CICS® Transaction Server for OS/390®

CICS Messages and Codes

Release 3

GC33-1694-02

CICS® Transaction Server for OS/390®

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GC33-1694-02

Note!

Before using this information and the product it supports, be sure to read the general information under “Notices” on page vii.

Third edition, March 1999

This edition applies to Release 3 of CICS Transaction Server for OS/390, program number 5655-147, and to all subsequent versions, releases, and modifications until otherwise indicated in new editions. Make sure you are using the correct edition for the level of product.

The technical changes for this edition are summarized under "Summary of Changes," and are indicated by a vertical bar to the left of a change.

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Preface

What this manual is about: This manual contains messages unique to CICS Transaction Server for OS/390 Release 3 and is intended for use as a quick reference. It is closely linked with the *CICS Problem Determination Guide* which should also be consulted if a message indicates that there is a CICS problem.

Who this manual is for: This manual is for anybody who needs to understand and respond to CICS messages, including system operators, system programmers, and certain terminal users.

What you need to know to understand this manual: You can refer to this manual for the meaning of a message without understanding the manual as a whole. Your understanding of CICS Transaction Server for OS/390 Release 3, however, will be enhanced by a knowledge of the types of message CICS produces, the different places it sends messages, and the different audiences it intends to reach.

How to use this manual: When you are using CICS as a system operator or terminal user, or scanning a queue containing CICS messages, have this manual available as a reference.

Online Messages and Codes: CICS Transaction Server for OS/390 Release 3 messages and abend code descriptions documented in this manual (with the exception of AXM messages, a small number of numeric abends and Transaction Dump Codes) are available online using the CICS transaction CMAC. For guidance on using CMAC, see the *CICS Supplied Transactions* manual.

Notes on terminology

The following terminology is used:

CICS used without any qualification refers to the CICS element of IBM CICS Transaction Server for OS/390

MVS refers to the operating system, which can either be an element of OS/390, or MVS/Enterprise System Architecture System Product (MVS/ESA SP).

DL/I refers to IMS/ESA DL/I (Data Language/I)

VTAM refers to ACF/VTAM

TCAM refers to the DCB interface of ACF/TCAM.

APPC is used throughout this manual to refer to LUTYPE6.2 (LU6.2).

“Module” is used in this manual to refer to a program unit that is discrete and identifiable with respect to the input or output from an assembler or compiler. For the purposes of this manual, a module is the minimal serviceable object.

Determining if a publication is current

IBM regularly updates its publications with new and changed information. When first published, both hardcopy and BookManager softcopy versions of a publication are usually in step. However, due to the time required to print and distribute hardcopy books, the BookManager version is more likely to have had last-minute changes made to it before publication.

Subsequent updates will probably be available in softcopy before they are available in hardcopy. This means that at any time from the availability of a release, softcopy versions should be regarded as the most up-to-date.

For CICS Transaction Server books, these softcopy updates appear regularly on the *Transaction Processing and Data Collection Kit* CD-ROM, SK2T-0730-xx. Each reissue of the collection kit is indicated by an updated order number suffix (the -xx part). For example, collection kit SK2T-0730-06 is more up-to-date than SK2T-0730-05. The collection kit is also clearly dated on the cover.

Updates to the softcopy are clearly marked by revision codes (usually a “#” character) to the left of the changes.

Book structure

This book contains:

CICS Transaction Server for OS/390

CICS Transaction Server for OS/390: Planning for Installation	GC33-1789
CICS Transaction Server for OS/390 Release Guide	GC34-5352
CICS Transaction Server for OS/390 Migration Guide	GC34-5353
CICS Transaction Server for OS/390 Installation Guide	GC33-1681
CICS Transaction Server for OS/390 Program Directory	GC33-1706
CICS Transaction Server for OS/390 Licensed Program Specification	GC33-1707

CICS books for CICS Transaction Server for OS/390

General	
CICS Master Index	SC33-1704
CICS User's Handbook	SX33-6104
CICS Glossary (softcopy only)	GC33-1705
Administration	
CICS System Definition Guide	SC33-1682
CICS Customization Guide	SC33-1683
CICS Resource Definition Guide	SC33-1684
CICS Operations and Utilities Guide	SC33-1685
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Programming	
CICS Application Programming Guide	SC33-1687
CICS Application Programming Reference	SC33-1688
CICS System Programming Reference	SC33-1689
CICS Front End Programming Interface User's Guide	SC33-1692
CICS C++ OO Class Libraries	SC34-5455
CICS Distributed Transaction Programming Guide	SC33-1691
CICS Business Transaction Services	SC34-5268
Diagnosis	
CICS Problem Determination Guide	GC33-1693
CICS Messages and Codes	GC33-1694
CICS Diagnosis Reference	LY33-6088
CICS Data Areas	LY33-6089
CICS Trace Entries	SC34-5446
CICS Supplementary Data Areas	LY33-6090
Communication	
CICS Intercommunication Guide	SC33-1695
CICS Family: Interproduct Communication	SC33-0824
CICS Family: Communicating from CICS on System/390	SC33-1697
CICS External Interfaces Guide	SC33-1944
CICS Internet Guide	SC34-5445
Special topics	
CICS Recovery and Restart Guide	SC33-1698
CICS Performance Guide	SC33-1699
CICS IMS Database Control Guide	SC33-1700

CICS RACF Security Guide	SC33-1701
CICS Shared Data Tables Guide	SC33-1702
CICS Transaction Affinities Utility Guide	SC33-1777
CICS DB2 Guide	SC33-1939

CICSPlex SM books for CICS Transaction Server for OS/390

General

CICSPlex SM Master Index	SC33-1812
CICSPlex SM Concepts and Planning	GC33-0786
CICSPlex SM User Interface Guide	SC33-0788
CICSPlex SM View Commands Reference Summary	SX33-6099

Administration and Management

CICSPlex SM Administration	SC34-5401
CICSPlex SM Operations Views Reference	SC33-0789
CICSPlex SM Monitor Views Reference	SC34-5402
CICSPlex SM Managing Workloads	SC33-1807
CICSPlex SM Managing Resource Usage	SC33-1808
CICSPlex SM Managing Business Applications	SC33-1809

Programming

CICSPlex SM Application Programming Guide	SC34-5457
CICSPlex SM Application Programming Reference	SC34-5458

Diagnosis

CICSPlex SM Resource Tables Reference	SC33-1220
CICSPlex SM Messages and Codes	GC33-0790
CICSPlex SM Problem Determination	GC33-0791

Other CICS books

CICS Application Programming Primer (VS COBOL II)	SC33-0674
CICS Application Migration Aid Guide	SC33-0768
CICS Family: API Structure	SC33-1007
CICS Family: Client/Server Programming	SC33-1435
CICS Family: General Information	GC33-0155
CICS 4.1 Sample Applications Guide	SC33-1173
CICS/ESA 3.3 XRF Guide	SC33-0661

Books in related libraries

IMS/VS

IMS/VS Messages and Codes Reference Manual, SC26-4174

IMS/VS Failure Analysis Structure Tables (FAST) for Dump Analysis, LY26-3992

IMS/VS Diagnosis Guide and Reference, LY27-9526

IMS/ESA

IMS/ESA Diagnosis Guide and Reference, LY27-9539

IMS/ESA Failure Analysis Structure Tables, LY27-9512

IMS/ESA Messages and Codes, SC26-8028

IMS/ESA Application Programming: Database Manager, SC26-8015

IBM DATABASE 2

IBM DATABASE2 Messages and Codes, SC26-4113

MVS

OS/390 MVS System Codes, GC28-1780

OS/390 MVS System Messages, Volume 1 (ABA-ASA), GC28-1784

OS/390 MVS System Messages, Volume 2 (ASB-EWX), GC28-1785

OS/390 MVS System Messages, Volume 3 (GDE-IEB), GC28-1786

OS/390 MVS System Messages, Volume 4 (IEC-IFD), GC28-1787

OS/390 MVS System Messages, Volume 5 (IGD-IZP), GC28-1788

OS/390 MVS System Management Facilities (SMF), GC28-1783

OS/390 MVS Initialization and Tuning Guide, SC28-1751

OS/390 MVS JCL Reference, GC28-1757

OS/390 MVS Sysplex Services Reference, GC28-1772

OS/390 MVS Programming: Authorized Assembler Services Guide, GC28-1763

OS/390 MVS Programming: Authorized Assembler Services Reference, GC28-1764

DFP

MVS/DFP Access Method Services for VSAM Catalogs, SC26-4570

MVS/DFP Macro Instructions for VSAM Data Sets, SC26-4569

OS/VS

OS/VS VSAM Programmer's Guide, GC26-3838

OS/VS2 System Programming Library: Supervisor, GC28-0628

OS/VS2 System Programming Library: Job Management, GC28-0627

Access methods

SNA Formats, GA27-3136

ACF/VTAM Messages and Codes, SC27-0470

VTAM Programming, SC31-6436

Programming languages

OS PL/I Optimizing Compiler: Programmer's Guide, SC33-0006

OS PL/I Version 2 Programming Guide SC26-4307

IBM C/370 User's Guide SC09-1264

IBM OS/VS COBOL Compiler and Library Programmer's Guide, SC28-6483

VS COBOL II Application Programming: Debugging Guide, SC26-4049

VS COBOL II Installation and Customization, SC26-4048

Language Environment/370

Programming Guide, SC26-4818

Diagnosis Guide, SC26-4815

Summary of changes

This book is based on the CICS Transaction Server for OS/390 Release 2 edition, GC33-1694-01. It has been updated to incorporate changes made for CICS Transaction Server for OS/390 Release 3. Changes since the last edition are indicated by vertical bars to the left of the changes.

Chapter 1. DFH messages

While CICS is running, it can produce several types of messages.

- Console messages advise the system operator of execution progress, or request a decision.
- Certain CICS-supplied support programs communicate directly with terminal operators.
- CICS management modules and support programs log significant events and error occurrences to transient data destinations; for example, to the control system master terminal (CSMT), or to the CICS database control log (CDBC) for the CICS-DBCTL interface.
- The CICS message switching program (DFHMSP) generates message switching responses (described in the *CICS Supplied Transactions* manual).
- CICS directs informational macro notes (mnotes) to programmers. These are not documented.
- Messages produced by CICS utility programs such as DFH£MOLS and DFHMNDUP. These messages are self-explanatory and are not documented.

With the exception of the AXM messages, a small number of numeric abends and the Transaction Dump Codes, the messages described in this book can also be viewed online using the CICS transaction CMAC. For guidance on using CMAC, see the *CICS Supplied Transactions* manual.

CICS DFH message Identifiers

Message identifiers are of two types.

DFHnnnn identifiers

These consist of the prefix “DFH” followed by a four digit message number. “DFH” is the IBM assigned identifier for CICS modules. The first two digits are the CICS module reference code as follows:

01 DFHSSIN

42 DFHZCNR

51 DFHCSDUP

52 DFHCSDUP

55 DFHCSDUP

56 DFHCSDUP

7x Command-level translators

The last two digits are assigned by CICS to identify the message or group of messages within an assembled program.

DFHccnnnn identifiers

These consist of the prefix “DFH” followed by a two-letter component identifier (*cc*), and a four-digit message number (*nnnn*). The component identifier shows the domain or the component which issues the message. Here is a list of component identifiers with associated domains and components:

AC The abnormal condition program component

AI The auto-install terminal model manager (AITM)

AM The RDO allocation manager

AP The application domain

AU The transaction affinities utility

| **BA** The CICS business transaction services (BTS) domain

BR Bridging to 3270 transactions

CA RDO command utility routine

CC The CICS catalog domain (local and global)

CE The sign on program component

| **CF** CICS coupling facility data tables server

CP The CPI Communications component

CR The ISC remote scheduler component

| **CZ** The CICS class libraries domain

DB The CICS database control component

DD The directory manager

| **DH** Document handler component

DM The domain manager domain

DS The dispatcher domain

DU The dump domain

DX The CICS database control component

| **EM** The Event Manager domain

ER The user backout program

EX The external CICS interface

FC The file control component
FE The FE terminal test program component
IC The interval control program
IN The indoubt testing tool
IR The interregion component
JC The online journal control component
KC The transaction/profile manager
KE The kernel domain
LD The loader domain
LG The logger domain
LM The lock manager domain
MC The BMS message control program component
ME The message domain
MN The monitor domain
MU The message editing utility program
MV The MVS RESMGR exit stub
| **NC** The Named counter sequence number server
NQ The enqueue manager domain
PA The parameter manager domain
PC The program control program component
PD The print dump exit routine DFHPDX
PG The program manager domain
PR The partner resource manager
PS The system spooler interface control module component
RD The RDO allocation manager
RM The recovery manager
RP CICS ONC RPC
RS The communications resynchronization program
RT The ISC transaction routing component
RU The recovery utility program
| **RX** The RRS-coordinated EXCI domain
| **SH** The Sheduler domain
SI The system initialization component
SK The sub task control program component
SM The storage manager domain
SN The signon component
| **SO** The CICS Sockets domain
SR The system recovery component
ST The statistics domain
SZ The front end programming interface (FEPI)
TC The terminal control program component
TD The transient data component
TF The terminal facility manager
TI The timer domain
TM The system termination program component
TO The terminal object resolution program component
TP The BMS terminal page retrieval program component
TR The trace domain
TS The temporary storage domain
UP The measured usage license charging support macro
US The user domain
WB The CICS Web Interface
XA The XRF alternate component
XC The XRF CICS availability manager
XG The XRF general component
XM The transaction manager
XO The XRF CICS availability manager
XQ The shared temporary storage queue pool server
XS The CICS security component
ZC The terminal control working set component
ZE The TCP error message writer component
ZN The syncpoint component

Thus the CICS message DFHAP0002 is issued from the application domain, identified by the two-character identifier AP.

Action codes

Certain messages (for example, DFHDB8208D) include an action code after the message identifier. Action codes give guidance to the operator of the type of action needed when the message appears on the system console. The following action codes are used:

A Immediate action (for example, mount a tape)

D Immediate decision (reply to a request, for example, enter “GO” or “CANCEL”)

E Eventual – action is required, but does not have to be taken immediately

I No action required (If issued via the message domain, these messages can be suppressed by specifying MSGLVL=0 as a system initialization override.)

Severity codes

Certain messages, especially those associated with messages to terminal operators and messages which come from CICS utilities, have a severity code. (DFHST0210 I, is an example.) A severity code indicates to the operator whether a message is associated with an error, and if so, how serious it is. The following severity codes are used:

E Error. Something has gone wrong and action is required of the user before CICS processing can continue.

I Information only. No action is required.

W Alert. Something may have gone wrong, a program loop for example, but CICS processing continues.

S Severe error. Something serious has gone wrong and immediate action is required. CICS processing is suspended until action has been taken.

Format of information

Information about each message is presented in the following format:

- **Message identifier** – in the form DFH*nnnn* or DFH*ccnnnn*
- **Message text** – the words and inserts which make up the message as displayed in CICS
- **Explanation** – the events leading to or following the production of the message
- **System action** – the action that has been or will be taken by CICS
- **User response** – the action recommended for the user (the console or terminal operator or system programmer)
- **Destination** – the device or log to which the message is sent. This is one of the following:
  - Console – refers to a terminal type attached to CICS. (Route codes are 2 and 11 unless otherwise stated.)
  - Terminal end user
  - TERMCDBC – terminals running the CDBC transaction.
  - SYSPRINT (System printer)
  - One of the following transient data queues:

    CADL VTAM resource definition log
    CAFF Transaction affinities utility messages
    CAIL Autoinstall terminal model manager (AITM) log
    CCPI Common programming interface for communications (CPI Communications) messages
    CCZM CICS classes
    CDBC CICS-DBCTL interface log
    CDB2 CICS DB2 messages
    CDUL Transaction dump messages
    CMIG Migration log for messages reporting the use of functions that are no longer supported
    CPLD PL/I dumps
    CPLI PL/I sysprint output
    CRDI Log for installed resource definitions
    CRPO ONC RPC messages
    CSBA BA domain message queue
    CSCC CICS client error log
    CSCS Sign on/off security log
    CSDH Document handler
    CSDL CEDA command log
    CSFL File allocation and related messages
    CSKL Log for transaction and profile resource definitions
    CSML Sign on/off messages
    CSMT Write term errors and abends from DFHTACP and DFHACP
    CSOO Sockets domain message queue
    CSPL Log for program resource definitions
    CSQL TDQUEUE messages
    CSRL Log for partner resource definitions
    CSSH Scheduler services
    CSSL Statistics log

CSTL Term I/O error messages from DFHTACP
CSNE Terminal error messages issued from DFHZNAC.
CSZL FEPI message queue
CWBO CICS Web Interface messages

Note: Destination CXRF is used by the alternate CICS system in an XRF environment until the other destinations are made available during the takeover.

- **Module(s)** – the name(s) of the module or modules that determined that the message should be sent. (This is not necessarily the module that issued the macro to write the message.)

XMEOUT parameters – Messages that can drive the XMEOUT global user exit include a list of XMEOUT parameters. The XMEOUT exit allows you to suppress or reroute messages that use the message domain.**:** A number of console messages should not be rerouted to a transient data queue. These include all DFHTD*nnnn* messages and certain DFHMEXM*nnnn* and DFHUS*nnnn* messages. A note to this effect is included in the descriptions of these messages.

For programming information about the XMEOUT user exit see the *CICS Customization Guide*

Route codes – Console messages can be sent to a number of console types. The type of console to which a particular message is sent is determined by the MVS route code. Each route code maps onto one console type. The meanings of the route codes normally used by CICS are as follows:

Code	Meaning
1	Master console action – indicates a change in system status demanding operator action
2	Master console information – indicates a change in system status (system default)
3	Tape pool status or other tape related information
4	Direct access pool status or other related information
5	Tape library information
6	Disk library information
7	Unit record pool information
8	Teleprocessing control status
9	System security checking
	Note: This route code suppresses the operator's reply on the screen and on SYSLOG
10	System error or maintenance information
11	Programmer information for the MVS log

Unless otherwise stated, console messages have the route codes '2' and '11'.

Message editing – You can use the message editing utility to change the text or language of those CICS messages that are issued via the message domain. Messages that cannot be changed using the utility include a note to this effect before the message destination. See the *CICS Operations and Utilities Guide* for more information about the message editing utility.

Console message reformatting – The "console message handling facility" is an optional feature of the CICS subsystem that can affect the appearance of CICS messages displayed on an MVS console. It is effective when you specify FORMATMSG=YES as an initialization parameter for the CICS subsystem, as described in the *CICS Transaction Server for OS/390 Installation Guide*. When this facility is used, it affects messages displayed on MVS system consoles in the following ways:

- The subsystem tries to ensure that all console messages issued by all CICS regions have a standard format. The standard format is:

```
Column number:    1           13       22
                  |           |        |
                  +DFHnnnn    applid   message-text
```

  The "plus" sign (+) is added by MVS to indicate that a problem-state program issued the message. It is not present when CICS issues the message while it is in supervisor state.

  The applid inserted into the message is the specific application identifier. This is the identifier that is specified in the system initialization parameter APPLID. It is the only operand when the XRF=NO system initialization parameter is specified, or the second operand when XRF=YES is specified.

- The subsystem adds routecodes specified in the ROUTECODES subsystem initialization parameter, so the messages might be sent to more console destinations than those implied in the body of this book.
- The subsystem reformats messages for all CICS releases, even those issued by CICS/OS/VS Version 1.

- The subsystem does not reformat messages that are issued by a CICS region that has not yet determined its applid. This includes messages that are issued while processing the system initialization table and its overrides.
- The subsystem routine that reformats the messages does not receive control until **after** the message has been recorded in the CICS job's job log. Therefore, the reformatting is not usually apparent in the job log.
- Messages issued by the message domain already contain the applid. The subsystem does not insert the applid into such messages, but it might insert blank characters to cause alignment into standard locations.
- If the original CICS message is a long one, adding the applid in the standard position might cause the message to exceed the maximum length for an MVS console message. In this case, the original message is suppressed (does not appear on the console), and a new message is issued using the MVS multiple-line console message service to split the message over several lines. Both the original message and perhaps several instances of the reformatted multiple-line message appear in the job log, but only one copy of the reformatted message is displayed on the console.
- For some messages where the applid normally follows a time and date stamp, inserting the applid in the standard position would have resulted in the applid being duplicated within the message. For these messages, the subsystem eliminates the time and date stamp, since they are available from other sources, and only one occurrence of the applid is shown.

Terminal identifiers – Some messages include a terminal identifier (*termid*) in the message text. This is normally shown as a 4-character identifier. However, when CICS cannot completely identify a terminal – for example, when intersystem communication is taking place, the terminal identifier is prefixed by the application identification (*applid*) of the system owning the terminal.

Abend code inserts – The transaction abend code insert (*abcode*) in some CICS messages is displayed as *'????'* when neither the EXEC CICS ABEND request nor the DFHPC TYPE=ABEND macro request specifies an abend code.

Dumps – A dump is generally available for printing when a CICS system abend or abnormal termination occurs, provided the relevant data set has been specified. The dump can be used for problem determination.

Terminology – The terms "abnormally terminates" and "abnormal termination" are frequently used in a general sense to relate, as applicable, to one of the following:

- The termination of CICS as a result of an MVS ABEND macro. (The term "abend" may also be used.)
- The termination of a transaction (task) as a result of a CICS transaction ABEND macro.

MVS user abend codes

DFH messages which accompany a CICS system, utility, or subtask abend have an associated MVS user abend code. Where possible, the value of this code is the numeric part of the corresponding DFH message. Thus DFH0305 has an 0305 user abend code. If an MVS abend code is issued but not the associated CICS message, the problem probably does not originate with CICS. See the description of the MVS abend code in the MVS *System Codes* manual for further information.

The highest possible value of an MVS user abend code is 4095, therefore any DFH message with a number higher than 4095 has an MVS user abend code that does not follow the above convention. The following are lists of the abend codes for messages with numbers above 4095, in order of abend code, and in order of message number.

Ordered by abend code

0108	DFH5263	0152	DFH5754	0195	DFHXG6440	0207	DFHXA6523
0121	DFH5100	0161	DFHAK5802	0196	DFHXG6441	0209	DFHXG6427
0123	DFH5175	0162	DFHAK5803	0197	DFHXG6442	0210	DFHXA6528
0125	DFH5180	0170	DFHPS5394	0198	DFHXG6443	0211	DFH6529
0126	DFH5184	0184	DFHJC4534	0200	DFHXA6540	0213	DFHXG6524
0127	DFH5148	0185	DFHJC4530	0201	DFHXA6541	0214	DFHXA6580
0147	DFH5721	0190	DFHXG6450	0202	DFHXG6444	0220	DFHXO6700
0148	DFH5722	0191	DFHXG6451	0203	DFHXG6430	0221	DFHXO6704
0149	DFH5723	0192	DFHXG6452	0204	DFHXA6530	0222	DFHXO6702
0150	DFHER5724	0193	DFHXG6453	0205	DFHXG6439	0223	DFHXO6703
0151	DFHER5725	0194	DFHXG6454	0206	DFHXG6415	0224	DFHXO6720

Ordered by message identifier

DFHAK5802	0161	DFHXA6541	0201	DFHXG6450	0190	DFH5100	0121
DFHAK5803	0162	DFHXA6580	0214	DFHXG6451	0191	DFH5148	0127
DFHER5724	0150	DFHXG6415	0206	DFHXG6452	0192	DFH5175	0123
DFHER5725	0151	DFHXG6427	0209	DFHXG6453	0193	DFH5180	0125
DFHJC4530	0185	DFHXG6430	0203	DFHXG6454	0194	DFH5184	0126
DFHJC4534	0184	DFHXG6439	0205	DFHXG6524	0213	DFH5263	0108
DFHPS5394	0170	DFHXG6440	0195	DFHXO6700	0220	DFH5721	0147
DFHXA6523	0207	DFHXG6441	0196	DFHXO6702	0222	DFH5722	0148
DFHXA6528	0210	DFHXG6442	0197	DFHXO6703	0223	DFH5723	0149
DFHXA6530	0204	DFHXG6443	0198	DFHXO6704	0221	DFH5754	0152
DFHXA6540	0200	DFHXG6444	0202	DFHXO6720	0224	DFH6529	0211

Notes:

1. All messages which appear in the JES job log are prefixed by a time stamp and job number. Because of this, some messages will have their message text truncated. If the full message text is required, consult the MVS log as all messages in the JES log are duplicated in the MVS system log.
2. User abend 0225 is internal to CICS. It is issued by DFHDTES when, during backout, an entry in a hash table has been marked empty where it should not be possible. This causes the CICS region to be abnormally terminated. If this abend occurs, you will need help to resolve the problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

DFH01xx CICS subsystem messages

DFH0100 *CICS* **SUBSYSTEM IS NOW INITIALIZED**

Explanation: The CICS subsystem identified in an entry in an IEFSSNxx member of SYS1.PARMLIB has been successfully initialized.

System Action: None.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHSSIN

DFH0101 *CICS* **SUBSYSTEM WAS NOT INITIALIZED**

Explanation: The CICS subsystem identified in an entry in an IEFSSNxx member of SYS1.PARMLIB could not be successfully initialized.

System Action: The system continues without the services of the subsystem.

User Response: Use the preceding DFH01xx message to investigate the reason why the subsystem could not be initialized. After correction, re-IPL MVS to initialize the subsystem.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHSSIN

DFH0102 *CICS* **SUBSYSTEM COULD NOT LOAD MODULE** *module*

Explanation: When trying to initialize the CICS subsystem, module *module* could not be loaded into common storage. The module must either be in the MVS link pack or be capable of being loaded from a library in the MVS linklist concatenation by means of a LOAD GLOBAL=(YES,P) macro.

System Action: The system issues message DFH0101 and does not initialize the subsystem.

User Response: Investigate the reason why the module could not be loaded. After correction, re-IPL MVS to initialize the subsystem.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHSSIN

DFH0103 *CICS* **PARAMETER MEMBER NAME** *member* **IS INVALID**

Explanation: The third positional parameter in the subsystem definition for the CICS subsystem is not a valid member name because it contains more than eight characters. In the entry in an IEFSSNxx member of SYS1.PARMLIB that defines the CICS subsystem, a parameter is coded that is not a valid name for a member containing CICS initialization parameters.

System Action: The parameter coded is truncated to eight characters and the result is used as the member name for reading CICS parameters from SYS1.PARMLIB. Whether or not the resultant parameters are valid, the system later issues message DFH0101 and does not initialize the subsystem.

User Response: Correct the definition of the CICS subsystem in the IEFSSNxx member of SYS1.PARMLIB. After correction, re-IPL MVS to initialize the subsystem.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHSSIN

DFH0104 *CICS* **PARAMETER ERROR IN** *member* **-** *parameter*

Explanation: When examining CICS subsystem initialization parameters from the named member of SYS1.PARMLIB, a syntax error was detected. The record containing the error is shown in the message.

System Action: The system issues message DFH0101 and does not initialize the subsystem.

User Response: Correct the syntax error in the subsystem parameter. See the *CICS Intercommunication Guide* for details of the syntax of subsystem initialization parameters. After correction, re-IPL MVS to reinitialize the subsystem.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHSSIN

DFH0105 *CICS* **SUBSYSTEM INITIALIZATION IS NOT SUPPORTED FOR THIS MVS RELEASE**

Explanation: Initialization of the CICS subsystem is not supported on MVS releases earlier than MVS SP 2.2.0.

System Action: The system issues message DFH0101 and does not initialize the subsystem.

User Response: Defer implementation of the CICS subsystem services until after the prerequisite release of MVS is installed.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHSSIN

DFH42xx (DFHZCNR) messages

DFH4200 *jobname tranid*

Explanation: *jobname* is the jobname of CICS in the MVS system. CICS transaction *tranid* has issued a TC READ request to the operator console.

System Action: The transaction is suspended pending a reply.

User Response: Enter a reply at the console.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHZCNR

DFH51xx (DFHCSDUP) messages

DFH5100 S SEVERE ERROR IN MODULE *modname*. ABEND CODE: *abcode*

Explanation: An internal error has occurred in module *modname*, when invoked by a CSD utility command.

System Action: Processing terminates abnormally with an operating system dump and abend code *abcode*. The CSD utility attempts to:

1. Close any files previously opened internally.
2. Unload any extract exit routines that were dynamically loaded.
3. Invoke the termination exit routine (if supplied).
4. Return control to the invoker of the utility.

User Response: See the description of abend code *abcode* for guidance.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5101 I *command* COMMAND EXECUTED SUCCESSFULLY.

Explanation: The execution of a CSD utility command *command* completed successfully.

System Action: Normal processing continues.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5102 I WARNING MESSAGES ISSUED WHILE PROCESSING *command* COMMAND.

Explanation: The CSD utility issued messages during syntax-checking and execution of the *command* command.

System Action: Normal utility processing continues to the end of the job.

User Response: Review the warning messages to see how they have affected utility processing. Then decide whether you need to submit a further CSD utility job.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5103 I ERROR(S) OCCURRED WHILE PROCESSING *command* COMMAND.

Explanation: The CSD utility either found a syntax error in the utility command *command*, or the command *command* failed to execute correctly.

System Action: Utility command execution is terminated.

If commands are being read from a SYSIN data stream by the utility, then subsequent commands (except LIST) are checked for syntax only. (If the primary CSD file cannot be opened, LIST is not processed either.)

If commands are being read from a get-command exit, then DFHCSDUP attempts to process subsequent commands.

User Response: If the command failed because of syntax errors, correct the command.

If the command failed to execute correctly, this may have been caused by a previous error. In such a situation, an associated error message, such as DFH5275, should have been issued. Refer to these error messages for further guidance.

Correct all errors before trying to open the CSD file again.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5104 W SUBSEQUENT COMMANDS (EXCEPT LIST) ARE NOT EXECUTED BECAUSE OF ERROR(S) ABOVE.

Explanation: After the CSD utility program encounters an error, it ceases to execute any further commands read from a data stream (as opposed to supplied by a Put-Message exit routine). However, it continues to check the syntax of subsequent commands. The exception is the LIST command, which will still be executed if the primary CSD file can be opened.

System Action: Subsequent CSD utility commands (except LIST) are ignored.

User Response: Check for a syntax error in the commands used and correct it.

There should be associated error messages which identify the problem that caused DFHCSDUP to halt active processing. These messages should appear in DFHCSDUP output before. message DFH5104 is issued.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5105 W *command* COMMAND NOT EXECUTED BECAUSE OF PREVIOUS ERROR(S).

Explanation: If a syntax error (or an execution error) occurred in a command read from a data stream and processed earlier, no further commands (except for LIST commands) are executed. If the primary CSD file could not be opened, the LIST command is not executed either.

System Action: The CSD utility command is not executed.

User Response: Check for syntax errors or execution errors in commands processed earlier.

Correct the invalid commands.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5107 I COMMANDS EXECUTED SUCCESSFULLY: *nn* **COMMANDS GIVING WARNINGS:** *nn* **COMMANDS IN ERROR:** *nn*

Explanation: The CSD utility has completed input command processing.

Commands giving warnings may or may not have been executed successfully.

System Action: Normal processing continues to the end of the job.

User Response: If any CSD utility commands in error were executed, decide if the results are what you want.

If they are NOT what you want, correct them and resubmit them in another job.

If any commands were not executed, you must resubmit them. (See message DFH5108.)

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5108 I COMMANDS NOT EXECUTED AFTER ERROR(S): *nn*

Explanation: The CSD utility has completed input command processing. The number of commands not executed because of errors is indicated by *nn*.

System Action: Normal processing continues to the end of the job.

User Response: Correct the commands in error and resubmit them in another job.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5109 I END OF DFHCSDUP UTILITY JOB. HIGHEST RETURN CODE WAS: *retcode*

Explanation: The CSD utility job is complete.

System Action: Control returns to the invoker, that is, either the operating system or to an invoking program.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5110 W ERROR FOUND IN 'PARM=' PARAMETER DATA ON EXEC JOB STEP. THIS DATA IS IGNORED.

Explanation: The value of the PARM parameter on the EXEC job in the JCL to run the DFHCSDUP utility is incorrect.

System Action: The PARM parameter is ignored. The CSD is opened for read and write operations.

User Response: Correct the erroneous PARM value. The incorrect value can be found in the job step.

The *CICS Operations and Utilities Guide* describes how to code the PARM parameter.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5114 S THE *{PRIMARY | SECONDARY}* **CSD HAS NOT BEEN INITIALIZED. COMMAND NOT EXECUTED.**

Explanation: The primary CSD file must be initialized before any CSD utility command (other than the INITIALIZE or SERVICE commands) can be processed. If a secondary CSD file is used, it must always be initialized before this command can be processed. CICS issues this message if you try to break either of these rules, or if an attempt to initialize a CSD file fails to complete successfully

System Action: The CSD utility ignores the command.

User Response: Initialize the CSD file. You may first have to determine why a previous initialization attempt failed.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5115 S THE PRIMARY CSD IS ALREADY INITIALIZED. COMMAND NOT EXECUTED.

Explanation: An INITIALIZE or a SERVICE command was encountered but the primary CSD file has already been initialized.

System Action: The INITIALIZE or SERVICE command is ignored.

User Response: Confirm that the correct CSD file was specified.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5116 S THE PRIMARY CSD HAS BEEN DEFINED WITH AN INVALID KEY LENGTH. PROCESSING IS TERMINATED.

Explanation: The CSD utility cannot initialize the CSD file because it has been defined to VSAM with an invalid key length.

System Action: The CSD file remains uninitialized, and no utility commands are processed.

User Response: Delete the CSD file, using VSAM Access Method Services (AMS). In the JCL defining the CSD cluster, change the AMS control statements to specify KEYS(22 0). Use this JCL to redefine the CSD file, and use the CSD utility to reinitialize it.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5117 S THE PRIMARY CSD HAS BEEN DEFINED WITH AN INVALID RECORD SIZE. PROCESSING IS TERMINATED.

Explanation: The CSD utility cannot initialize the CSD file, because it has been defined to VSAM with an invalid record length.

System Action: The CSD file remains uninitialized, and no utility commands are processed.

User Response: Delete the CSD file, using VSAM Access Method Services (AMS). In the JCL defining the CSD cluster, change the AMS control statements to specify RECORDSIZE(100 500). Use this JCL to redefine the CSD file, and use the CSD utility to reinitialize it.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5120 I *{PRIMARY | SECONDARY}* **CSD OPENED; DDNAME:** *ddname*

Explanation: The VSAM data set specified in the JCL has been successfully opened, and is identified as the primary or secondary CSD file. (All utility commands processed will use the same primary CSD file. Different secondary CSD files may be accessed by different utility commands.)

System Action: Normal processing continues.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5121 S I/O ERROR WHILE OPENING *{PRIMARY | SECONDARY}* **CSD; DDNAME:** *ddname*

Explanation: An I/O error occurred when reading or writing control records of the VSAM data set identified in the JCL as the primary or secondary CSD file.

System Action: The utility command is not executed.

User Response: Retry the utility command that failed. If the problem persists, restore the CSD file from your own backup procedures.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5122 S VSAM ERROR WHILE OPENING *{PRIMARY | SECONDARY}* **CSD; DDNAME:** *ddname*

Explanation: A VSAM error occurred when opening the data set identified in the JCL as a primary or secondary CSD file.

System Action: The utility command is not executed.

User Response: Refer to the VSAM diagnostics output in message DFH5179 for further information and guidance.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5123 I *{PRIMARY | SECONDARY}* **CSD CLOSED; DDNAME:** *ddname*

Explanation: The VSAM data set used as the primary or secondary CSD file has been successfully closed, with control records updated if necessary. (The primary CSD file is closed after all the utility commands have been processed; the secondary CSD file is closed after the command for which it was opened.)

System Action: Normal processing continues.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5124 S PROCESSING TERMINATED. CORRUPTED CSD CONTROL RECORD DETECTED WHILE CLOSING CSD; DDNAME: *ddname*

Explanation: A storage corruption is preventing the CSD control records from being updated when the CSD file is being closed.

System Action: No further CSD utility commands are processed.

User Response: Obtain a dump from DFHCSDUP together with a listing of the DFHCSDUP run and its JCL. Also try to obtain a print out of the CSD, using either IDCAMS or the DFHCSDUP LIST ALL option. The LIST will indicate where the errors have occurred because they do not print and are therefore easily identifiable.

Using the information available, determine the cause of the errors and correct them.

Resubmit the CSD utility commands that failed.

If you cannot resolve the problem, or if the problem persists, you will need further help from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5125 S ERROR OCCURRED WHILE CLOSING THE CSD. FILE IS FULL; DDNAME: *ddname*

Explanation: After processing the CSD utility commands, the CSD control records are updated before closing the data set.

Updating failed because data set *ddname* was full.

System Action: Utility command processing is terminated.

User Response: Initialize a new primary CSD file with a larger data set size. Then use the IDCAMS IMPORT and EXPORT commands to restore the CSD file onto a larger data set.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5126 S I/O ERROR WHILE CLOSING THE *{PRIMARY | SECONDARY}* **CSD; DDNAME:** *ddname*

Explanation: An I/O error occurred when reading or writing the control records of the CSD file, before closing VSAM data set *ddname*.

System Action: No further utility commands are executed.

User Response: Resubmit the utility commands that failed. If the problem persists, restore the CSD file from your own backup procedures.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5127 S VSAM ERROR WHILE CLOSING *{PRIMARY | SECONDARY}* **CSD; DDNAME:** *ddname*

Explanation: A VSAM error occurred when closing the data set *ddname* in the JCL as the primary or secondary CSD file.

System Action: No further CSD utility commands are executed.

User Response: Refer to the VSAM diagnostics output in message DFH5179 for further information and guidance.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5128 S PROCESSING TERMINATED. *{PRIMARY | SECONDARY}* **CSD ACCESSED BY ANOTHER USER AND COULD NOT BE SHARED. DDNAME:** *ddname*

Explanation: An attempt to open the CSD has returned an error from VSAM because the data set is not available for the type of processing requested.

This usually means that:

- An attempt has been made to open the CSD in non-RLS access mode, but the CSD is already being accessed from elsewhere in RLS access mode.
- An attempt has been made to open the CSD in RLS access mode, but the CSD is already being accessed from elsewhere in non-RLS access mode.
- An attempt has been made to open the CSD in non-RLS access mode and the CSD is already being accessed in non-RLS access mode, but the CSD cluster has been defined with SHAREOPTIONS that restrict its concurrent use.

System Action: The command is not executed.

User Response: You can change the access mode in which you are trying to open the CSD.

Note: You must specify PARM=CSD(READONLY) if you wish to open a recoverable CSD in RLS access mode from the DFHCSDUP utility program.

Alternatively, wait until the CSD file is no longer being accessed in the conflicting access mode, or until it becomes available again in accordance with the SHAREOPTIONS rules defined for the cluster.

If the conflict is due to SHAREOPTIONS and LIST is the only command you want to execute, you can specify PARM=CSD(READONLY).

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5130 E UNABLE TO LOCATE MODULE DFHCICS. PRIMARY CSD NOT INITIALIZED.

Explanation: The DFHCICS module is missing from the library.

System Action: Processing of the INITIALIZE command is terminated.

User Response: Ensure that the DFHCICS module is present in the library.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5131 I LIST *listid* **CREATED.**

Explanation: The INITIALIZE command has created the header for an IBM-protected list.

System Action: Normal processing continues.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5132 S UNABLE TO CREATE LIST *listid*

Explanation: The INITIALIZE command has failed when calling the CSD manager routing program, DFHDMP, to create a new list *listid* on the CSD file for the IBM-protected groups. The CSD file may be full or corrupt.

System Action: Processing of the INITIALIZE command is terminated.

User Response: Check that the data set size for the CSD file is large enough. If it is not, allocate more space.

If there is ample space and you suspect that the CSD file is corrupt, you need further assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5133 S CSD CONTAINS ONE OR MORE LISTS. NO LISTS MAY BE PRESENT ON THE CSD WHEN THE INITIALIZE COMMAND IS ISSUED.

Explanation: The CEDA transaction was used to create a list while the INITIALIZE command was executing.

System Action: Processing of the INITIALIZE command is terminated.

User Response: Redefine the data set and re-run the INITIALIZE command. The CEDA transaction must not be used until the initialization of the CSD file has been successfully completed.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5134 S ERROR OCCURRED WHILE ADDING GROUP *grpname* **TO LIST** *listid*

Explanation: A call to the CSD manager routing program, DFHDMP, to write the definition of group *grpname* to the CSD file as a member of an IBM-protected list *listid* created an error. The CSD file may be full or corrupt.

System Action: Processing of the INITIALIZE command is terminated.

User Response: Increase the data set size for the CSD file and repeat the INITIALIZE request. If this fails, you will need further assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5135 I GROUP *grpname* **ADDED TO LIST** *listid*

Explanation: A group definition *grpname* has been satisfactorily created on the CSD file in list *listid*.

System Action: Processing continues.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5136 W GROUP *grpname* **IS ALREADY A MEMBER OF LIST** *listid*

Explanation: Group *grpname* already exists in list *listid*. CICS does not create a duplicate entry.

System Action: Normal utility processing continues.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5140 I TOTAL *xxxxxxxx* **DEFINITIONS CREATED:** *nn*

Explanation: CICS issued this message after migrating a CICS table. *nn* definitions of type *xxxxxxxx* have been created on the CSD file.

System Action: Normal utility processing continues.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5141 S UNABLE TO CREATE NEW GROUP *grpname*

Explanation: The MIGRATE command failed when calling the CSD manager routing program, DFHDMP, to create a new group *grpname* on the CSD file for the data in the table being migrated. The CSD file may be full, corrupt, or not initialized. The group name may be invalid.

System Action: Processing of the MIGRATE command is terminated.

User Response: Check the group name in the TOGROUP parameter. Reinitialize the CSD file with the INITIALIZE command, providing a larger data set size if necessary.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5142 E COMMAND NOT EXECUTED. *lgname* **WAS NOT UPDATED BECAUSE OF A PREVIOUS UPDATE FAILURE.**

Explanation: The list or group *lgname* cannot be used because an operation to update it, using the DFHCSDUP offline utility, failed to execute to completion.

This has probably happened in a previous execution of DFHCSDUP.

System Action: The command is not executed, and the execution of subsequent DFHCSDUP commands in the job stream is suppressed.

User Response: Use the DFHCSDUP VERIFY command to remove the in-flight flag detected when this message is produced.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5143 I GROUP *grpname* **CREATED.**

Explanation: A new CSD group, *grpname*, has been created for the data in the table being migrated.

System Action: Migration continues.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5145 E COMMAND NOT EXECUTED. *lgname* **HAS BEEN LOCKED BY APPLID:** *applid***, OPID:***opid* **TO PREVENT UPDATING.**

Explanation: The list or group *lgname* cannot be used because a user of the CEDA or CEDB transaction has enforced a LOCK command to prevent updating by other users.

System Action: The command is not executed.

If commands are being read from a SYSIN data stream, then subsequent commands (except the LISTcommand) are checked for syntax only. (If the primary CSD file cannot be opened, the LIST command is not processed either.)

If commands are being read from a get-command exit, then the DFHCSDUP utility attempts to process subsequent commands.

User Response: Negotiate with the user with the specified OPID and APPLID, or create a new group or list by taking a copy of the definitions in the locked one.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5146 E COMMAND NOT EXECUTED. *lgname* **IS CURRENTLY BEING UPDATED BY APPLID:***applid***, OPID:***opid*

Explanation: The list or group *lgname* cannot be used because:

- A user of the CEDA or CEDB transaction is currently running a command to update it
- A previous operation to update it using CEDA or CEDB failed to execute to completion.

System Action: The command is not executed.

If commands are being read from a SYSIN data stream, then subsequent commands (except the LIST command) are checked for syntax only. (If the primary CSD file cannot be opened, the LIST command is not processed either.)

If commands are being read from a get-command exit, then the DFHCSDUP utility attempts to process subsequent commands.

User Response: Resubmit the utility job to retry the command that failed. Perform the subsequent commands that were suppressed.

If this fails to resolve the problem, run the DFHCSDUP VERIFY command to remove the in-flight flag detected when this message is produced.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5147 E COMMAND NOT EXECUTED. *lgname* **ALREADY EXISTS AS A** *{GROUP | LIST}*

Explanation: The name chosen for the target group (or list) duplicates that of an existing group or list on the CSD file.

System Action: Processing of the utility command is terminated.

User Response: Choose a different name for the target group.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5148 E UNABLE TO GET STORAGE FOR *{FCT | RDT | LD}* **TABLE NAMED** *table*

Explanation: There is insufficient storage to satisfy a GETMAIN request for table *table*.

System Action: The system action depends on the table specified as follows:

LD (language definition table)
The CSD utility cannot process any commands, and terminates with a dump. The MVS user abend code is 0327.

FCT and RDT
The CSD utility cannot migrate the table, and terminates processing of the utility command.

User Response: Allocate additional storage. If your TCT assembly and link-editing is successful, the RDT should be in the library. The LD is in the load library of the supplied pregenerated CICS system.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5149 E COMMAND NOT EXECUTED. *xxxxxxxx* **IS IBM-PROTECTED.**

Explanation: A user attempted to add a definition to an IBM-supplied group or list (groups or lists beginning with DFH). This is not allowed.

System Action: The CSD utility does not create a definition.

User Response: Change the input command or TCT source data to name a target group or list whose name does not begin with DFH.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5150 W *xxxxxxx* **OPTION CONFLICTS WITH** *yyyyyyy* **OPTION AND IS IGNORED FOR** *restype resname*

Explanation: The options, *xxxxxxx* and *yyyyyyy*, specified for the resource type *restype* with name *resname* are mutually exclusive.

System Action: The utility ignores option *xxxxxxx*.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5155 W *{TDQUEUE} xxxxxxxx* **HAS SAME NAME AS AN IBM SUPPLIED DEFINITION IN GROUP** *grpname***.**

Explanation: The name of the migrated table entry, *xxxxxxxx*, matches the name of an IBM-supplied resource in IBM-protected group *grpname*, created by the INITIALIZE command.

System Action: CICS migrates this entry normally.

User Response: If necessary, rename the resource, using the CEDA transaction.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5156 W *{TDQUEUE}* **DID NOT MIGRATE. ITS PROPERTIES MATCH AN IBM-SUPPLIED DEFINITION IN GROUP** *grpname***.**

Explanation: The properties of the resource defined in the user's table entry are the same as those of the IBM-supplied resource of the same name contained in IBM-protected group *grpname*.

System Action: The entry for the user's resource is not migrated.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5159 I *resource object* **DEFINED IN GROUP** *grpname*

Explanation: The CSD utility has successfully added a resource definition to a group, where:

- *resource* is the type of resource (CONNECTION, FILE, JOURNALMODEL, LSRPOOL, MAPSET, PARTITIONSET, PARTNER, PROFILE, PROGRAM, SESSION, TDQUEUE, TERMINAL, TRANCLASS, TRANSACTION, or TYPETERM).
- *object* is the name of the object.
- *grpname* is the name of the group.

System Action: Normal utility processing continues.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5161 S TABLE *table* **MUST BE LINK-EDITED WITH AMODE(24) RMODE(24).**

Explanation: After loading the table *table*, the migration routine checks it has been linkedited with AMODE(24) RMODE(24) for migration purposes.

System Action: The MIGRATE command is not processed.

User Response: Relink the table with the correct attributes.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5164 W NO DEFINITION OF *resource object* **CREATED. THIS DUPLICATES AN EXISTING DEFINITION IN GROUP** *grpname*

Explanation: The CSD utility detected a CSD record with a matching key before adding the definition to the CSD file, where:

- *resource* is the type of resource.
- *object* is the name of the object.
- *grpname* is the name of the group.

System Action: The CSD utility does not migrate the resource definition to the CSD file. (If it is a transaction, a generated profile is not created either.)

User Response: Use the CEDA transaction to define the resource with a unique name.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5165 S PROCESSING IS TERMINATED. AN ERROR OCCURRED WHILE WRITING *resource object* **TO THE CSD.**

Explanation: An error occurred when the CSD utility called DFHDMP to write the definition of the object *object* to the CSD file.

The CSD file may be full or corrupted.

resource is the type of resource.

System Action: If the CSD is full, the CSD utility issues message DFH5176, and then terminates with a return code of 12 in message DFH5109.

If the CSD is not full, the CSD utility terminates abnormally with message DFH5175, usually accompanied by one or more of the explanatory messages, DFH5177, DFH5178, and DFH5179.

User Response: Use the additional messages to determine the cause of the error and the appropriate user action required.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5166 E DISALLOWED CHARACTER IN *resource* **NAME** *object*

Explanation: The call to module DFHDMP has failed to construct a valid key for the record created on the CSD file because of an invalid character, or the resource name for the migrated table entry may be invalid. *resource* is the type of resource, and *object* is the name of the object.

System Action: A CSD record is not created for this definition. (If it is a transaction, a generated profile is not created either.)

User Response: Use the CEDA transaction to define the resource with a valid name.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5167 S THE CSECTS IN TABLE *table* **HAVE BEEN LINK-EDITED IN THE WRONG ORDER.**

Explanation: While processing a MIGRATE command, the CSD utility has detected that the CSECTs in table *table* are in the wrong order. Input to the linkage editor omitted a control statement to order the CSECTs.

System Action: The CSD utility does not process the MIGRATE command.

User Response: Use the IBM-supplied procedure, DFHAUPLK, to assemble and link-edit CICS tables. This procedure ensures the correct ordering of CSECTs within the tables.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5168 S TABLE LOADED FROM LIBRARY MEMBER *table* **IS NOT A VALID** *{FCT | RDT | TCT}***.**

Explanation: After loading the table *table*, the migration routine checks the VMNAME field in the DFHVM expansion of the data area following the load point. This message is produced if VMNAME is not that of a valid table.

System Action: The MIGRATE command is not processed.

User Response:

1. Ensure that the correct table is present in the library, and that the TABLE parameter of the MIGRATE command is correct.
2. Ensure that an ORDER statement was processed in the JCL of the link-editing of the table.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5169 S PROCESSING IS TERMINATED. TABLE *table* **WAS ASSEMBLED FOR CICS RELEASE** *rrr***. REASSEMBLE FOR RELEASE** *sss***.**

Explanation: After loading the table *table*, the migration routine checks the VMVERS field in the DFHVM expansion of the data area following the load point. This field indicates the CICS release (*rrr*) for which the table was assembled, and is invalid for the CICS system (release *sss*) that is running.

System Action: The MIGRATE command is not processed.

User Response: Reassemble the table for the correct release of CICS.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5171 E NO DEFINITION FOR FILE DFHCSD CREATED. THE CSD SHOULD BE DEFINED IN THE SIT.

Explanation: The CSD utility detected an attempt to migrate a definition of the CSD to the CSD.

System Action: The CSD utility creates no definition for DFHCSD. Normal utility processing continues with the utility return code set to 8.

User Response: Remove the definition of the CSD from the FCT. Ensure that your definition of the CSD is added to the SIT.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5172 W NO DEFINITION FOR FILE *file* **CREATED. BDAM FILES ARE NOT SUPPORTED BY RDO.**

Explanation: The CSD utility detected an attempt to migrate a definition of a BDAM data set to the CSD. BDAM data sets are not supported by RDO.

System Action: The migration request is ignored. A definition for the named BDAM data set is not created. Normal utility processing continues, but the utility return code will be set to 4.

User Response: BDAM data sets should be defined to CICS using the FCT. Re-assemble your FCT with MIGRATION=COMPLETE on the TYPE=INITIAL macro after all VSAM data sets have been migrated. Use the generated FCT as you would in a non-RDO environment.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5173 SERVREQ=REUSE IS IGNORED IN THE DEFINITION OF FILE *filename* **BECAUSE IT IS NOT SUPPORTED BY RDO.**

Explanation: The CSD utility detected an attempt to migrate to the CSD the definition of VSAM file *filename* with SERVREQ=REUSE specified. RDO does not support files with the SERVREQ=REUSE attribute.

System Action: The SERVREQ=REUSE attribute of the file is ignored, and the file is migrated to the CSD without it. Normal utility processing continues, but the utility return code is set to 4.

CICS Transaction Server for OS/390 Release 3 supports the concept of empty files without the need to specify a separate FCT entry with SERVREQ=REUSE in order to load the data set. The SET FILE EMPTY command can be used for a file allocated to a data set defined as reusable. It specifies that the data set is set empty the next time the file is opened.

User Response: Eliminate use of SERVREQ=REUSE files from your installation.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5174 W PROCESSING IS TERMINATED. COMMAND CANNOT BE EXECUTED BECAUSE 'PARM=CSD(READONLY)' WAS SPECIFIED.

Explanation: This command requires the CSD to be opened for read-write access. Your job step specified read-only access for the CSD in the DFHCSDUP utility job stream.

System Action: This command is not executed.

If commands are being read from a SYSIN data stream, subsequent commands (except LIST) are checked for syntax only. (If the primary CSD file cannot be opened, LIST is not processed either.)

If commands are being read from a get-command exit, DFHCSDUP attempts to process subsequent commands.

User Response: Amend the JCL to specify 'PARM=CSD(READWRITE)'.

Note: If the CSD is recoverable, and you are accessing it in RLS mode, you cannot specify READWRITE access. To perform the command, access the CSD in non-RLS mode.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5175 S PROCESSING IS TERMINATED. UNEXPECTED RESPONSE FROM *function* IN CSD MANAGER.

Explanation: An invocation of the CSD manager, DFHDMP, has resulted in an error. The name of the function that failed is *function*.

System Action: DFHCSDUP issues additional messages and then

- Terminates **normally** for CSD open/close errors, and the CSD-full condition, or
- Terminates **abnormally** for all other situations.

User Response: Ensure that you have set up your CSD file correctly. If you have migrated your CSD file from a previous release, note that you should have increased your block size to 500. If necessary, use the diagnostics in the additional messages.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5176 S PROCESSING IS TERMINATED. CSD IS FULL.

Explanation: The VSAM data set containing the CSD file is full.

System Action: Execution of the CSD utility command is terminated.

If commands are being read from a SYSIN data stream, then subsequent commands (except LIST commands) are checked for syntax only. (If the primary CSD file cannot be opened, the LIST command is not processed either.)

If commands are being read from a get-command exit, then the DFHCSDUP utility attempts to process subsequent commands.

The DFHCSDUP utility leaves a system lock on the group being created at the time of failure. This lock prevents processing of the group by the CSD utility or the CEDA transaction.

User Response: First, use the DFHCSDUP VERIFY process to remove the system lock on the partly-created group. Normal RDO processing of the group should then be possible, enabling the group (or any unwanted definitions) to be deleted.

To recover the contents of the CSD file, define a larger data set and use the AMS REPRO command. Usually, you will be able to REPRO from the CSD file that became full. If you are unable to do this, use a backup copy. (You may be able to transfer definitions from the CSD file that filled up by using the DFHCSDUP COPY command with the FROMCSD option.)

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5177 S PROCESSING IS TERMINATED. CSD I/O ERROR OCCURRED.

Explanation: An I/O error occurred when executing a READ or WRITE of a CSD record on the primary or secondary CSD file.

System Action: DFHCSDUP issues additional messages and terminates abnormally.

User Response: Restore the CSD file to a new data set from your own backup, or create the new CSD file by using the INITIALIZE, COPY, and APPEND commands to restore existing definitions.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5178 S PROCESSING IS TERMINATED. SEVERE CSD ERROR OCCURRED.

Explanation: An error occurred during execution of the CSD manager, DFHDMP, to access the primary or secondary CSD file.

System Action: DFHCSDUP issues additional messages and terminates abnormally.

User Response: See the VSAM diagnostics given in message DFH5179.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5179 S VSAM ERROR. RETURN CODE = *nn* ERROR CODE = *ddd*(*yy*) CONTROL BLOCK TYPE = *{RPL | ACB}*

Explanation: VSAM returned the following diagnostics when an error occurred, where:

- *nn* is the hexadecimal VSAM return code
- *yy* is the hexadecimal VSAM error code (*ddd* is its decimal equivalent)
- CONTROL BLOCK TYPE points to the relevant error code subset as follows:
  - RPL = Request macro responses from VSAM
  - ACB = OPEN/CLOSE responses

  The error code is:
  - For CONTROL BLOCK TYPE = RPL, the reason code from byte 3 of the feedback word field in the RPL (RPLERRCD)
  - For CONTROL BLOCK TYPE = ACB, the reason code in the ERROR field in the ACB (ACBERFLG)

System Action: The CSD utility terminates command processing, and in some situations, produces an operating system dump.

User Response: For the meaning of the VSAM return and error codes, refer to the *DFSMS/MVS V1R3 Macro Instructions for Data Sets* manual.

When interpreting these diagnostics, ensure that the data set referenced in the JCL exists.

Check the following:

- The data set is being concurrently accessed by CICS running in another region.
- You are not attempting to open a recoverable CSD as READWRITE if DFHCSDUP specifies RLS access mode. You must specify PARM=CSD(READONLY) in this case.
- LOG is defined on the base cluster if RLS access mode is specified.

If DFHCSDUP specifies RLS access mode, a ‘record not found’ error could mean that the CSD has not been initialized.

Note: You must use non-RLS access mode to initialize a recoverable CSD.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5180 S PROCESSING IS TERMINATED. ERROR OCCURRED WHILE CSD WAS BEING READ BY *{SETBROWSE | GETNEXT} {SCANSETS | SCANOBJS}*

Explanation: When the LIST command invoked DFHDMP to scan the objects on the CSD file, an error occurred during execution of the DFHDMP function.

System Action: The CSD utility terminates with an MVS abend 0325.

User Response: This error should be reported. You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5181 W NO MATCH FOUND FOR GENERIC *{GROUP | LIST}* **IDENTIFIER** *xxxxxxxx*

Explanation: The LIST command was executed with a generic group or list name, but no qualifying group or list exists on the CSD file.

System Action: Normal processing continues.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5182 W *{GROUP | LIST} xxxxxxxx* **DOES NOT EXIST.**

Explanation: The LIST command or the DELETE command was executed using the name of a group or list that does not exist on the primary CSD file.

System Action: The LIST command or the DELETE command is not processed. Subsequent commands may still be processed.

User Response: Correct the LIST command or the DELETE command to use a valid group or list name.

If a CSD upgrade is being performed, no user action is required.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5183 W *{GROUP | LIST} xxxxxxxx* **EXISTS AS A** *{GROUP | LIST}* **NAME.**

Explanation: The LIST command or the DELETE command was executed using a group name that is already in use as a list name, or using a list name that is already in use as a group name.

System Action: The LIST command or the DELETE command is not processed. Subsequent commands may still be processed.

User Response: Correct the LIST command or the DELETE command to use a valid group or list name.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5184 S PROCESSING IS TERMINATED. INVALID OUTPUT FROM DFHPUP. CANNOT FORMAT DATA FOR UTILITY LISTING.

Explanation: There has been an internal logic error in the DFHCSDUP utility program. The data in the back-translated output buffer is invalid. The length code may be out of range or the data fields in the wrong sequence. One or more of the data fields may be invalid.

System Action: The CSD utility terminates with an MVS abend 0326.

User Response: This error must be reported.

Obtain a dump from DFHCSDUP together with a listing of the DFHCSDUP run and its JCL. Also try to obtain a print out of the CSD, using either IDCAMS or the DFHCSDUP LIST ALL option. The LIST will indicate where the error(s) have occurred because they will refuse to print and are therefore easily identifiable.

You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5186 W NO RESOURCES DEFINED IN GROUP *grpname* **OR NO GROUPS DEFINED IN LIST** *lstid*

Explanation: In executing a LIST command, the CSD utility has found a group or list header on the CSD file for which no corresponding group or list elements exist.

System Action: The utility continues to process the LIST command, but will not tabulate elements of the group or list named in the message.

User Response: Run the DFHCSDUP VERIFY utility.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5187 I *resource* **IS LOCKED, BUT IS NOT THE NAME OF A GROUP OR LIST.**

Explanation: The CSD utility detected a locked resource that is not a group or list. The reason is that an interrupt or failure occurred during a CEDA transaction or a previous utility job. A lock had been created but not the associated group or list.

System Action: The utility continues normal processing of the VERIFY command.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5188 I *{GROUP | LIST | RESERVED NAME} resource* **IS NOW AVAILABLE FOR USE.**

Explanation: The VERIFY command discovered that the resource was not available for the CEDA transaction or offline commands. The restriction on its availability, which was due to the failure of some previous command affecting it, has now been removed.

System Action: Normal processing of the VERIFY command continues.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5189 I CSD VERIFY PROCESS COMPLETED SUCCESSFULLY.

Explanation: The VERIFY command has been processed successfully, and any internal locks associated with groups and lists on the CSD file have been removed.

System Action: Normal processing continues.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5190 S COMMAND IS NOT EXECUTED. UNABLE TO GET STORAGE FOR SERVICE MODULE *progname*

Explanation: There is insufficient storage available to load the service module *progname*, that is to be loaded and executed by DFHCSDUP.

System Action: Utility command execution is terminated.

If commands are being read from a SYSIN data stream, then subsequent commands (except LIST commands) are checked for syntax only. (If the primary CSD file cannot be opened, the LIST command is not processed either.)

If commands are being read from a get-command exit, then DFHCSDUP attempts to process subsequent commands.

User Response: Ensure that there is sufficient storage allocated to load module *progname*.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5191 I SERVICE PROGRAM *progname* **IS RUNNING.**

Explanation: The service module *progname* has been loaded correctly. Execution of the module has started.

System Action: Normal processing continues.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5192 S COMMAND IS NOT EXECUTED. CSD SERVICE LEVEL *ttt* **IS INCOMPATIBLE WITH CURRENT SERVICE LEVEL** *sss*

Explanation: Either the LEVEL parameter specified in the SERVICE command is wrong, or an incorrect version of the CSD file is being used as the secondary (input) CSD file.

System Action: The SERVICE command is not executed.

If commands are being read from a SYSIN data stream, then subsequent commands (except LIST commands) are checked for syntax only. (If the primary CSD file cannot be opened, the LIST command is not processed either.)

If commands are being read from a get-command exit, then DFHCSDUP attempts to process subsequent commands.

User Response: The SERVICE command may upgrade the service level of the CSD file only in increments of one. Check that the input CSD file is the intended one, and that the LEVEL parameter takes the value one higher than the current service level of the CSD file.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5193 S COMMAND IS NOT EXECUTED. SERVICE MODULE *progname* **IS UNABLE TO UPGRADE CSD TO TARGET SERVICE LEVEL** *ttt*

Explanation: The LEVEL parameter specified in the SERVICE command is incompatible with the status of the service module *progname* being applied to the CSD file.

System Action: The SERVICE command is not executed.

If commands are being read from a SYSIN data stream, then subsequent commands (except LIST commands) are checked for syntax only. (If the primary CSD file cannot be opened, the LIST command is not processed either.)

If commands are being read from a get-command exit, then DFHCSDUP attempts to process subsequent commands.

User Response: Ensure that the service module *progname* being applied, is correctly updated with the service fix supplied by IBM. (It should have been amended so as to be able to process SERVICE commands at the target level *ttt*.)

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5194 I UPGRADING SERVICE STATUS OF CSD FROM LEVEL *sss* **TO LEVEL** *ttt*

Explanation: The loaded service module is performing the required upgrade of the CSD file from service level *sss* to service level *ttt*.

System Action: Normal processing continues.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5195 I EXECUTION OF SERVICE PROGRAM *progname* **COMPLETE.**

Explanation: The loaded service program *progname* has run to completion. Control is being transferred back to the CSD offline utility program, DFHCSDUP.

System Action: Normal processing continues.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5196 S COMMAND IS TERMINATED. ERROR OCCURRED WHILE READING CONTROL SECONDARY CSD RECORD.

Explanation: An I/O error has occurred on the specified CSD file.

System Action: The SERVICE command is terminated.

If commands are being read from a SYSIN data stream, then subsequent commands (except LIST) are checked for syntax only. (If the primary CSD file cannot be opened, LIST is not processed either.)

If commands are being read from a get-command exit, then DFHCSDUP attempts to process subsequent commands.

User Response: Retry the command, ensuring that a sufficiently large data set size is specified for the output (primary) CSD file.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5197 S COMMAND IS TERMINATED. UNRECOGNIZED CONTROL RECORD ENCOUNTERED WHILE SECONDARY CSD WAS BEING READ.

Explanation: The contents of a control record of the secondary input CSD are invalid.

System Action: The SERVICE command is terminated.

If commands are being read from a SYSIN data stream, then subsequent commands (except LIST) are checked for syntax only. (If the primary CSD file cannot be opened, LIST is not processed either.)

If commands are being read from a get-command exit, then DFHCSDUP attempts to process subsequent commands.

User Response: Check that the input and output data sets have been correctly defined, and that the DDNAME for the secondary CSD file in the JCL corresponds to the OLDCSD parameter in the SERVICE utility command.

If the problem persists, you will need further help from IBM. First, obtain a dump from DFHCSDUP together with a listing of the DFHCSDUP run and its JCL. Also try to obtain a print out of the CSD using either IDCAMS or the DFHCSDUP LIST ALL option. The LIST indicates where the errors have occurred because they do not print and are therefore easily identifiable. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5198 I CSD RECORD MODIFIED FOR *xxxxxxxx*

Explanation: The specified modification to a record on the CSD file has taken place.

The insert, *xxxxxxxx*, is the element type.

System Action: Normal processing continues. If the modified record is an element in a GROUP or LIST, its date-and-time field is updated when copied to the output (primary) CSD file.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5199 W INVALID FIELD ENCOUNTERED IN EXISTING RECORD FOR *xxxxxxxx*

Explanation: An unexpected value was found in one of the fields of a CSD record that was to be modified for element *xxxxxxxx*.

System Action: Normal processing continues, and the invalid record is left unchanged on the new (primary) CSD file.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH52xx (DFHCSDUP) messages

DFH5200 S COMMAND NOT EXECUTED. NO VALID LANGUAGE TABLE WAS LOADED.

Explanation: Either the CSD utility found that the RDO language table had not been loaded correctly, or that it contained invalid data.

System Action: The CSD utility terminates, because it cannot process any commands.

User Response: Check that the correct version of the RDO language table (DFHEITCU) is in the program library.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5201 S *command* **COMMAND IS NOT VALID. COMMAND NOT EXECUTED.**

Explanation: The CSD utility does not recognize the command.

System Action: The utility ignores the command.

User Response: Correct the command.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5202 S INCORRECT SYNTAX FOR *command* COMMAND. COMMAND NOT EXECUTED.

Explanation: The syntax of the command is incorrect.

System Action: The CSD utility ignores the command.

User Response: Correct the command.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5203 W RIGHT PARENTHESIS ASSUMED AFTER THE VALUE OF *xxxx*.

Explanation: The syntax of the command was incorrect. Either a right parenthesis has been omitted or a keyword value in excess of 256 bytes has been specified.

System Action: The CSD utility executes the command as if the right parenthesis was present.

User Response: Confirm that the correction applied by the utility generated the required command.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5204 E COMMAND NOT EXECUTED. *xxxx* KEYWORD IS NOT VALID.

Explanation: The keyword *xxxx* is not valid on this command.

System Action: The utility command is ignored.

User Response: Correct the command.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5205 E COMMAND NOT EXECUTED. NO VALUE WAS SPECIFIED FOR *xxxx*.

Explanation: The option *xxxx* is incomplete, possibly because a value has been omitted.

System Action: This CSD utility command is ignored.

User Response: Correct the command.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5206 E COMMAND NOT EXECUTED. DUPLICATE SPECIFICATION OF *xxxx*.

Explanation: Option *xxxx* appears twice on a single CSD utility command.

System Action: The utility ignores the command.

User Response: Correct the command.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5207 E COMMAND NOT EXECUTED. *xxxxxxxx* DOES NOT REQUIRE A VALUE.

Explanation: The CSD utility detected an input command coded with a value for option *xxxxxxxx* when no value was required.

System Action: The utility does not process the command.

User Response: Correct the command.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5210 E COMMAND NOT EXECUTED. INVALID VALUE WAS SPECIFIED FOR *xxxx*.

Explanation: The CSD utility detected an input command coded with an invalid value for option *xxxx*.

System Action: The utility does not process the command.

User Response: Correct the value.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5211 E COMMAND NOT EXECUTED. OPERAND DELIMITER *x* WAS MISPLACED.

Explanation: The CSD utility has detected an input command coded with a misplaced option delimiter *x*.

System Action: The utility does not process the command.

User Response: Place the delimiter correctly.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5212 E COMMAND NOT EXECUTED. *comptype string* IS NOT UNIQUELY IDENTIFIABLE.

Explanation: An ambiguous DFHCSDUP command has been specified.

- *comptype* is the command component type
- *string* is the actual component.

System Action: The command is not executed. If commands are being read from a SYSIN data stream, subsequent commands (except LIST commands) are checked for syntax only. If commands are being read from a get-command exit, DFHCSDUP attempts to process subsequent commands.

User Response: Correct the command syntax and retry. See accompanying message DFH5213 for further details of the command failure.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5213 E SPECIFIED *input* **COULD BE INTERPRETED AS** *match1* **OR** *match2***.**

Explanation: An ambiguous DFHCSDUP command has been specified.

- *input* is the ambiguous character string
- *match1* and *match2* are two possible interpretations of *input.*

System Action: The command is not executed. If commands are being read from a SYSIN data stream, subsequent commands (except LIST commands) are checked for syntax only. If commands are being read from a get-command exit, DFHCSDUP attempts to process subsequent commands.

User Response: Correct the command syntax and retry.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5214 W *keyword* **IS AN OBSOLETE KEYWORD. IT IS IGNORED.**

Explanation: The CSD utility has detected an input command coded with an obsolete keyword. The keyword specifies an option not valid for this release of CICS, but the command can be used as input to the CSD utility for an earlier release.

System Action: The utility ignores the keyword.

User Response: Confirm that the resulting utility command is correct for this release of CICS.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5215 E COMMAND NOT EXECUTED. A CLOSING PARENTHESIS HAS BEEN OMITTED FROM A NULL VALUE SPECIFIED ON AN ALTER COMMAND.

Explanation: A closing parenthesis was not added when a null value was specified for a keyword on an ALTER command. A closing parenthesis is automatically added for keyword values other than nulls.

System Action: The command is not executed. If commands are being read from a SYSIN data stream, subsequent commands (except LIST commands) are checked for syntax only. If commands are being read from a get-command exit, DFHCSDUP attempts to process subsequent commands.

User Response: Correct the command syntax and retry.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5216 E *restype resname* **IS NOT IN GROUP** *group***.**

Explanation: A nonexistent resource of type *restype* and name *resname*, has been specified on an ALTER command.

System Action: The command is not executed. If commands are being read from a SYSIN data stream, subsequent commands (except LIST commands) are checked for syntax only. If commands are being read from a get-command exit, DFHCSDUP attempts to process subsequent commands.

User Response: Correct the command syntax and retry.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5217 E COMMAND NOT EXECUTED. A CLOSING BRACKET HAS BEEN OMITTED FROM A *xxxx* **KEYWORD.**

Explanation: A closing bracket has been omitted from the *xxx* keyword on a DFHCSDUP DEFINE command.

System Action: The DEFINE command is not executed.

User Response: Correct the DEFINE command syntax and retry.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5218 I ALTERING *Resourcetype Resourcename* **IN GROUP** *Groupname*

Explanation: During the execution of a generic ALTER command, the CSD batch update utility scans the CSD file for matches to the specified generic resource name and/or GROUP keyword. For every match, the utility processes the request and informs the user of the resulting *resourcename* and/or *groupname* respectively.

System Action: Normal processing continues.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5219 W NO MATCH FOUND ON CSD FILE FOR *Resourcetype Resourcename* **GROUP** *Groupname*

Explanation: The ALTER command was executed with a generic resource and/or group name, but no qualifying resource and/or group exist on the CSD file.

System Action: Normal processing continues.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5220 E COMMAND NOT EXECUTED. *xxxxxxxx* **MUST BE THE FIRST COMMAND.**

Explanation: The CSD utility found an INITIALIZE command after other commands.

System Action: The CSD utility ignores the command.

User Response: Confirm that the INITIALIZE command was misplaced.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5222 E COMMAND NOT EXECUTED. *xxxxxxxx* KEYWORD WAS OMITTED OR SPECIFIED INCORRECTLY.

Explanation: A required keyword *xxxxxxxx* was omitted from a CSD utility command.

System Action: The utility ignores the command.

User Response: Specify keyword *xxxxxxxx*.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5223 E COMMAND NOT EXECUTED. *xxxxxxxx* KEYWORD CONFLICTS WITH *xxxxxxxx* KEYWORD.

Explanation: The syntax of the command is incorrect. Conflicting keywords have been specified.

System Action: The utility command is ignored.

User Response: Correct the command.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5224 E COMMAND NOT EXECUTED. VALUE OF *xxxxxxxx* IS OUT OF VALID RANGE.

Explanation: The CSD utility detected an input command coded with a numeric value for value *xxxxxxxx* which was outside the valid range.

System Action: The utility does not process the command.

User Response: Correct the value.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5225 E COMMAND NOT EXECUTED. SAME NAME SPECIFIED FOR 'TO' AND *xxxxxxxx*.

Explanation: This message is issued for one of the following reasons:

1. The utility COPY command has been coded with the same group name for the source and target group.
2. The APPEND command has been coded with the same list name for the source and target list.
3. The ADD command has been coded with the same group name and list name.

System Action: The CSD utility or CICS ignores the command.

User Response: Correct the name (or names) in error.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5227 E COMMAND NOT EXECUTED. USE OF GENERIC NAME CONFLICTS WITH *xxxxxxxx* OPTION.

Explanation: A CSD utility command used a generic name; that is, one containing asterisk (*) or plus sign (+) characters, in conjunction with an option that conflicted with the use of generic names.

System Action: The utility ignores the command.

User Response: Correct the command.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5228 E COMMAND NOT EXECUTED. ONLY ONE RESOURCE-TYPE KEYWORD CAN BE SPECIFIED.

Explanation: The CSD utility detected an input command coded with more than one resource-type keyword.

System Action: The utility does not process the command.

User Response: Correct the command to refer to only one resource-type keyword.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5229 E COMMAND NOT EXECUTED. *xxxxxxxx* IS INVALID BECAUSE A RESOURCE-TYPE KEYWORD WAS SPECIFIED.

Explanation: The CSD utility detected an input command coded with a resource-type keyword (for example, PROGRAM, TRANSACTION) in a situation where a resource-type keyword is invalid.

System Action: The utility does not process the command.

User Response: Correct the command and resubmit.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5230 I ERASE COMMAND IS OBSOLETE. USE THE DELETE COMMAND.

Explanation: The CSD utility detected the obsolete ERASE command in its input.

System Action: The utility processes the command as a DELETE command.

User Response: In future, use the DELETE command instead of the ERASE command.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5231 E COMMAND NOT EXECUTED. *xxxxxxxx* **IS INCOMPATIBLE WITH THE MIGRATE COMMAND FOR** *table-type* **TABLES.**

Explanation: An attempt has been made to execute the MIGRATE command with an invalid table type and (or) an invalid keyword specified.

System Action: The CSD utility terminates.

User Response: Correct the command syntax and resubmit the job.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5232 E COMMAND NOT EXECUTED. *xxxxxxxx* **PARAMETER MUST NOT BEGIN WITH 'DFH'.**

Explanation: In a CSD utility MIGRATE command, the *xxxxxxxx* parameter contained an invalid table name or group name.

System Action: The utility does not process the command.

User Response: Resubmit with a valid table name or group name.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5233 E COMMAND NOT EXECUTED. *xxx* **TABLE TYPE IS NOT SUPPORTED BY RDO.**

Explanation: The CSD utility detected a TABLE parameter that referred to a CICS table type not supported by RDO.

RDO supports:

- Program, transaction, and terminal definitions (RDT)
- Files (FCT)
- Transient data queues (DCT).

System Action: The utility does not process the command.

User Response: Correct the command.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5234 E COMMAND NOT EXECUTED. *command* **IS NOT SUPPORTED.**

Explanation: The CSD utility detected a command *command* in its input which is not supported by RDO.

System Action: The utility does not process the command.

User Response: Correct the command

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5235 E COMMAND NOT EXECUTED. GROUP OR LIST MUST BE SPECIFIED.

Explanation: A CSD utility EXTRACT command has been submitted. A GROUP or LIST name must be specified with an EXTRACT command.

System Action: The utility command is not executed. This message is followed by DFH5104.

User Response: Correct the invalid command by adding a valid GROUP or LIST name and rerun the utility job.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5236 I A USER EXIT PROGRAM HAS BEEN SPECIFIED ON THE ENTRY LINKAGE AND ON THE USERPROGRAM KEYWORD. THE PROGRAM SPECIFIED ON THE ENTRY LINKAGE HAS BEEN IGNORED.

Explanation: An EXTRACT user-exit program has been specified via the entry parameter list and on the USERPROGRAM keyword of the EXTRACT command.

System Action: The program specified on the USERPROGRAM keyword is used.

User Response: Ensure that the user program used is the one intended.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5240 S PROCESSING TERMINATED. ERROR OCCURRED WHILE INPUT UTILITY COMMAND WAS BEING READ.

Explanation: The environment adaptor GETCARD utility cannot read an input utility command.

System Action: The CSD utility terminates abnormally without processing the input commands.

User Response: Check that the utility commands are prepared correctly and located correctly in the JCL. Check also that the DD statement defining the output data set startup job stream is correct. For JCL examples, refer to the CICS Operations and Utilities Guide.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5241 S PROCESSING TERMINATED. INVALID RECORD LENGTH ON INPUT UTILITY COMMAND DATA STREAM.

Explanation: The CSD utility detected incorrectly formatted input in the SYSIN data stream.

System Action: The CSD utility cannot process any commands. The utility attempts to:

1. Close any files previously opened internally.
2. Unload any extract exit routines that were dynamically loaded.

3. Invoke the termination exit routine (if supplied).
4. Return control to the invoker of the utility.

User Response: Ensure that the output data set data stream is formatted with fixed length 80-byte records.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5242 E COMMAND NOT PROCESSED. TOO MANY CONTINUATION RECORDS FOR INPUT UTILITY COMMAND.

Explanation: The CSD utility detected an input command that was too long and extended over too many records.

System Action: The utility does not process the command.

User Response: This message may be caused by an error in the rejected command or in the preceding or subsequent commands in the input stream. Correct the commands in error.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5251 I *resource object* **IN GROUP** *grpname* **IS REPLACED.**

Explanation: A resource definition existed in both source and target groups. Based on the CSD utility commands submitted, the utility has replaced the definition in the target group with that from the source group.

- *resource* is the type of the resource
- *object* is the name of the object
- *grpname* is the name of the group.

System Action: Normal utility processing continues.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5252 I *resource object* **COPIED TO GROUP** *grpname***.**

Explanation: The CSD utility has correctly copied a resource definition to the specified group, where:

- *resource* is the type of resource
- *object* is the name of the object
- *grpname* is the name of the group.

System Action: Normal utility processing continues.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5253 E GROUP *grpname* **NOT FOUND IN CSD FILE - DDNAME:** *ddname*

Explanation: The CSD utility has detected a COPY command that attempted to copy definitions from the non-existent group, *grpname*, in the CSD specified in DDNAME *ddname*.

System Action: The utility does not process the command.

User Response: Either correct the group name in the command, or make sure that the specified CSD file is the correct one.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5254 E *resource object* **ALREADY EXISTS IN THE TARGET GROUP.**

Explanation: The CSD utility detected a command that attempted to add a definition to a group that already contained a definition of an object with the same name, where:

- *resource* is the type of resource
- *object* is the name of the object.

System Action: The CSD utility does not process the command.

User Response: Change the name in the command, or alter the name of the existing definition.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5255 E LIST *xxxxxxxx* **NOT FOUND IN CSD FILE - DDNAME:** *ddname*

Explanation: The CSD utility detected an APPEND or REMOVE command that referred to a nonexistent list in the CSD file specified in DDNAME *ddname*.

System Action: The utility does not process the command.

User Response: Either correct the list name in the command, or make sure that the specified CSD file is the correct one.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5256 E NO RESOURCES DEFINED IN GROUP *grpname***.**

Explanation: In executing a LIST command, the CSD utility has found a group header on the CSD file for which no group elements exist.

System Action: The CSD utility continues to process the LIST command, but will not list elements of the named group.

User Response: Run the DFHCSDUP VERIFY utility to verify the group.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5257 E LENGTH OF 'TO' PREFIX MUST BE LESS THAN OR EQUAL TO LENGTH OF 'GROUP' PREFIX.

Explanation: During the execution of a generic COPY command, the batch update utility found the length of the prefix of the generic group specified in the TO keyword to be greater than the length of the prefix of the generic GROUP keyword.

System Action: The utility ignores the command to prevent truncation of the TO group name.

User Response: Correct the command.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5258 I COPYING GROUP *grpname1* **TO** *grpname2*

Explanation: During the execution of a generic COPY command, the CSD batch update utility scans the CSD file for matches to the generic GROUP keyword. For every match, the utility resolves the generic TO keyword, and informs the user of the resulting *grpname1* and *grpname2* respectively.

System Action: Normal processing continues.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5259 I UNRECOGNIZED RESOURCE TYPE FOUND IN THE CSD FILE AND HAS BEEN IGNORED.

Explanation: CICS has found an unrecognized resource type code in a CSD record. The unrecognized code does not match any of the function codes in the language definition table. This can occur for one of the following reasons:

1. You are using a CICS release that does not support a type of definition that was created on the CSD file by a later CICS release.
2. The language definition table (DFHEITSP or DFHEITCU) is invalid for this CICS release.
3. The CSD manager (DFHDMP) has passed an invalid CSD record buffer to DFHPUP. This is a CICS internal logic error.

System Action: The resource is ignored and the operation continues.

User Response: Determine which of the possible reasons caused the error. If you can eliminate reasons 1 and 2, you can assume that reason 3 applies.

Take action corresponding to the reason you have established as follows:

1. Ignore the message.
2. Ensure that the library contains versions of DFHEITSP and DFHEITCU that are valid for the CICS release you are running.
3. You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5261 W RDT IS EMPTY. NO VTAM RESOURCES IN ASSEMBLED TABLE.

Explanation: The CSD utility detected an attempt to migrate a TCT that either contains no RDO-supported terminal or sessions definitions, or whose TYPE=INITIAL entry specifies MIGRATE=COMPLETE.

System Action: The utility does not create any CSD definitions.

User Response: Check the TCT source code to see if it contains any RDO-supported definitions. If it does, check that it has been correctly assembled (MIGRATE=YES specified) and link-edited.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5262 S INSUFFICIENT STORAGE TO BUILD TYPE-MATCHING CHAIN.

Explanation: During CSD utility processing, an internal error has occurred in the migration of a TCT. This is because of lack of storage for TYPETERM definitions.

System Action: The utility attempts to:

1. Close any files previously opened internally.
2. Unload any extract exit routines that were dynamically loaded.
3. Invoke the termination exit routine (if supplied).
4. Return control to the invoker of the utility.

In any of the above cases, definitions that have already been migrated will remain on the CSD.

User Response:

1. Run the DFHCSDUP VERIFY utility.
2. Delete the groups created by the failing MIGRATE command.
3. Allocate a larger region size in the utility JCL, and retry the command.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5263 S ERROR IN INPUT RDT. INCORRECT SEQUENCE OF COMMANDS.

Explanation: During CSD utility processing, an internal error has occurred in the migration of a TCT. This is because of abnormal data in the assembled table.

System Action: The utility attempts to:

1. Close any files previously opened internally.
2. Unload any extract exit routines that were dynamically loaded.
3. Invoke the termination exit routine (if supplied).
4. Return control to the invoker of the utility.

Definitions that have already been migrated will remain on the CSD. The MVS user abend code is 0308.

User Response:

1. Run the DFHCSDUP VERIFY utility.
2. Delete the groups created by the failing MIGRATE command.
3. Keep the assembly listing for the failing table and keep the DFHCSDUP dump, if available. You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5264 W RESOURCE *object* **NOT DEFINED. GROUP** *grpname* **NOT AVAILABLE.**

Explanation: During the migration of a TCT, the CSD utility could not define a resource *object* because the target group *grpname* was not available. The utility has issued a previous message indicating the reason.

System Action: The utility creates no definition for resource *object*. Normal utility processing continues.

User Response: Review the original message. If necessary, recode the TYPE=GROUP macro in the TCT source to name a suitable group.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5265 W ACTION REQUIRED TO FIND A SUITABLE TYPETERM FOR TERMINAL *termid***.**

Explanation: While migrating a TCT, the CSD utility found a terminal definition for which it could not create a corresponding TYPETERM definition.

System Action: The utility adds the terminal definition to the CSD file, but it refers to a TYPETERM that may be unsuitable for this device.

User Response: Use the CEDA transaction to define a suitable TYPETERM and alter the TERMINAL definition to refer to the new TYPETERM.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5266 W SESSIONS *sessions* **NOT DEFINED BECAUSE OF ERROR IN ASSOCIATED CONNECTION.**

Explanation: An error has been detected during the migration of a TCT. When migrating a session, DFHCSDUP checks that the associated CONNECTION has been defined successfully. If it has not, DFHCSDUP abnormally terminates the session definition.

System Action: The specified SESSIONS resource is not migrated to the CSD. DFHCSDUP continues with the migration of subsequent TCT entries.

User Response: Use the diagnostic information in the output listing from the MIGRATE utility to determine why the CONNECTION definition has failed. You can then use RDO to DEFINE the CONNECTION and the SESSIONS to the CSD.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5267 E *resource object* **NOT MIGRATED. TARGET GROUP** *grpname* **IS LOCKED TO APPLID** *applid* **OPID** *opid* **AND CANNOT BE UPDATED AT PRESENT**

Explanation: It is not possible to put the resource *resource* into group *groupname*, because the group is currently locked to APPLID *applid* and OPID *opid*. The group will be unlocked again when the other user's operation is complete.

System Action: The utility does not create definitions for the resources named in the DFH5274 messages which follow. Normal utility processing continues with the utility return code set to 8.

User Response: Resubmit the job later, or choose a different name for the target group. If the group remains locked, consult with the user identified by APPLID and OPID. If the lock remains set for no apparent reason, issue the VERIFY command and resubmit.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5268 E *resource object* **NOT MIGRATED.** *grpname* **ALREADY EXISTS AS A LIST.**

Explanation: The name chosen for the target GROUP duplicates that of an existing LIST on the CSD.

System Action: The utility does not create definitions for the resources named in the DFH5274 messages which follow. Normal utility processing continues with the utility return code set to 8.

User Response: Choose a different name for the target group and change the appropriate TYPE=GROUP macro in the FCT source.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5269 E *resource object* **NOT MIGRATED. GROUP** *grpname* **IS IBM PROTECTED.**

Explanation: An attempt was made to add a definition to an IBM supplied group (groups beginning with "DFH").

System Action: The utility creates no definition for the resources named in the DFH5274 messages which follow. Normal utility processing continues with the utility return code set to 8.

User Response: Change the input source to name a different target group whose name does not begin with "DFH".

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5270 I *{GROUP | LIST} xxxxxxxx* **DELETED FROM THE CSD.**

Explanation: The CSD utility has successfully deleted a group or list from the primary CSD file.

System Action: Normal utility processing continues.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5271 S UNABLE TO DELETE *{GROUP | LIST} xxxxxxxx* **FROM THE CSD.**

Explanation: During CSD utility processing, an error in accessing the CSD file caused a delete operation to fail.

System Action: The utility does not process the DELETE command. The group or list to be deleted remains on the CSD file.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5272 I *resource object* **DELETED FROM GROUP.**

Explanation: The CSD utility successfully deleted the named resource, where:

- *resource* is the type of resource
- *object* is the name of the object.

System Action: Normal utility processing continues.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5273 W *resource object* **IS NOT IS GROUP** *grpname***.**

Explanation: The CSD utility detected an attempt to delete a resource which did not exist in the named group, where:

- *resource* is the type of resource
- *object* is the name of the object
- *grpname* is the name of the group.

System Action: The utility does not process the DELETE command.

User Response: Check that you have coded the group and resource names correctly.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5274 W *resource object* **NOT MIGRATED. GROUP** *grpname* **IS NOT AVAILABLE.**

Explanation: During the migration of an FCT, the CSD utility could not define the resource *resource* because the target group *groupname* was not available. The utility has issued a previous message indicating the reason why.

System Action: The utility creates no definition for the resource named *object*. Normal utility processing continues.

User Response: Review the original message. If necessary recode the TYPE=GROUP macro in the FCT source to name a suitable group.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5275 S COMMAND NOT EXECUTED. GROUP *grpname* **IS NOT THE MEMBER OF LIST** *listname***.**

Explanation: The REMOVE command being executed names a GROUP that is not a member of LIST *listname*.

System Action: The command is not executed.

If commands are being read from a SYSIN data stream, then subsequent commands (except LIST commands) are checked for syntax only. (If the primary CSD file cannot be opened, the LIST command is not processed either.)

If commands are being read from a get-command exit, then DFHCSDUP attempts to process subsequent commands.

User Response: Correct the command and resubmit a DFHCSDUP job to execute the failing command and any subsequent commands that were suppressed.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5276 I GROUP *grpname* **REMOVED FROM LIST** *listname***.**

Explanation: The REMOVE command has successfully removed group *grpname* from LIST *listname*.

System Action: Normal execution continues.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5277 I LIST *list* **DELETED FROM CSD.**

Explanation: The final group has been removed from list *listname*. The list has therefore been deleted.

System Action: Processing continues.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5280 I PROCESSING DEFINITIONS FROM LIBRARY MEMBER *xxxxxxxx***.**

Explanation: The CSD utility has successfully loaded data from the named library member.

System Action: Normal utility processing continues.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5281 S DATA LOADED FROM LIBRARY MEMBER *xxxxxxxx* **IS INVALID.**

Explanation: The CSD utility has found an error in data loaded from the named library member.

System Action: The utility attempts to:

1. Close any files previously opened internally.
2. Unload any extract exit routines that were dynamically loaded.
3. Invoke the termination exit routine (if supplied).
4. Return control to the invoker of the utility.

User Response: Obtain a dump containing the failing library member.

You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5282 E UNABLE TO GET STORAGE FOR LIBRARY MEMBER *xxxxxxxx***.**

Explanation: There is insufficient storage available to load the library member *xxxxxxxx*.

System Action: The utility terminates processing of the command that required access to the named library member.

User Response: Allocate a larger region size in the utility JCL and resubmit the job.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5283 S RDL SUBCOMMAND EXCEEDS 1024 BYTES: *xxxxxxxx***.**

Explanation: The CSD utility found an internal error in the data loaded while processing the indicated (truncated) UPGRADE, INITIALIZE, or MIGRATE command.

System Action: The CSD utility terminates abnormally.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5284 E ERROR ANALYZING RDL SUBCOMMAND: *xxxxxxxx***.**

Explanation: The CSD utility found an internal error in the data loaded while processing the indicated (truncated) UPGRADE, INITIALIZE, or MIGRATE command.

System Action: The utility attempts to:

1. Close any files previously opened internally.
2. Unload any extract exit routines that were dynamically loaded.
3. Invoke the termination exit routine (if supplied).
4. Return control to the invoker of the utility.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5285 E INVALID VERB IN RDL SUBCOMMAND: *xxxxxxxx***.**

Explanation: The CSD utility found an internal error in the data loaded while processing the indicated (truncated) UPGRADE, INITIALIZE, or MIGRATE command.

System Action: The utility attempts to:

1. Close any files previously opened internally.
2. Unload any extract exit routines that were dynamically loaded.
3. Invoke the termination exit routine (if supplied).
4. Return control to the invoker of the utility.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5286 E UNABLE TO CREATE RESOURCE DEFINITION ON CSD FILE, RDL SUBCOMMAND: *xxxxxxxx***.**

Explanation: This message is issued during the processing of the indicated (truncated) command for one of the following reasons:

1. The CSD is full (in which case, messages DFH5175 and DFH5176 accompanies this one)
2. The CSD was defined as read-only (in which case, message DFH5174 accompanies this message)
3. The TCT being migrated contained a terminal entry with a name unacceptable to RDO (in which case, message DFH5165 accompanies this message)
4. A list or group cannot be used due to the failure of a previous update operation (in which case, message DFH5142 accompanies this message)
5. The resource definition list being used to INITIALIZE or UPGRADE the CSD file contained a definition with an invalid resource name or group name
6. A logic error occurred in DFHCSDUP or an internal error was detected in the data contained in the loaded table.

System Action: The system action depends on the reason the message is issued, as follows.

1. Migration of the TCT table is terminated immediately.
2. Processing of the UPGRADE or INITIALIZE command is terminated
3. The utility attempts to:
   a. Close any files previously opened internally.
   b. Unload any extract exit routines that were dynamically loaded.
   c. Invoke the termination exit routine (if supplied).
   d. Return control to the invoker of the utility.
4. The command is not executed, and execution of further DFHCSDUP commands in the job stream is suppressed.
5. As in (3) above.
6. As in (3) above.

In ALL cases, all the definitions created by this command up to the point of failure remain on the CSD.

User Response: The user response depends on the reason the message is issued, as follows.

1. See message DFH5175 and DFH5176.
2. See message DFH5174.
3. Change the name of the terminal and all references to it. Also refer to the user response for message DFH5165.
4. See message DFH5142.
5. This is a CICS logic error. See instruction for 6 below.
6. This is a CICS logic error. You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed. A CICS background trace of the failure may aid them in problem diagnosis.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5287 EXTRACT TERMINATED AT USER'S REQUEST RC=*retcode***.**

Explanation: A batch job has issued a CSD utility EXTRACT command. The EXTRACT command has been terminated because of a non-zero value in register 15 on return from a user exit program. Subsequent messages will indicate any further problems encountered by the utility.

System Action: Execution of the utility command is terminated. This message is followed by DFH5104.

User Response: Determine the cause of the error detected by the user exit program using the return code *retcode* provided and the relevant documentation of the user exit program.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5290 W TABLE *tabtype* **MACRO** *mactype*=*value* **IS NOT SUPPORTED. VALUE IS CHANGED TO** *newvalue***.**

Explanation: During a table *tabtype* migration for macro *mactype*, *value* is not supported. *value* has been migrated as *newvalue*

System Action: The utility creates the definition for the resource with the changed value. Normal utility processing continues.

User Response: Review the object definition to ensure that the modified definition is acceptable.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5291 E UNABLE TO DEFINE OBJECT *object* **IN GROUP** *group***. MIGRATION IS TERMINATED.**

Explanation: The DFHCSDUP migration utility could not define *object* in the *group* specified. The migration cannot continue.

System Action: The utility terminates the migration of the table.

User Response: Verify that the specified group is the correct group and review prior errors to determine why the migration utility could not create the definition in the group.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5292 W OBJECT *object* **NOT DEFINED FOR TABLE ITEM** *name* **DUE TO PREVIOUS ERROR. MIGRATION CONTINUES.**

Explanation: The DFHCSDUP migration utility could not define *object* for the table item *name*. The migration continues.

During the migration of an RCT, the migration utility issues this message for all DB2TRAN definitions that refer to a DB2ENTRY definition that failed.

System Action: The utility continues the table migration without defining the object.

User Response: Correct the prior errors and manually define the skipped objects.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5293 W TOTAL *object* **DEFINITIONS SKIPPED DUE TO ERROR:** *number*

Explanation: CICS issues this message after migrating a CICS table. *number* definitions of type *object* were not migrated. See one or more DFH5292 messages issued prior to this message.

System Action: Utility processing continues.

User Response: Correct the prior errors and manually define the skipped objects.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5294 E *number object-1* **WERE NOT MATCHED WITH A CORRESPONDING** *object-2***.**

Explanation: CICS issues this message if there are *object-1* table definitions that have not been defined because the table was not defined correctly. *object-1* table definitions must refer to a *object-2* in the table.

System Action: The migration of the table ends.

User Response: Reassemble the table with the current release macro source.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5296 W TABLE *tabtype* **TYPE=***mactype parameter* **DOES NOT SUPPORT MULTIPLE VALUES.**

Explanation: Multiple values were specified for TYPE=*mactype parameter* The migration of the *tabtype* table supports only one value.

System Action: The migration utility ignores the additional values. The migration continues.

User Response: Review the migrated definition to ensure that the new single value is acceptable.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH55xx (DFHCSDUP) messages

DFH5501 E COMMAND NOT EXECUTED. *keyword* **MUST BE SPECIFIED**

Explanation: A keyword *keyword*, which is required in the command, has been omitted or was incorrectly specified. An earlier message identifies if the latter case is applicable.

System Action: The utility ignores the command.

User Response: Correct the command.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5502 W *xxxxxxx* **IMPLIES** *yyyyyyy*

Explanation: The value *xxxxxxxx* specified in a DEFINE command has caused another value *yyyyyyyy*, which is not a normal default, to be assumed.

System Action: Normal utility processing continues.

User Response: Check that the resulting resource definition is acceptable. If you accept this default, no further action is required.

If the resultant default is not acceptable, you must decide whether to modify the definition, or to delete it and start again.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5503 E COMMAND NOT EXECUTED. *xxxxxxx* **OPTION CONFLICTS WITH** *yyyyyyy* **OPTION AND IS IGNORED.**

Explanation: Two options, *xxxxxxx* and *yyyyyyy*, that are mutually exclusive have been specified.

System Action: The utility ignores the command.

User Response: Correct the command.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5504 E COMMAND NOT EXECUTED. USE OF *xxxxxxx* **OPTION IMPLIES** *yyyyyyy* **OPTION**

Explanation: Option *xxxxxx* requires another value, *yyyyyyy*.

System Action: The utility ignores the command.

User Response: Specify *yyyyyyy*.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5505 W PROGRAM DFHMSP REQUIRES A TWASIZE OF AT LEAST 512

Explanation: A DEFINE PROGRAM command for the message switching program, DFHMSP, has given it a TWASIZE of less than 512 bytes. If it is to be a definition for the CICS-supplied program of that name then it will not execute correctly.

System Action: Normal utility processing continues.

User Response: Check that the resulting resource definition is as you expect.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5506 E COMMAND NOT EXECUTED. FOR *xxxxxxx* **MANY OPTIONS, INCLUDING** *yyyyyyy* **ARE MEANINGLESS**

Explanation: A keyword or value has been specified that is not consistent with another.

System Action: The utility ignores the command.

User Response: Correct the command.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5507 E COMMAND NOT EXECUTED. *xxxxxxx* **VALUE MUST BE GREATER THAN** *yyyyyyy* **VALUE.**

Explanation: A value has been specified that is not consistent with another. *xxxxxxx* must be greater than *yyyyyyy*.

System Action: The utility ignores the command.

User Response: Correct the command.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5508 E COMMAND NOT EXECUTED. *xxxxxxx* **VALUE MUST BE LESS THAN OR EQUAL TO** *yyyyyyy* **VALUE.**

Explanation: A value has been specified that is not consistent with another. The value *xxxxxxx* must be less than or equal to *yyyyyyy*.

System Action: The utility ignores the command.

User Response: Correct the command.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5509 E COMMAND NOT EXECUTED. *xxxxxxx* **NAME MUST NOT BE THE SAME AS** *yyyyyyy* **NAME**

Explanation: Some values in DEFINE commands must not be the same as the name of the resource. *xxxxxxx* must not have the same name as *yyyyyyy*.

System Action: The utility ignores the command.

User Response: Correct the command.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5510 W *xxxxxxx* **NAMES BEGINNING WITH** *yyyyyyy* **ARE RESERVED AND MAY BE REDEFINED BY CICS**

Explanation: CICS supplies standard programs and transactions whose names you should usually avoid.

System Action: Normal utility processing continues.

User Response: Check that the resulting resource definition is as you expect.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5511 W *xxxxxxx* **NAME** *yyyyyyy* **IS RESERVED AND MAY BE REDEFINED BY CICS**

Explanation: CICS supplies standard programs and transactions whose names you should usually avoid.

System Action: Normal utility processing continues.

User Response: Check that the resulting resource definition is as you expect.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5512 W PROGRAM NAME BEGINS WITH 'DFH' BUT TRANSACTION NAME DOES NOT BEGIN WITH 'C'

Explanation: CICS supplies standard programs and transactions whose naming conventions you should avoid.

System Action: Normal utility processing continues.

User Response: Check that the resulting resource definition is as you expect.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5513 E COMMAND NOT EXECUTED. THE SECOND VALUE OF *xxxxxxx* **MUST NOT BE GREATER THAN THE FIRST.**

Explanation: Some keywords take pairs of values which are essentially maximum and minimum values.

System Action: The utility ignores the command.

User Response: Correct the command.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5514 E COMMAND NOT EXECUTED. WITH SESSNAME THERE CAN ONLY BE ONE COUNT AND ITS VALUE MUST BE 1.

Explanation: The use of SESSNAME in a DEFINE SESSIONS command means that a single-session, either for sending or receiving, is required.

System Action: The utility ignores the command.

User Response: Correct the command.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5515 W AUTOPAGE(NO) HAS BEEN SPECIFIED FOR A 3270 PRINT DEVICE

Explanation: A DEFINE TYPETERM command has AUTOPAGE(NO) and DEVICE(3270P) or DEVICE(LUTYPE3).

System Action: Normal utility processing continues.

User Response: Check that the resulting resource definition is as you expect.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5516 W THE VALUES OF DEVICE AND SESSIONTYPE ARE EQUIVALENT TO DEVICE(*devtype***) AND HAVE BEEN REPLACED**

Explanation: A DEFINE TYPETERM command has a valid but obsolete DEVICE and SESSIONTYPE combination.

This DEVICE and SESSIONTYPE combination has been replaced by a simpler equivalent indicated by *devtype*.

System Action: Normal utility processing continues.

User Response: Check that the resulting resource definition is as you expect. The CICS Resource Definition Guide provides further information about device equivalents.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5517 E COMMAND NOT EXECUTED. *xxxxxxx* **PFX AND COUNT TOGETHER MAKE MORE THAN 4 CHARACTERS.**

Explanation: In a SESSIONS definition the RECEIVEPFX and SENDPFX values are used as prefixes for the names of as many sessions as are specified in the respective counts. These names cannot be more than 4 characters long.

System Action: The utility ignores the command.

User Response: Correct the command.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5518 W XTRANIDS *xxxxxxx* **ARE RESERVED AND MAY BE REDEFINED BY CICS**

Explanation: CICS supplies programs and transactions whose names you should usually avoid.

System Action: Normal utility processing continues.

User Response: Check that the resulting resource definition is as you expect.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5519 E COMMAND NOT EXECUTED. *xxxxxxx* **VALUE CONTAINS AN INVALID** *y***.**

Explanation: All character values in DFHCSDUP commands are subject to rules which, depending on the value, disallow certain characters.

System Action: The utility ignores the command.

User Response: Correct the command.

The CICS Resource Definition Guide provides further information about these rules under the individual attributes for the syntax of the DFHCSDUP command.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5520 W THE VALUE OF DEVICE IS EQUIVALENT TO *xxxxxxx* **AND HAS BEEN REPLACED**

Explanation: A DEFINE TYPETERM command has a valid but obsolete DEVICE value which has been replaced by a simpler equivalent.

System Action: Normal utility processing continues.

User Response: Check that the resulting resource definition is as you expect.

The CICS Resource Definition Guide provides further information about these simpler equivalent devices.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5521 E COMMAND NOT EXECUTED. *xxxxxxx* **VALUE** *yyyyyyy* **IS INVALID.**

Explanation: A value *yyyyyyyy* has been specified for keyword *xxxxxxxx* which is not valid. It may for instance be non-numeric.

System Action: The utility ignores the command.

User Response: Correct the command.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5522 E COMMAND NOT EXECUTED. LENGTH OF *xxxxxxx* **VALUE IS MORE THAN ALLOWED.**

Explanation: All character values in DEFINE commands are of limited length.

System Action: The utility ignores the command.

User Response: Correct the command.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5523 E COMMAND NOT EXECUTED. FILE DFHCSD MUST BE DEFINED IN THE SIT AND NOT THE CSD.

Explanation: DFHCSD has been defined in the CSD rather than in the SIT. This is not allowed.

System Action: The utility ignores the command.

User Response: Correct the command. Define DFHCSD in the SIT.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5524 W BMS ROUTE FOR CONSOLE MAY CAUSE UNPREDICTABLE RESULTS IF MAPS OR TEXT(ACCUM) USED ON DEVICE.

Explanation: The routing of multiline maps or accumulated text to the console is not supported.

System Action: Normal processing continues.

User Response: Ensure that the unsupported console operations are disabled.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5525 W *xxxxxxxx* **VALUE IS NOT VALID,** *yyyyyyyy* **HAS BEEN ASSUMED**

Explanation: The value *xxxxxxxx* is not valid. The value *yyyyyyyy* has been assumed.

System Action: The utility ignores the command.

User Response: Correct the command.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5526 E *xxxxxxxx* **MUST HAVE ROWS AND COLUMNS SPECIFIED**

Explanation: *xxxxxxxx* must have rows and columns specified.

System Action: The utility ignores the command.

User Response: Correct the command.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5527 E REMOTE OPTIONS ARE IGNORED FOR PROGRAMS STARTING WITH DFH.

Explanation: CICS supplies standard programs which are not allowed to have remote attributes.

System Action: The command is ignored.

User Response: Correct the command by deleting the remote attributes from the program definition.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5528 E COMMAND NOT EXECUTED. VALUE OF *keyword* **IS OUT OF VALID RANGE.**

Explanation: An invalid value has been supplied for the specified keyword.

System Action: The utility ignores the command.

User Response: Supply a valid keyword value and retry.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5529 E *keyword* **OR** *keyword* **MUST BE SPECIFIED.**

Explanation: Neither of the indicated keywords has been specified. When defining a resource, you must specify one of these keywords.

System Action: The utility ignores the command.

User Response: Supply one of the indicated keywords and retry.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5530 W XTRANIDS ENDING WITH *string* **ARE RESERVED AND MAY BE REDEFINED BY CICS.**

Explanation: CICS supplies programs and transactions whose names you should usually avoid.

System Action: Normal utility processing continues.

User Response: Check that the resulting resource definition is as you expect.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5531 W XTRANIDS BEGINNING WITH *string* **ARE RESERVED AND MAY BE REDEFINED BY CICS.**

Explanation: CICS supplies programs and transactions whose names you should usually avoid.

System Action: Normal utility processing continues.

User Response: Check that the resulting resource definition is as you expect.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5532 E COMMAND NOT EXECUTED. AN INVALID COMBINATION OF ROWS AND COLUMNS HAS BEEN SPECIFIED FOR ALTSCREEN.

Explanation: One of the specified values is zero and the other is non-zero. This is an invalid combination.

System Action: The utility ignores the command.

User Response: Ensure that a valid combination of ALTSCREEN rows and columns is specified. See the CICS Resource Definition Guide for details of valid combinations.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5533 W SPECIFIED *keyword1* **VALUE IS LESS THAN** *keyword2* **VALUE. THE DEFAULT VALUE HAS BEEN ASSUMED.**

Explanation: A value has been specified for *keyword1* that is incompatible with the value for *keyword2*.

System Action: DFHCSDUP assumes the default value for *keyword1* and processes the command.

User Response: Ensure that the resulting resource definition is acceptable.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5534 W WHEN YOU CHANGE THE VALUE OF DEVICE MANY OTHER VALUES MAY BE CHANGED FOR YOU.

Explanation: When ALTERing the DEVICE in a TYPETERM resource definition, the batch update utility changes forced values that are incompatible with the new DEVICE. However, dependent default values are not changed, and may now be incompatible.

System Action: Normal utility processing continues.

User Response: Check that the resulting resource definition is as you expect. See the *CICS Resource Definition Guide* for more guidance.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5535 E COMMAND NOT EXECUTED. *restype* **NAME** *resname* **IS RESERVED BY CICS.**

Explanation: The user specified a resource name *resname* for resource type *restype* which is reserved for use by CICS.

System Action: The utility ignores the command.

User Response: Specify a different resource name.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5536 W *keyword1* **AND** *keyword2* **ATTRIBUTES ARE INCONSISTENT IF DEFINITION IS BEING SHARED WITH A BACK LEVEL RELEASE.**

Explanation: *keyword1* has been preceded by *keyword2*. However, *keyword1* has been kept for compatibility reasons. After updating the definition, the value specified for *keyword1* has become inconsistent with the value specified for *keyword2*.

System Action: The definition is created or updated.

User Response: If sharing the CSD file with a back level release, ensure that the resulting resource definition is acceptable. Otherwise, ignore the message.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5537 W PREFIX ALLOWED TO DEFAULT. USE OF DEFAULTS IS RECOMMENDED FOR MRO SESSIONS ONLY.

Explanation: A null value has been accepted for a send or receive prefix for an LU6.1 or MRO session. The default value '>' is supplied by CICS for send sessions and '<' for receive sessions. These values are the default prefixes for MRO session names. The use of these prefixes is allowed for LU6.1 sessions, but is not recommended if MRO session names with the same prefixes are in use because duplicate names may occur if large numbers of sessions are defined.

System Action: CICS will generate session names using these prefixes.

User Response: If this is an LU6.1 session it is recommended that a different prefix should be chosen.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5538 W *resource* **NAMES STARTING WITH** *x* **MAY CONFLICT WITH SYSTEM SESSIONS NAMES.**

Explanation: The resource *resource* has been given a name starting with the character *x* which might be used for system generated SESSIONS names.

System Action: The definition is created or updated.

User Response: Ensure there is no conflict with the name given to the resource and SESSIONS names.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5539 S *keyword* **IS NOT VALID BECAUSE IT STARTS WITH THE RESERVED CHARACTER OR STRING** *string***.**

Explanation: The name you have given to keyword *keyword* is not valid because the name begins with a reserved character or string such as “c” or “dfh”.

System Action: The definition is not created.

User Response: Change the name of the keyword.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5540 W *xxxxxxx* **VALUE IS GREATER THAN** *yyyyyyy* **VALUE. THE LOWER VALUE TAKES PRECEDENCE.**

Explanation: A value has been specified that is not consistent with another. The value *xxxxxxx* is greater than value *yyyyyyy*. Value *yyyyyyy* takes precedence and overrides the higher value.

System Action: The definition is created or updated with the two values as specified.

User Response: Ensure that the two values are defined as you expect. You may decide to leave the values as specified and dynamically change the values online once the resource has been installed in the CICS system.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5541 E PROGRAM OR REMOTESYSTEM MUST BE SPECIFIED.

Explanation: None of the indicated keywords has been specified. When defining a transaction, you must specify one of these keywords.

System Action: The utility ignores the command.

User Response: Supply one of the indicated keywords and retry.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5545 W PROGRAM SHOULD BE SPECIFIED WITH BREXIT.

Explanation: If the BREXIT option is specified, the PROGRAM option should also be specified. For compatibility with the Bridge transaction definitions in CTS 1.2, this is not mandatory, but if PROGRAM is not specified the transaction definition will not work.

System Action: The transaction definition is accepted.

User Response: Correct the command when migration from CTS 1.2 has been made.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCAP

DFH56xx (DFHCSDUP) messages

DFH5600 E UNABLE TO GET STORAGE FOR MODULE DFHCICS. PRIMARY CSD HAS NOT BEEN INITIALIZED.

Explanation: There is insufficient storage to load module DFHCICS.

System Action: Processing of the INITIALIZE command is terminated.

User Response: Ensure that there is sufficient storage to load the DFHCICS module.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5601 E UNABLE TO LOAD THE *{FCT | RDT | LD}* **TABLE NAMED** *table***.**

Explanation: Table *table* cannot be loaded.

System Action: The system action depends on the type of table.

LD
: DFHCSDUP cannot process the command. The utility attempts to:
  1. Close any files previously opened internally.
  2. Unload any EXTRACT exit routines that were dynamically loaded.
  3. Invoke the termination exit routine, if supplied.
  4. Return control to the invoker of the utility.

FCT or RDT
: The CSD utility cannot load the table, and terminates the processing of the utility command.

User Response: Refer to the preceding MVS message which should specify the reason for the failure.

If your FCT or TCT assembly and link-editing is successful, the FCT or RDT should be in the library. The LD is in the load library of the supplied pregenerated CICS system.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5602 E UNABLE TO UNLOAD THE *{FCT | RDT | LD}* **TABLE NAMED** *table***.**

Explanation: Table *table* cannot be unloaded.

System Action: The system action depends on the type of table.

LD
: DFHCSDUP cannot process the command. The utility attempts to:
  1. Close any files previously opened internally.
  2. Unload any EXTRACT exit routines that were dynamically loaded.
  3. Invoke the termination exit routine, if supplied.
  4. Return control to the invoker of the utility.

FCT or RDT
: The CSD utility cannot unload the table, and terminates the processing of the utility command.

User Response: Refer to the preceding MVS message which should specify the reason for the failure.

If your FCT or TCT assembly and link-editing is successful, the FCT or RDT should be in the library. The LD is in the load library of the supplied pregenerated CICS system.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5603 E UNABLE TO LOCATE THE *{FCT | RDT | LD | DCT}* **TABLE NAMED** *table***.**

Explanation: Table *table* cannot be located.

System Action: The system action depends on the type of table specified.

LD
: DFHCSDUP cannot process the command. The utility attempts to:
  1. Close any files previously opened internally.
  2. Unload any EXTRACT exit routines that were dynamically loaded.
  3. Invoke the termination exit routine, if supplied.
  4. Return control to the invoker of the utility.

FCT, RDT or DCT
: The CSD utility cannot locate the table, and terminates the processing of the utility command.

User Response: Determine the reason for the failure.

If your FCT, TCT or DCT assembly and link-editing is successful, the FCT, RDT or DCT should be in the library. The LD is in the load library of the supplied pregenerated CICS system.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5604 E UNABLE TO OBTAIN STORAGE FOR THE CROSS-REFERENCE TABLE NAMED *table*.

Explanation: DFHCSDUP was unable to obtain storage for table *table*.

System Action: DFHCSDUP cannot process the command.

If commands are being read from a SYSIN data stream, subsequent commands (except LIST) are checked for syntax only. (If the primary CSD file cannot be opened, LIST is not processed either.)

If commands are being read from a get-command exit, DFHCSDUP attempts to process subsequent commands.

User Response: Increase the region size and retry the command.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5605 E DISALLOWED CHARACTER IN GROUP OR LIST NAME *object*.

Explanation: The call to module DFHDMP has failed to construct a valid key for the record created on the CSD file. This is because the group or list name contains an invalid character.

System Action: A CSD record is not created for this definition. (If it is a transaction, a generated profile is not created either.)

User Response: Use the CEDA transaction to define the resource with a valid name.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5606 S COMMAND IS NOT EXECUTED. UNABLE TO LOAD THE SERVICE MODULE *progname*.

Explanation: The service module, *progname*, cannot be loaded due to insufficient storage.

System Action: Utility command execution is terminated. If commands are being read from a SYSIN data stream by the utility, then subsequent commands are checked for syntax only.

User Response: Retry the utility command with an increased region size.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5607 S COMMAND IS TERMINATED. AN ERROR OCCURRED WHILE READING THE FIRST SECONDARY CSD RECORD.

Explanation: An I/O error has occurred on the secondary CSD file.

System Action: The SERVICE command is terminated. If commands are being read from a SYSIN data stream by the utility, then subsequent commands are checked for syntax only.

User Response: Check that the input and output data sets have been correctly defined, and that the DDNAME for the secondary CSD file in the JCL corresponds to the FROMCSD parameter in the SERVICE utility command.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5608 S COMMAND IS TERMINATED. AN ERROR OCCURRED WHILE READING A SECONDARY CSD RECORD.

Explanation: An I/O error has occurred on the secondary CSD file.

System Action: The SERVICE command is terminated. If commands are being read from a SYSIN data stream by the utility, then subsequent commands are checked for syntax only.

User Response: Check that the input and output data sets have been correctly defined, and that the DDNAME for the secondary CSD file in the JCL corresponds to the FROMCSD parameter in the SERVICE utility command.

If the problem persists, try to obtain a print out of the CSD, using either IDCAMS or the DFHCSDUP LIST ALL option. The LIST will indicate where errors have occurred because they will not print and are therefore easily identifiable.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5609 S COMMAND IS TERMINATED. AN ERROR OCCURRED WHILE WRITING A PRIMARY CSD RECORD.

Explanation: An I/O error has occurred on the primary CSD file.

System Action: The SERVICE command is terminated. If commands are being read from a SYSIN data stream by the utility, then subsequent commands are checked for syntax only.

User Response: Retry the command, ensuring that a sufficiently large data set is specified for the output (primary) CSD file.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5611 E COMMAND NOT EXECUTED. *parameter* **PARAMETER MUST BEGIN WITH 'DFH'.**

Explanation: In a CSD utility MIGRATE command, the specified parameter contained an invalid table name or group name.

System Action: The utility does not process the command.

User Response: Resubmit the MIGRATE command with a valid table name or group name.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5612 I *resource object* **IN GROUP** *grpname* **IS UNCHANGED.**

Explanation: A resource definition existed in both source and target groups. Based on the CSD utility commands submitted, the utility has replaced the resource definition in the target group.

System Action: Normal utility processing continues.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5613 E UNABLE TO LOCATE THE LIBRARY MEMBER *member***.**

Explanation: The member is not in the libraries named in the JCL.

System Action: The utility terminates processing of the command that required access to library member *member*.

User Response: Ensure that the member is correctly link-edited into the library and resubmit the job.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5614 E UNABLE TO LOAD THE LIBRARY MEMBER *member***.**

Explanation: DFHCSDUP could not load library member *member*.

System Action: The utility terminates processing of the command that required access to the library member.

User Response: Ensure that the member is correctly link-edited into the library and resubmit the job.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5617 S COMMAND IS TERMINATED. AN UNRECOGNIZED TYPE OF RECORD WAS ENCOUNTERED WHILE SECONDARY CSD WAS BEING READ.

Explanation: The record-type field of an input CSD record is invalid.

System Action: The SERVICE command is terminated. If commands are being read from a SYSIN data stream by the utility, then subsequent commands are checked for syntax only.

User Response: Check that the input and output data sets have been correctly defined, and that the DDNAME for the secondary CSD file in the JCL corresponds to the FROMCSD parameter in the SERVICE utility command.

If the problem persists, try to obtain a print out of the CSD, using either IDCAMS or the DFHCSDUP LIST ALL option. The LIST will indicate where errors have occurred because they will not print and are therefore easily identifiable.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5618 I AN ATTENTION INTERRUPT WAS REQUESTED DURING DFHCSDUP EXECUTION.

Explanation: An attention interrupt has been requested while DFHCSDUP is executing in a TSO environment.

System Action: Normal utility processing continues.

Control is passed to a put-message exit if one has been specified on the extended entry linkage. Refer to the CICS Customization Guide for more information about put-message exits.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5619 W AN INVALID VALUE OF THE PAGESIZE PARAMETER HAS BEEN SPECIFIED. THE DEFAULT VALUE OF 60 LINES PER PAGE WILL BE USED.

Explanation: A value of the PAGESIZE parameter outside the allowed range (4–9999) has been specified.

System Action: The default value of 60 lines per page is taken.

User Response: Ensure that a valid PAGESIZE value is specified in future.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5620 E AN ILLEGAL RETURN CODE (RC= *ret-code***) HAS BEEN RETURNED FROM THE** *{INITIALIZATION | GET-COMMAND | TERMINATION}* **EXIT.**

Explanation: The specified user-exit routine has returned a disallowed return code.

System Action: Processing of the utility command is terminated. The exit is not disabled.

User Response: Investigate the specified exit routine for the cause of the illegal return code.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5621 E A NON-ZERO RETURN CODE HAS BEEN RETURNED FROM THE PUT-MESSAGE EXIT.

Explanation: The put-message exit routine has returned a disallowed return code.

System Action: Processing of the utility command is terminated and the put-message exit is disabled.

User Response: Investigate the put-message exit routine for the cause of the illegal return code.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5622 S THE SECONDARY CSD HAS BEEN CLOSED DURING CLEAN-UP PROCESSING FOLLOWING THE INTERCEPTION OF AN ABEND.

Explanation: An Abend has occurred during DFHCSDUP processing. The secondary CSD has been closed during post ABEND clean up processing.

System Action: Processing of the utility command is terminated.

User Response: Refer to prior messages for further information regarding this problem.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5623 S THE PRIMARY CSD HAS BEEN CLOSED DURING CLEAN-UP PROCESSING FOLLOWING THE INTERCEPTION OF AN ABEND.

Explanation: An abend has occurred during DFHCSDUP processing. The primary CSD has been closed during post ABEND clean up processing.

System Action: Processing of the utility command is terminated.

User Response: Refer to prior messages for further information regarding this problem.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5624 S THE EXTRACT EXIT PROGRAM HAS BEEN UNLOADED DURING CLEAN-UP PROCESSING FOLLOWING THE INTERCEPTION OF AN ABEND.

Explanation: An abend has occurred during the processing of an EXTRACT command. The extract exit program specified on the USERPROGRAM keyword of the EXTRACT utility command has been unloaded during post-abend clean-up processing.

System Action: The EXTRACT command is terminated.

User Response: Refer to prior messages for further information regarding the problem.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCSDUP

DFH5625 THE USER PROGRAM HAS PASSED AN INVALID DDNAME PARAMETER FOR *ddname* TO DFHCSDUP.

Explanation: The user program has supplied an alternative *ddname* as a parameter for either DFHCSD, SYSIN or SYSPRINT. The alternative ddname is invalid because it begins with a blank.

System Action: The default DDNAME is used instead.

User Response: Correct the invalid DDNAME parameter.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHCSDUP

DFH5630 W NO IBM SUPPLIED DEFINITION FOUND FOR *resourcetype resourcename*.

Explanation: While performing a SCAN command, the named resource type was not found in the CSD file on any of the IBM supplied groups. Note that compatibility groups are not used for the SCAN command.

System Action: The utility continues.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHCSDUP

DFH5631 I *resourcetype resourcename* IN GROUP *groupname1* MATCHES THE IBM SUPPLIED DEFINITION IN GROUP *groupname2*.

Explanation: While performing a SCAN command, the resource *resourcetype* name *resourcename* was found in group *groupname1* and it matches the IBM supplied definition in group *groupname2*

System Action: The utility continues.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHCSDUP

DFH5632 I *resourcetype resourcename* IN GROUP *groupname1* DOES NOT MATCH THE IBM SUPPLIED DEFINITION IN GROUP *groupname2*.

Explanation: While performing a SCAN command, the resource *resourcetype* name *resourcename* was found in group *groupname1* and it does not match the IBM supplied definition in group *groupname2*

System Action: The utility continues.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHCSDUP

DFH5633 I *resourcetype resourcename* **FOUND IN GROUP** *groupname***.**

Explanation: While performing a SCAN command, the resource *resourcetype* name *resourcename* was found in group *groupname*. No IBM supplied definition was found to perform a compare against.

System Action: The utility continues.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHCSDUP

DFH5634 W *resourcetype resourcename* **NOT FOUND IN USER GROUPS.**

Explanation: While performing a SCAN command, the resource *resourcetype* name *resourcename* was not found in any user groups.

System Action: The utility continues.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHCSDUP

DFH7xxx (DFHExP) command-level translator diagnostic messages

Diagnostic messages may be issued by the command-level translator (DFHEAP for assembler language, DFHECP for COBOL, DFHEDP for C, and DFHEPP for PL/I) in the course of processing programs written in assembler language, COBOL, C, or PL/I. Assembler-language messages are inserted as macro notes (MNOTES) in the translator output file and can be seen by either printing or assembling the translator output file.
COBOL, C, and PL/I messages are delivered to SYSPRINT.
The same diagnostics are issued by the command-level interpreter, by the master terminal transaction (CEMT), and by CEDA.

A diagnostic message can have three components: a message number, a severity code, and message text. Each message is of the form DFH7*nnnI c line text* where

- *nnn* is a number,
- *I* is the information message identifier,
- *c* is the severity code
- *line* is the line number of the error and
- *text* is the text of the message.

In assembler language, COBOL, C, and PL/I, diagnostic messages can be allocated a severity code. This severity code is represented by a letter that, if present, will appear in the message immediately following the message number and preceding the message text. There are five levels of severity. Those for assembler language, C and PL/I are different from those for COBOL. The meanings of the codes and the associated return codes for the languages are as follows:

Assembler, C or PL/I	Return code	COBOL
U = Unrecoverable	16	D = Disaster
S = Severe	12	E = Error
E = Error	8	C = Conditional
W = Warning	4	W = Warning
I = Information	0	I = Information

The message text consists of the message itself, which may or may not include inserts. The inserts are positions within the message text where, in the actual message, specific information is given on the reasons for the diagnostic message. Not all the diagnostic messages, however, require inserts.
Messages issued by the command-level translator are usually self-explanatory, and DFH7000 is an **example** of this type of message.

DFH7000I LISTING FILE CANNOT BE OPENED

Explanation: The listing data set was not opened.

System Action: The command-level translator is abnormally terminated. A dump is produced if a SYSABEND or SYSUDUMP DD statement has been provided.

User Response: Ensure the JCL is correct, or determine what is causing the error and preventing opening.

Destination: Console

Module(s): DFHEAP (for assembler language), DFHECP (for COBOL), DFHEDP (for C), DFHEPP (for PL/I)

DFHACxxxx (DFHACP) messages

DFHAC2001 *date time applid* **Transaction '***tranid***' is not recognized. Check that the transaction name is correct.**

Explanation: Either transaction *tranid* does not exist as an installed transaction definition, or it is disabled, or it contains invalid characters.

Note that destination CSMT is used for non-terminal transactions only.

System Action: Processing continues.

User Response: Enter a valid transaction identifier.

Destination: CSMT and Terminal End User

Module: DFHACP

XMEOUT Parameters: *date, time, applid, tranid*

DFHAC2002 *date time applid* **To use this transaction** *tranid* **you must sign on or have the right security level.**

Explanation: You are signed on using the default *userid* but this *userid* does not have access to the requested transaction.

System Action: CICS does not initialize the invoked transaction. Other processing continues and message DFHAC2003 is sent to destination CSMT.

User Response: Sign on with an authorized *userid*.

Destination: Terminal End User

Module: DFHACP

DFHAC2003 *date time applid* **Security violation has been detected term id =** *termid***, trans id =** *tranid***, userid =** *userid***.**

Explanation: The operator with user ID *userid* has invoked a transaction *tranid* at terminal *termid* for which the operator is not authorized.

System Action: CICS does not initialize the invoked transaction. Other CICS processing continues and either message DFHAC2002 or DFHAC2033 is sent to the terminal operator.

User Response: Refer to the *userid* in the preceding message, DFHXS1111 on the CSCS log, to determine the identity of the person trying to invoke transaction *tranid* and the reason for the attempt.

Destination: CSMT

Module: DFHACP

XMEOUT Parameters: *date, time, applid, termid, tranid, userid*

DFHAC2004 *time applid* **Transaction** *tranid* **has failed with abend AKCC. Resource backout was successful.**

Explanation: Transaction tranid is abnormally terminated with abend AKCC.

System Action: The transaction (task) is purged.

User Response: Resubmit the transaction.

Destination: Terminal End User

Module: DFHTFP

DFHAC2005 *time applid* **Transaction** *tranid* **has failed with abend** *abcode***.**

Explanation: Transaction *tranid* has been defined with INDOUBT(WAIT) or INDOUBT(COMMIT) and has been in communication with a partner APPC system. A session failure has occurred while the session was INDOUBT during an explicit or implicit syncpoint. An immediate resync was attempted but could not be completed.

System Action: The task is abnormally terminated with a transaction dump. Unless overridden, APPC resynchronization is retried when the remote system is available.

User Response: For more information, see the abend code *abcode*. If necessary, resubmit the transaction after the cause of the abend has been removed.

Destination: Terminal End User

Module: DFHACP

DFHAC2006 *date time applid* **Transaction** *tranid* **program** *program name* **abend** *primary abcode* **at** *termid***.**

Explanation: The system was unable to execute transaction *tranid*. *termid* identifies the terminal which initiated transaction *tranid*. If there is no associated terminal, *termid* appears as "????." Program *progname* is the highest level program and is taken from the installed program definition. *abcode* is the CICS abend code.

System Action: The task is abnormally terminated with a dump.

User Response: Refer to abend code *abcode* for further information and guidance on how to solve the problem. If the code is not available, it is a user code generated by an EXEC CICS ABEND ABCODE(*abcode*) command. This command has been issued by a user program or by an IBM program (for example, a programming language library module).

Destination: CSMT

Module: DFHACP

XMEOUT Parameters: *date, time, applid, tranid, program name, primary abcode, termid*

DFHAC2007 *date time applid* **Transaction** *tranid* **cannot run as CICS shutdown is in progress.**

Explanation: Transaction *tranid* cannot be run during system quiesce.

System Action: The system is in quiesce mode.

Note that destination CSMT is used for non-terminal transactions only.

User Response: Re-enter the transaction when CICS is in normal execution mode, or place an entry for this transaction in the transaction list table (XLT).

Destination: CSMT and Terminal End User

Module: DFHACP

XMEOUT Parameters: *date, time, applid, tranid*

DFHAC2008 *date time applid* **Transaction** *tranid* **has been disabled and cannot be used.**

Explanation: Terminal *tranid* has been disabled.

Note that destination CSMT is used for non-terminal transactions only.

System Action: Other processing continues.

User Response: Notify the programmer responsible for this area that transaction *tranid* has been disabled.

Destination: CSMT and Terminal End User

Module: DFHACP

XMEOUT Parameters: *date, time, applid, tranid*

DFHAC2009 *date time applid* **Invalid non-terminal transaction** *tranid***.**

Explanation: Transaction *tranid* has been entered. No terminal is associated with this transaction. It may be that transaction *tranid* is a disabled transaction, or is one that cannot be run during system quiesce. Alternatively, an invalid transaction identifier may have been entered.

System Action: Other processing continues.

User Response: Determine and correct the reason for transaction *tranid*'s invalidity.

Destination: CSMT

Module: DFHACP

XMEOUT Parameters: *date, time, applid, tranid*

DFHAC2010 *time applid* **Transaction** *tranid* **is not executable on terminal** *termid***.**

Explanation: A conflict has been detected between the options specified for transaction *tranid*'s definition and those specified on terminal *termid*'s DFHTCT table entry. For example, transaction *tranid* is reserved for the use of VTAM terminals but the input came from a non-VTAM terminal.

System Action: The input is ignored.

User Response: If transaction *tranid* is to be entered from terminal *termid*, ensure that the installed transaction definition value of DVSUPRT is compatible with the DFHTCT entry.

Destination: Terminal End User

Module: DFHACP

DFHAC2012 *date time applid* **Remote transaction** *tranid* **cannot be run on the local system.**

Explanation: Transaction *tranid* is specified as remote. An attempt to route the transaction to a remote system failed either because there is no MRO/ISC defined in the running CICS system, or because the remote system name specified in the definition of the transaction is the same as that of the local system.

Note that destination CSMT is used for nonterminal transactions only.

System Action: The task is abnormally terminated.

User Response: Ensure that:

- MRO/ISC support is correctly defined
- The remote transaction definition is correct.

Destination: CSMT and Terminal End User

Module: DFHACP

XMEOUT Parameters: *date, time, applid, tranid*

DFHAC2014 *date time applid* **Transaction** *tranid* **is not executable because system** *sysid* **is not available.**

Explanation: Transaction *tranid* is specified as remote. An attempt to route the transaction to a remote system failed because the link is out of service.

Note that destination CSMT is used for non-terminal transactions only.

System Action: CICS continues.

User Response: Wait until the link is available.

Destination: CSMT and Terminal End User

Module: DFHACP

XMEOUT Parameters: *date, time, applid, tranid, sysid*

DFHAC2015 *date time applid* **Console** *consname* **has not been defined to CICS. Input is ignored.**

Explanation: The console operator at the console named *consname* has directed a MODIFY command to the CICS region, but no terminal definition for that console is installed in the region, and autoinstall for consoles is not enabled.

System Action: The MODIFY command from the console is ignored.

User Response: Notify the system programmer, who should use RDO to DEFINE and INSTALL a console definition that matches the name of the console, or enable autoinstall for consoles.

Destination: CSMT and Terminal End User

Modules: DFHACP, DFHZATA2

XMEOUT Parameters: *date, time, applid, consname*

DFHAC2016 *date time applid* **Transaction** *tranid* **cannot run because program** *program name* **is not available.**

Explanation: Transaction *tranid* is not executable because the initial program for transaction *tranid* is not available. Possible reasons for this are:

1. The program is missing.
2. The installed program definition is missing.
3. The program is disabled.
4. The program name in the installed transaction definition is invalid.
5. The installed transaction has been defined as remote and therefore has no program name, but the name of the remote system is the same as that of the local system.

Note that destination CSMT is used for non-terminal transactions only.

System Action: Other processing continues.

User Response: Determine the cause of the error using the list given in the **Explanation**. The response depends on the reason as follows:

1. Load the program into the CICS program library.
2. Create an installed program definition for the program.
3. Enable the program.
4. Use a valid program name in the installed transaction definition.
5. Carry out whichever of the following is appropriate:
   - Use a local version of this transaction.
   - Use the correct remote version of this transaction.
   - Logon to the correct system and retry the transaction.

Destination: CSMT and Terminal End User

Module: DFHACP

XMEOUT Parameters: *date, time, applid, tranid, program name*

DFHAC2017 *date time applid* **Transaction** *tranid* **cannot run because terminal profile** *profname* **for the transaction is not available.**

Explanation: Transaction *tranid* is not executable because the terminal profile for the transaction is not available. This is because it has not been defined, or it has not been installed.

Note that destination CSMT is used for non-terminal transactions only.

System Action: Other processing continues.

User Response: Notify the system programmer or system administrator.

Destination: CSMT and Terminal End User

Module: DFHACP

XMEOUT Parameters: *date, time, applid, tranid, profname*

DFHAC2018 *date time applid* **An unrecognized Process Initialization Parameter (PIP) has been received in ATTACH for transaction** *tranid***.**

Explanation: CICS has received an LU type 6.2 attach header with invalid process initialization parameters (PIPs).

Note that destination CSMT is used for non-terminal transactions only.

System Action: CICS rejects the attach request.

User Response: Inspect the received PIP data and its associated generalized data stream (GDS) header to determine why the parameters are invalid.

Destination: CSMT and Terminal End User

Module: DFHACP

XMEOUT Parameters: *date, time, applid, tranid*

DFHAC2019 *date time applid* **Transaction** *tranid* **does not support unmapped conversations.**

Explanation: Transaction *tranid* received an attach request that required the use of the generalized data stream (GDS) to access unmapped conversations, but transaction *tranid* does not support the use of the GDS interface.

System Action: CICS rejects the attach request.

Note that destination CSMT is used for non-terminal transactions only.

User Response: Inspect the subsystem that sent the attach header to see if the correct transaction was requested. If the request was correct, check the CICS transaction definition.

Destination: CSMT and Terminal End User

Module: DFHACP

XMEOUT Parameters: *date, time, applid, tranid*

DFHAC2020 *time applid* **The conversation type requested by node** *netname* **was not recognized.**

Explanation: CICS received a conversation-type field in an attach header that was not TYPE=MAPPED or TYPE=UNMAPPED.

System Action: The attach request is rejected.

User Response: Notify the system programmer. The validity of the attach function management header (FMH) should be checked and the cause of the error identified.

Destination: Terminal End User

Module: DFHACP

DFHAC2021 *time applid* **An unsupported Data Blocking Algorithm (DBA) field in the attach Function Management Header (FMH) has been received from node** *netname***.**

Explanation: The received attach header contained a value for the reserved data blocking algorithm (DBA) field.

System Action: The attach request is rejected.

User Response: Notify the system programmer. The validity of the attach function management header (FMH) should be checked and the cause of the error identified.

Destination: Terminal End User

Module: DFHACP

DFHAC2022 *date time applid* **Transaction** *tranid* **has initiated an incorrect sync point level request.**

Explanation: The requested Synclevel does not match the synclevel negotiated in the Bind request, or Synclevel 2 was requested, but Lognames were not exchanged.

Note that destination CSMT is used for non-terminal transactions only.

System Action: The attach request is rejected.

User Response: Notify the system programmer. The subsystem that sent the attach header should be inspected to determine that the correct transaction was requested. If it was, the CICS transaction definition should be checked.

Destination: CSMT and Terminal End User

Module: DFHACP

XMEOUT Parameters: *date, time, applid, tranid*

DFHAC2023 *time applid* **An invalid sync point level has been requested by node** *netname***.**

Explanation: The synchronization level requested in the attach header is invalid for the session being used.

System Action: The attach request is rejected.

User Response: Notify the system programmer. The validity of the attach function management header (FMH) should be checked and the cause of the error identified. The value of the synchronization level in the attach header and the bind should be compared.

Destination: Terminal End User

Module: DFHACP

DFHAC2024 *date time applid* **A request from node** *netname* **has invalid security parameters.**

Explanation: The received attach header did not match the required security parameters specified in the bind.

Note that destination CSMT is used for non-terminal transactions only.

System Action: The attach request is rejected.

User Response: Notify the system programmer. The validity of the attach function management header (FMH) should be checked and the cause of the error identified. The value of the ACC requirements in the attach header and the bind should be compared.

Destination: CSMT

Module: DFHACP

XMEOUT Parameters: *date, time, applid, netname*

DFHAC2025 *time applid* **An invalid Unit of Work Identification (UOWID) has been supplied by node** *netname***.**

Explanation: The received attach header contained an invalid unit of work ID (UOWID). Either the format was wrong, or no UOWID was received when the sync point level required it. This error may also be raised if no conversation correlator is supplied when it is needed.

System Action: The attach request is rejected.

User Response: Notify the system programmer. The validity of the attach function management header (FMH) should be checked and the cause of the error identified. The value of the UOWID/conversation correlator and the sync point level in the attach header should be compared.

Destination: Terminal End User

Module: DFHACP

DFHAC2026 *time applid* **An invalid Function Management Header (FMH) has been supplied by node** *netname***.**

Explanation: The length field in the attach header was invalid.

System Action: The attach request is rejected.

User Response: Notify the system programmer. The validity of the attach function management header (FMH) should be checked and the cause of the error identified.

Destination: Terminal End User

Module: DFHACP

DFHAC2027 *date time applid* **Transaction** *tranid* **does not support conversation restart.**

Explanation: CICS will not accept LU type 6.2 attach headers with restart requested.

Note that destination CSMT is used for non-terminal transactions only.

System Action: The attach request is rejected.

User Response: Notify the system programmer. The subsystem that sent the attach header should be inspected to determine why restart was requested.

Destination: CSMT and Terminal End User

Module: DFHACP

XMEOUT Parameters: *date, time, applid, tranid*

DFHAC2028 *date time applid* **Transaction** *tranid* **cannot be used and has been ignored.**

Explanation: The transaction code CSAC or CESC, was entered from a terminal. This is not allowed.

System Action: If the transaction is CSAC, the transaction is run with no effect. If the transaction is CESC, the transaction is abnormally terminated with abend code ATOA.

User Response: Ensure that these transactions are not entered from a terminal.

Destination: CSMT and Terminal End User

Module: DFHACP

XMEOUT Parameters: *date, time, applid, tranid*

DFHAC2029 *date time applid* **Transaction** *tranid* **is not executable. The system specified by the dynamic routing program is unavailable.**

Explanation: Transaction *tranid* is specified as remote AND dynamic. An attempt to dynamically route transaction *tranid* to the remote system specified by the dynamic routing program has failed because the link is out of service.

Note that destination CSMT is used for non-terminal transactions only.

System Action: CICS continues.

User Response: Wait until the link becomes available, then try to dynamically route the transaction again.

Destination: CSMT and Terminal End User

Module: DFHACP

XMEOUT Parameters: *date, time, applid, tranid*

DFHAC2030 *date time applid* **All sessions are busy. Please try again.**

Explanation: Transaction *tranid* is specified as remote AND dynamic. An attempt to dynamically route transaction *tranid* to the remote system specified by the dynamic routing program has failed because no sessions are immediately available.

Note that destination CSMT is used for non-terminal transactions only.

System Action: CICS continues.

User Response: Wait until a session becomes available, then try to dynamically route the transaction again.

Destination: CSMT and Terminal End User

Module: DFHACP

XMEOUT Parameters: *date, time, applid*

DFHAC2031 *date time applid* **Automatic signon of operator of console** *consname* **has failed.**

Explanation: The console operator at the console named *consname* has directed a MODIFY command to the CICS region, and the console was defined with USERID(*FIRST) or USERID(*EVERY). When CICS tried to signon the operator automatically, the signon was rejected.

System Action: The MODIFY command from the console is ignored.

User Response: Contact the system programmer to give the userid in use at the console (which is identified in other messages on the log), the correct access to this console using RACF (or an equivalent External Security manager).

Destination: CSML and Terminal End User

Modules: DFHACP, DFHZATA2

XMEOUT Parameters: *date, time, applid, consname*

DFHAC2032 *date time applid* **CICS autoinstall for console** *consname* **has failed.**

Explanation: The console operator at the console named *consname* has directed a MODIFY command to the CICS region, but no terminal definition for that console is installed in the region, and an autoinstall for it has failed.

System Action: The MODIFY command from the console is ignored.

User Response: Notify the system programmer, who should investigate the failure by looking for abends and messages on the log of the CICS system.

Destination: CSML

Modules: DFHACP, DFHZATA2

XMEOUT Parameters: *date, time, applid, consname*

DFHAC2033 *time applid* **You are not authorized to use transaction** *tranid***. Check that the transaction name is correct.**

Explanation: Either an operator has attempted to execute transaction *tranid* while not authorized, or another transaction attempted to start transaction *tranid*, which was not authorized for this terminal.

System Action: Other processing continues. Message DFHAC2003 is sent to CSMT.

User Response: Either determine why the operator was trying to execute transaction *tranid* or enter an authorized transaction identifier.

Destination: Terminal End User

Module: DFHACP

DFHAC2034 *time applid* **CICS Logic Error. An invalid error code has been passed to DFHACP. Transaction:** *tranid* **Terminal:** *termid***.**

Explanation: An invalid error code has been passed to DFHACP.

System Action: Transaction *tranid* is terminated with a transaction dump. The dump code is AACA. Message DFHAC2035 is sent to the CSMT.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: Terminal End User

Module: DFHACP

DFHAC2035 *date time applid* **An invalid error code has been passed to DFHACP. Transaction** *tranid* **is terminated. Terminal** *termid***.**

Explanation: An invalid error code has been passed to DFHACP.

System Action: Transaction *tranid* is terminated with a transaction dump. A transaction dump is taken. The dump code is AACA. Message DFHAC2034 is sent to the terminal user.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CSMT

Module: DFHACP

XMEOUT Parameters: *date, time, applid, tranid, termid*

DFHAC2036 *date time applid* **Transaction** *tranid* **has failed with abend AKCC. Resource backout was successful.**

Explanation: Transaction tranid has abended AKCC.

System Action: The transaction (task) is purged.

User Response: Resubmit the transaction later.

Destination: CSMT

Module: DFHTFP

XMEOUT Parameters: *date, time, applid, tranid*

DFHAC2037 *date time applid* **Transaction** *tranid* **is not executable on terminal** *termid***.**

Explanation: A conflict has been detected between the options specified for transaction *tranid*'s definition and those specified on terminal *termid*'s DFHTCT table entry. For example, transaction *tranid* is reserved for the use of VTAM terminals but the input came from a non-VTAM terminal.

System Action: The input is ignored.

User Response: If transaction *tranid* is to be entered from terminal *termid*, ensure that the installed transaction definition value of DVSUPRT is compatible with the DFHTCT entry.

Destination: CSMT

Module: DFHACP

XMEOUT Parameters: *date, time, applid, tranid, termid*

DFHAC2038 *date time applid* **The conversation type requested by node** *netname* **was not recognized.**

Explanation: CICS received a conversation-type field in an attach header that was not TYPE=MAPPED or TYPE=UNMAPPED.

System Action: The attach request is rejected.

User Response: Notify the system programmer. The validity of the attach function management header (FMH) should be checked and the failing subsystem identified.

Destination: CSMT

Module: DFHACP

XMEOUT Parameters: *date, time, applid, netname*

DFHAC2039 *date time applid* **An unsupported Data Blocking Algorithm (DBA) field in the attach Function Management Header (FMH) has been received from node** *netname***.**

Explanation: The received attach header contained a value for the reserved data blocking algorithm (DBA) field.

System Action: The attach request is rejected.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Notify the system programmer. Check the validity of the attach function management header (FMH), and identify the failing subsystem.

Destination: CSMT

Module: DFHACP

XMEOUT Parameters: *date, time, applid, netname*

DFHAC2040 *date time applid* **An invalid sync point level has been requested by node** *netname***.**

Explanation: The synchronization level requested in the attach header is invalid for the session being used.

System Action: The attach request is rejected.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Notify the system programmer. Check the validity of the attach function management header (FMH), and identify the failing subsystem. Compare the value of the synchronization level in the attach header and the bind.

Destination: CSMT

Module: DFHACP

XMEOUT Parameters: *date, time, applid, netname*

DFHAC2041 *date time applid* **An invalid Unit of Work Identification (UOWID) has been supplied by node** *netname***.**

Explanation: The received attach header contained an invalid unit of work ID (UOWID). Either the format was wrong, or no UOWID was received when the sync point level required it. This error may also be raised if no conversation correlator is supplied when it is needed.

System Action: The attach request is rejected.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Notify the system programmer. The validity of the attach function management header (FMH) should be checked

and the failing subsystem identified. The value of the UOWID/conversation correlator and the sync point level in the attach header should be compared.

Destination: CSMT

Module: DFHACP

XMEOUT Parameters: *date, time, applid, netname*

DFHAC2042 *date time applid* **An invalid Function Management Header (FMH) has been supplied by node** *netname***.**

Explanation: The length field in the attach header was invalid.

System Action: The attach request is rejected.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Notify the system programmer. Check the validity of the attach function management header (FMH), and identify the failing subsystem.

Destination: CSMT

Module: DFHACP

XMEOUT Parameters: *date, time, applid, netname*

DFHAC2043 *date time applid* **Transaction has been rejected - CICS system is being recovered. Please wait for completion of recovery.**

Explanation: A request to initiate a transaction was received while the CICS system was in the process of recovering the session following an XRF takeover or persistent sessions restart. The error is detected by DFHZSUP, which then drives DFHACP to issue this message.

Note that destination CSMT is used for non-terminal transactions only.

System Action: Depending upon the recovery notification requested for this terminal, the system will send either the recovery message or initiate the recovery transaction specified on the RECOVNOTIFY option of the typeterm definition for this terminal (see the *CICS Resource Definition Guide* for details).

User Response: After the recovery notification has been received, the user is able to continue operations.

Destination: CSMT and Terminal End User

Module: DFHACP

XMEOUT Parameters: *date, time, applid*

DFHAC2044 *date time applid* **An error occurred while trying to send SYNCPOINT ROLLBACK to terminal** *termid***.**

Explanation: An attempt was made to send a SYNCPOINT ROLLBACK request. A nonzero return code was received by the sender of the request.

System Action: ABORT processing is initiated for terminal *termid*.

User Response: Notify the system programmer. Use trace to find the value of the return code from the SYNCPOINT ROLLBACK request. For IRC, the meaning of the return code can be found in the *CICS Data Areas* manual.

Destination: CSMT

Module: DFHZIS1

XMEOUT Parameters: *date, time, applid, termid*

DFHAC2045 *date time applid* **CICS autoinstall for console** *consname* **was rejected by the autoinstall control program.**

Explanation: The console operator at the console named *consname* has directed a MODIFY command to the CICS region, but no terminal definition for that console is installed in the region, and an autoinstall for it has failed because the autoinstall program has rejected the install request.

System Action: The MODIFY command from the console is ignored.

User Response: Notify the system programmer, who should alter the autoinstall program to allow this console to be installed.

Destination: CSMT

Modules: DFHACP, DFHZATA2

XMEOUT Parameters: *date, time, applid, consname*

DFHAC2047 *date time applid* **While performing an attach for node** *netname* **a security violation was detected.**

Explanation: A request to attach a remote transaction failed due to a security problem. The security fields extracted from the Attach FMH5 were passed to the Security Domain to signon the user in the remote system, but the signon call failed.

System Action: The attach request is rejected.

User Response: Examine the trace to determine the reason for the signon failure. Check that if the userid, password or profile are passed on the Attach FMH5, then they are valid.

Destination: CSMT and Terminal End User

Module: DFHACP

XMEOUT Parameters: *date, time, applid, netname*

DFHAC2050 *time applid* **An invalid function management header (FMH) has been supplied by node** *netname***.**

Explanation: The access security information length field in the attach header is invalid.

System Action: An exception trace entry containing the invalid FMH5 is issued. The attach request is rejected.

User Response: Notify the system programmer. Check the validity of the attach function management header and identify the cause of the error.

Destination: Terminal End User

Module: DFHACP

DFHAC2051 *date time applid* **An invalid Function Management Header (FMH) has been supplied by node** *netname***.**

Explanation: The Access Security Information length field in the attach header was invalid.

System Action: An exception trace entry containing the invalid FMH5 has been issued. The attach request is rejected.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Notify the system programmer. Check the validity of the attach function management header (FMH), and identify the failing subsystem.

Destination: CSMT

Module: DFHACP

XMEOUT Parameters: *date, time, applid, netname*

DFHAC2052 *time applid* **While performing an attach for node** *netname* **a security violation was detected.**

Explanation: A password was required in the attach FMH5, but was missing. A user ID was found, however, because the attach did not specify already verified (AV) or persistent signed-on (PV1), a password should have been present.

System Action: An exception trace entry is issued tracing the invalid FMH5. The attach request is rejected.

User Response: Notify the system programmer. Inspect the subsystem that sent the attach header to determine why the password was not sent.

Destination: Terminal End User

Module: DFHACP

DFHAC2053 *date time applid* **While performing an attach for node** *netname* **a security violation was detected.**

Explanation: A password was required in the attach FMH5, but was missing. A user ID was found, however, since the attach did not specify already verified (AV) or persistent signed-on (PV1), a password should have been present.

System Action: An exception trace entry is issued tracing the invalid FMH5. The attach request is rejected.

User Response: Notify the system programmer. Inspect the subsystem that sent the attach header to determine why the password was not sent.

Destination: CSMT

Module: DFHACP

XMEOUT Parameters: *date, time, applid, netname*

DFHAC2054 *time applid* **You are not authorized to access this system.**

Explanation: The attach header that was sent to the remote system did not match the required security parameters specified in the bind.

System Action: The attach request is rejected by the remote system and the session is unbound. The remote system issues messages DFHAC2055 on CSMT and DFHZC4946 on CSNE.

User Response: Inform the system programmer. Investigate the reason why the attach request failed. See messages DFHAC2055 on CSMT and DFHZC4946 on CSNE issued by the remote system for more diagnostic information.

Destination: Terminal End User

Module: DFHACP

DFHAC2055 *date time applid* **An attach request from node** *netname* **has sent BIND/FMH5 security data that is invalid.**

Explanation: A request to attach a task has been received across an APPC link. However, there is an error in the FMH attach parameters. An attach parameter is present that is not authorized by the bind security indicators.

System Action: The attach request is rejected and the session is unbound. An exception trace point (number 1737) for component TF is issued, tracing the invalid attach header (FMH type 5). Message DFHZC4946 on CSNE contains sense information to help identify the reason for the failure.

User Response: Investigate the cause of the error which is in the remote system. Use the FMH5 in the exception trace, to determine why the remote system sent an invalid attach request.

Destination: CSMT

Module: DFHACP

XMEOUT Parameters: *date, time, applid, netname*

DFHAC2056 *time applid* **You are not authorized to access this system.**

Explanation: The attach header that was sent to the remote system did not conform to the APPC protocol.

System Action: The attach request is rejected by the remote system and the session is unbound. The remote system will produce messages DFHAC2057 on CSMT and DFHZC4947 on CSNE.

User Response: Inform the system programmer. Investigate the reason why the attach request failed. See messages DFHAC2057 on CSMT and DFHZC4947 on CSNE issued by the remote system for more diagnostic information.

Destination: Terminal End User

Module: DFHACP

DFHAC2057 *date time applid* **While performing an attach for node** *netname* **a security violation was detected.**

Explanation: A request to attach a task has been received across an APPC link. However, the FMH attach parameters do not conform to the APPC protocol.

System Action: The attach request is rejected and the session is unbound. An exception trace point (number 1737) for component TF is issued tracing the invalid attach header (FMH type 5). Message DFHZC4947 is issued.

User Response: Investigate the cause of the error which is in the remote system. Use the FMH5 in the exception trace to determine why the remote system sent an invalid attach request. See message DFHZC4947 on CSNE which contains sense information to help identify the reason for the failure.

If the remote system has an earlier release of CICS or CICS on another platform then you may need to set USEDFLTUSER. See Attach Time Security and the USEDFLTUSER option in the *CICS RACF Security Guide*.

Destination: CSMT

Module: DFHACP

XMEOUT Parameters: *date, time, applid, netname*

DFHAC2201 *time applid* **Transaction** *tranid* **has lost contact with its coordinator system during syncpoint processing and has abended with code ASP1. The unit of work is shunted until contact is restored.** *condmsg*

Explanation: An application has requested syncpoint, either via EXEC CICS SYNCPOINT or implicitly via EXEC CICS RETURN. The coordinator of the syncpoint is not this CICS system but is remote.

Transaction *tranid* has lost contact with its coordinator system during the critical period of syncpoint processing known as the 'indoubt window'.

In accordance with the transaction definition (WAIT YES), the unit of work is not completed but is allowed to wait for resynchronization with the coordinator system. The transaction is abnormally

terminated with abend code ASP1. The unit of work is shunted to await the return of the coordinator system.

If possible, a conditional message *condmsg* from the linked system is appended to this message.

System Action: Message DFHAC2231 is sent to the master terminal operator (destination CSMT). Normal abend processing continues.

User Response: None. Any updates performed by the unit of work are resolved automatically when resynchronization with the coordinator takes place.

Alternatively, the user may force resolution of the updates independently of the coordinator system by making a CEMT request to commit or to back out the unit of work.

Destination: Terminal End User

Module: DFHTFP

DFHAC2202 *time applid* **Transaction** *tranid* **has lost contact with its coordinator system during syncpoint processing and has abended with code ASPO. All updates will be unilaterally committed.** *condmsg*

Explanation: Transaction *tranid* has lost contact with its coordinator system during the critical period of syncpoint processing known as the 'indoubt window'. The transaction is abnormally terminated with abend code ASPO.

In accordance with the transaction definition (WAIT NO and ACTION COMMIT), all recoverable updates performed by the unit of work are unilaterally committed. Note that integrity of updates may be lost because the coordinator system may either commit or back out its changes.

If possible, a conditional message *condmsg* from the linked system is appended to this message.

System Action: Message DFHAC2232 is sent to the master terminal operator (destination CSMT). Normal abend processing continues.

User Response: None. In accordance with the transaction definition, all updates are unilaterally committed.

Destination: Terminal End User

Module: DFHTFP

DFHAC2203 *time applid* **Transaction** *tranid* **has lost contact with its coordinator system during syncpoint processing and has abended with code ASPP. All updates will be unilaterally backed out.** *condmsg*

Explanation: Transaction *tranid* has lost contact with its coordinator system during the critical period of syncpoint processing known as the 'indoubt window'. The transaction is abnormally terminated with abend code ASPP.

In accordance with the transaction definition (WAIT NO and ACTION BACKOUT), all recoverable updates performed by the unit of work are unilaterally backed out. Note that integrity of updates may be lost because the coordinator system may either commit or back out its changes.

If possible, a conditional message *condmsg* from the linked system is appended to this message.

System Action: Message DFHAC2233 is sent to the master terminal operator (destination CSMT). Normal abend processing continues.

User Response: None. In accordance with the transaction definition, all updates are unilaterally backed out.

Destination: Terminal End User

Module: DFHTFP

DFHAC2206 *time applid* **Transaction** *tranid* **failed with abend** *abcode***. Updates to local recoverable resources backed out.** *condmsg*

Explanation: Transaction *tranid* is abnormally terminated with abend code *abcode*. Any changes to recoverable resources in the local system that have been performed by the current unit of work are backed out.

abcode is either a CICS transaction abend code or a user abend code generated by a CICS ABEND ABCODE(*abcode*) command. This command is issued either by a user program or by an IBM program (for example, a programming language library module).

If possible, a conditional message *condmsg* from the remote system will be appended to this message.

When this message is issued in the terminal owning region because a remote transaction has failed, there may be no recoverable resources to be backed out in the local system. In this case, the conditional message tells you whether or not resources in the remote system have been backed out.

System Action: Message DFHAC2236 is sent to the master terminal operator (destination CSMT). Normal abend processing continues.

User Response: Use the abend code, *abcode*, to diagnose the problem. In a transaction routing environment, the original cause of the failure is usually indicated in the conditional message. If the abend is issued by an IBM program product other than CICS, the code is documented in the library of that other product.

Resubmit the transaction after the cause of the original abend has been removed.

Destination: Terminal End User

Module: DFHTFP

DFHAC2215 *time applid* **A CICS-generated syncpoint request has failed because a connected system has requested that the UOW be rolled back. Transaction** *tranid* **has been abnormally terminated with code ASPF.** *condmsg*

Explanation: CICS has been unable to comply with an internally generated syncpoint request because a connected system has notified it that the unit of work must be rolled back. (This may also occur as a result of a session failure or a protocol error).

Transaction *tranid* is abnormally terminated with abend code ASPF. Any changes to recoverable resources that have been performed by the current unit of work are backed out.

If possible, a conditional message *condmsg* from the linked system is appended to this message.

System Action: Message DFHAC2245 is sent to the master terminal operator (destination CSMT). Normal abend processing continues.

User Response: Determine why the connected system sent the indication to roll back the unit of work.

Resubmit the transaction after the cause of the indication to roll back has been removed.

Destination: Terminal End User

Module: DFHTFP

DFHAC2216 *time applid* **Transaction termination processing has failed because a connected system has requested that the UOW be rolled back. Transaction** *tranid* **has been abnormally terminated with code ASPN.** *condmsg*

Explanation: CICS has been unable to complete normal transaction termination processing because a connected system has notified it that the unit of work must be rolled back. (This may also occur as a result of a session failure or a protocol error).

Transaction *tranid* is abnormally terminated with abend code ASPN. Any changes to recoverable resources that have been performed by the current unit of work are backed out.

If possible, a conditional message *condmsg* from the linked system is appended to this message.

System Action: Message DFHAC2246 is sent to the master terminal operator (destination CSMT). Normal abend processing continues.

User Response: Determine why the connected system sent the indication to roll back the unit of work.

Resubmit the transaction after the cause of the indication to roll back has been removed.

Destination: Terminal End User

Module: DFHTFP

DFHAC2217 *time applid* **Transaction** *tranid* **has requested rollback, but was using a type of processing for which rollback is not supported. The transaction has been abnormally terminated with code ASP8.** *message*

Explanation: An application requested syncpoint rollback, but was using a type of processing that does not support rollback, for example LU6.1.

Transaction *tranid* is abnormally terminated with abend code ASP8. Any changes to recoverable resources that have been performed by the current unit of work will be backed out.

If possible, a conditional message *condmsg* from the linked system will be appended to this message.

System Action: Message DFHAC2247 is sent to the master terminal operator (destination CSMT). Normal abend processing continues.

User Response: Refer to the explanation of abend ASP8.

Destination: Terminal End User

Module: DFHTFP

DFHAC2218 *time applid* **Transaction** *tranid* **has failed with abend ASP7 following the failure of a local resource owner in the prepare phase of syncpoint. Updates will be backed out.** *condmsg*

Explanation: An application has requested syncpoint, either via EXEC CICS SYNCPOINT or implicitly via EXEC CICS RETURN. Resources local to this CICS system, for example files, temporary storage, or transient data, have been updated, and so the local resource owners have been sent a syncpoint request. A local resource owner has replied 'No' to a request to 'Prepare', during the two phase syncpoint protocol.

Transaction *tranid* is abnormally terminated with abend code ASP7. Any changes to recoverable resources that have been performed by the current unit of work are backed out.

If possible, a conditional message *condmsg* from the linked system is appended to this message.

System Action: Message DFHAC2248 is sent to the master terminal operator (destination CSMT). Normal abend processing continues.

User Response: Refer to the explanation of abend ASP7.

Destination: Terminal End User

Module: DFHTFP

DFHAC2219 *time applid* **Transaction** *tranid* **has failed with abend ASP7 following the failure of a remote system in the prepare phase of syncpoint. Updates will be backed out.** *condmsg*

Explanation: An application has requested syncpoint, either via EXEC CICS SYNCPOINT or implicitly via EXEC CICS RETURN. Resources remote to this CICS system, for example files, temporary storage, transient data on remote CICS systems, or database managers communicating via the RMI, have been updated, and so the remote resource owners have been sent a syncpoint request. A remote resource owner has replied 'No' to a request to 'Prepare', during the two phase syncpoint protocol.

Transaction *tranid* is abnormally terminated with abend code ASP7. Any changes to recoverable resources that have been performed by the current unit of work are backed out.

If possible, a conditional message *condmsg* from the linked system is appended to this message.

System Action: Message DFHAC2249 is sent to the master terminal operator (destination CSMT). Normal abend processing continues.

User Response: Refer to the explanation of abend ASP7.

Destination: Terminal End User

Module: DFHTFP

DFHAC2220 *time applid* **The coordinator system has indicated that the current unit of work is to be backed out. Transaction** *tranid* **has been abnormally terminated with abend ASP3.** *condmsg*

Explanation: An application has requested syncpoint, either via EXEC CICS SYNCPOINT or implicitly via EXEC CICS RETURN. The coordinator of the syncpoint is not this CICS system but is remote. During the syncpoint protocol the remote coordinator has decided that the unit of work cannot be committed and must be backed out.

Transaction *tranid* is abnormally terminated with abend code ASP3. Any changes to recoverable resources that have been performed by the current unit of work are backed out.

If possible, a conditional message *condmsg* from the linked system is appended to this message.

System Action: Message DFHAC2250 is sent to the master terminal operator (destination CSMT). Normal abend processing continues.

User Response: Refer to the remote coordinator system to discover the reason why the unit of work was backed out.

Destination: Terminal End User

Module: DFHTFP

DFHAC2221 *time applid* **Transaction** *tranid* **has failed with abend ASPQ. Syncpoint commit processing has failed while communicating with a remote system.** *condmsg*

Explanation: An application has requested syncpoint, either via EXEC CICS SYNCPOINT or implicitly via EXEC CICS RETURN. Resources remote to this CICS system such as files, temporary storage, and transient data on remote CICS systems have been updated, and so the remote resource owners have been sent a syncpoint request. A failure occurred during phase 2 of syncpoint protocol.

Transaction *tranid* has abnormally terminated with abend code ASPQ. Recoverable resources have successfully been committed but a subsequent error occurred.

If possible, a conditional message *condmsg* from the linked system is appended to this message.

System Action: Message DFHAC2251 is sent to the master terminal operator (destination CSMT). Normal abend processing continues.

User Response: Refer to the associated messages already issued by the communication components of CICS to determine the cause of the intersystem session problem.

Destination: Terminal End User

Module: DFHTFP

DFHAC2222 *time applid* **Transaction** *tranid* **has lost contact with its coordinator system during syncpoint processing. No updates have been performed by this system; it has abended with code ASPR.** *condmsg*

Explanation: An application has requested syncpoint, either via EXEC CICS SYNCPOINT or implicitly via EXEC CICS RETURN. The coordinator of the syncpoint is not this CICS system but is remote.

Transaction *tranid* has lost contact with its coordinator system during the critical period of syncpoint processing known as the 'indoubt window'. However no recoverable resources have been updated by this system, so there is no data integrity problem.

Transaction *tranid* is abnormally terminated with abend code ASPR.

If possible, a conditional message *condmsg* from the linked system is appended to this message.

System Action: Message DFHAC2252 is sent to the master terminal operator (destination CSMT). Normal abend processing continues.

User Response: Refer to messages on the remote system to determine if the remote resources were backed out or committed.

Destination: Terminal End User

Module: DFHTFP

DFHAC2223 *time applid* **Transaction** *tranid* **has failed with abend ASP2 due to the links to the remote systems being in an invalid state. Updates will be backed out.** *condmsg*

Explanation: An application has requested syncpoint, either via EXEC CICS SYNCPOINT or implicitly via EXEC CICS RETURN. Resources remote to this CICS system, for example files, temporary storage, transient data on remote CICS systems, or database managers communicating via the RMI, have been updated, and so the remote resource owners would be sent a syncpoint request. The links to the remote resource owners are in an invalid state to be sent the PREPARE request of the two phase syncpoint protocol.

Transaction *tranid* is abnormally terminated with abend code ASP2. Any changes to recoverable resources that have been performed by the current unit of work are backed out.

System Action: Message DFHAC2253 is sent to the master terminal operator (destination CSMT). Normal abend processing continues.

User Response: See the explanation of abend ASP2 for guidance.

Destination: Terminal End User

Module: DFHTFP

DFHAC2230 *date time applid* **Transaction** *tranid* **terminal** *termid* **not executed due to I/O error at session startup.** *message*

Explanation: Transaction *tranid* could not be executed because an I/O error occurred in the start-up program on terminal *termid*.

System Action: Transaction *tranid* is not executed.

User Response: Correct the cause of the I/O error, which is probably due to the terminal not being powered on.

Destination: CSMT

Module: DFHACP

XMEOUT Parameters: *date, time, applid, tranid, termid, message*

DFHAC2231 *date time applid* **Transaction** *tranid* **running program** *program name* **term** *termid* **has lost contact with its coordinator system during syncpoint and has abended with code ASP1. The unit of work is shunted until contact is restored***{. EXCI job = }exci_id***.** *condmsg*

Explanation: An application has requested syncpoint, either via EXEC CICS SYNCPOINT or implicitly via EXEC CICS RETURN. The coordinator of the syncpoint is not this CICS system but is remote.

Transaction *tranid* has lost contact with its coordinator system during the critical period of syncpoint processing known as the 'indoubt window'.

In accordance with the transaction definition (WAIT YES), the unit of work is not completed. It is allowed to wait for resynchronization with the coordinator system. The transaction is abnormally terminated with abend code ASP1. The unit of work is shunted to await the return of the coordinator system.

Exci Job =*exci_id* is added when *tranid* is a server transaction running on behalf of a non CICS job using the external CICS interface (EXCI). The exci_id consists of 'jobname.stepname.procname - MVSid' and identifies the EXCI client job. The stepname and procname may be omitted. The MVSid identifies the MVS system on which the EXCI client job is running. If MRO/XCF is being used, this can be different from the MVS system on which this CICS system is running. The MVSid is the SMF system identification (SID), hence the MVSid will be omitted if SMF is not active. Terminal *termid* represents the connection between the EXCI client and CICS rather than a real terminal.

In the case of an MRO or an ISC APPC (parallel sessions) connected system, *termid* is a terminal identifier (transaction routing) or a session identifier, *sysid* is the identifier of the linked CICS system. The display ends with the termination message *condmsg* issued by the linked system.

System Action: If possible, message DFHAC2201 is sent to the terminal user. Normal abend processing continues.

User Response: Refer to explanation of abend code ASP1.

Destination: CSMT

Module: DFHTFP

XMEOUT Parameters: *date, time, applid, tranid, program name, termid, {1=. EXCI job = }, exci_id, condmsg*

DFHAC2232 *date time applid* **Transaction** *tranid* **running program** *program name* **term** *termid* **has lost contact with its coordinator system during syncpoint and has abended with code ASPO. All updates will be unilaterally committed***{. EXCI job = }exci_id. condmsg*

Explanation: Transaction *tranid* has lost contact with its coordinator system during the critical period of syncpoint processing known as the 'indoubt window'. The transaction is abnormally terminated with abend code ASPO.

In accordance with the transaction definition (WAIT NO and ACTION COMMIT), all recoverable updates performed by the unit of work are unilaterally committed. Note that integrity of updates may be lost since the coordinator system may either commit or back out its changes.

Exci Job =*exci_id* is added when *tranid* is a server transaction running on behalf of a non CICS job using the external CICS interface (EXCI). The exci_id consists of 'jobname.stepname.procname - MVSid' and identifies the EXCI client job. The stepname and procname may be omitted. The MVSid identifies the MVS system on which the EXCI client job is running. If MRO/XCF is being used, this can be different from the MVS system on which this CICS system is running. The MVSid is the SMF system identification (SID), hence the MVSid will be omitted if SMF is not active. Terminal *termid* represents the connection between the EXCI client and CICS rather than a real terminal.

In the case of an MRO or an ISC APPC (parallel sessions) connected system *termid* is a terminal identifier (transaction routing) or a session identifier, *sysid* is the identifier of the linked CICS system. The display ends with the termination message *condmsg* issued by the linked system.

System Action: If possible, message DFHAC2202 is sent to the terminal user. Normal abend processing continues.

User Response: None. In accordance with the transaction definition, all updates are unilaterally committed.

Destination: CSMT

Module: DFHTFP

XMEOUT Parameters: *date, time, applid, tranid, program name, termid, {1=. EXCI job = }, exci_id, condmsg*

DFHAC2233 *date time applid* **Transaction** *tranid* **running program** *program name* **term** *termid* **has lost contact with its coordinator system during syncpoint and has abended with code ASPP. All updates will be unilaterally backed out***{. EXCI job = }exci_id. condmsg*

Explanation: Transaction *tranid* has lost contact with its coordinator system during the critical period of syncpoint processing known as the 'indoubt window'. The transaction is abnormally terminated with abend code ASPP.

In accordance with the transaction definition (WAIT NO and ACTION BACKOUT), all recoverable updates performed by the unit of work are unilaterally backed out. Note that integrity of updates may be lost since the coordinator system may either commit or back out its changes.

Exci Job =*exci_id* is added when *tranid* is a server transaction running on behalf of a non CICS job using the external CICS interface (EXCI). The exci_id consists of 'jobname.stepname.procname - MVSid' and identifies the EXCI client job. The stepname and procname may be omitted. The MVSid identifies the MVS system on which the EXCI client job is running. If MRO/XCF is being used, this can be different from the MVS system on which this CICS system is running. The MVSid is the SMF system identification (SID), hence the MVSid will be omitted if SMF is not active. Terminal *termid* represents the connection between the EXCI client and CICS rather than a real terminal.

In the case of an MRO or an ISC APPC (parallel sessions) connected system, *termid* is a terminal identifier (transaction routing) or a session identifier, and *sysid* is the identifier of the linked CICS system. The display ends with the termination message *condmsg* issued by the linked system.

System Action: If possible, message DFHAC2203 is sent to the terminal user. Normal abend processing continues.

User Response: None. In accordance with the transaction definition, all updates are unilaterally backed out.

Destination: CSMT

Module: DFHTFP

XMEOUT Parameters: *date, time, applid, tranid, program name, termid, {1=. EXCI job = }, exci_id, condmsg*

DFHAC2234 *date time applid* **A commit failure has occurred during syncpoint processing for transaction** *tranid***, terminal** *termid***. The transaction will be allowed to complete normally** *{. EXCI job = }exci_id. condmsg*

Explanation: An application has requested syncpoint, either via EXEC CICS SYNCPOINT or implicitly via EXEC CICS RETURN. Resources local to this CICS system, for example files, temporary storage, or transient data, have been updated. A commit failure occurred during phase 2 of the syncpoint protocol for a local resource owner.

Exci Job =*exci_id* is added when *tranid* is a server transaction running on behalf of a non CICS job using the external CICS interface (EXCI). The exci_id consists of 'jobname.stepname.procname - MVSid' and identifies the EXCI client job. The stepname and procname may be omitted. The MVSid identifies the MVS system on which the EXCI client job is running. If MRO/XCF is being used, this can be different from the MVS system on which this CICS system is running. The MVSid is the SMF system identification (SID), hence the MVSid will be omitted if SMF is not active. Terminal *termid* represents the connection between the EXCI client and CICS rather than a real terminal.

termid is a terminal identifier (transaction routing) or a session identifier.

System Action: If possible, message DFHAC2204 is sent to the terminal user. For an EXEC CICS SYNCPOINT, processing completes normally and processing continues with the next unit of work. For EXEC CICS RETURN, the transaction completes normally.

Resources affected by the commit failure remain locked and the unit of work is shunted.

User Response: Refer to earlier messages issued by the local resource owner to determine the cause of the commit failure.

Destination: CSMT

Module: DFHTFP

XMEOUT Parameters: *date, time, applid, tranid, termid, {1=. EXCI job = }, exci_id, condmsg*

DFHAC2235 *date time applid* **A backout failure has occurred during syncpoint processing for transaction** *tranid*, **terminal** *termid*. **The transaction will be allowed to complete normally** *{. EXCI job = }exci_id*. *condmsg*

Explanation: An attempt to back out a unit of work has suffered a backout failure. For the local resource owner(s) that suffered the backout failure, the resources updated by the unit of work remain locked. All other resources are backed out.

Exci Job =*exci_id* is added when *tranid* is a server transaction running on behalf of a non CICS job using the external CICS interface (EXCI). The exci_id consists of 'jobname.stepname.procname - MVSid' and identifies the EXCI client job. The stepname and procname may be omitted. The MVSid identifies the MVS system on which the EXCI client job is running. If MRO/XCF is being used, this can be different from the MVS system on which this CICS system is running. The MVSid is the SMF system identification (SID), hence the MVSid will be omitted if SMF is not active. Terminal *termid* represents the connection between the EXCI client and CICS rather than a real terminal.

termid is a terminal identifier (transaction routing) or a session identifier.

System Action: If possible, message DFHAC2205 is sent to the terminal user. For an EXEC CICS SYNCPOINT, processing completes normally and processing continues with the next unit of work. For EXEC CICS RETURN, the transaction completes normally.

Resources affected by the backout failure remain locked and the unit of work is shunted.

User Response: Refer to an earlier messages issued by the local resource owner to determine the cause of the backout failure.

Destination: CSMT

Module: DFHTFP

XMEOUT Parameters: *date, time, applid, tranid, termid, {1=. EXCI job = }, exci_id, condmsg*

DFHAC2236 *date time applid* **Transaction** *tranid* **abend** *secondary abcode* **in program** *program name* **term** *termid*. **Updates to local recoverable resources will be backed out***{. EXCI job = }exci_id*. *condmsg*

Explanation: Transaction *tranid* is abnormally terminated with abend code *abcode* in program *progname*. Any changes to recoverable resources in the local system that have been performed by the current unit of work are backed out.

EXCI Job =*exci_id* is added when *tranid* is a server transaction running on behalf of a non CICS job using the external CICS interface (EXCI). The exci_id consists of 'jobname.stepname.procname - MVSid' and identifies the EXCI client job. The stepname and procname may be omitted. The MVSid identifies the MVS system on which the EXCI client job is running. If MRO/XCF is being used, this can be different from the MVS system on which this CICS system is running. The MVSid is the SMF system identification (SID), hence the MVSid will be omitted if SMF is not active. Terminal *termid* represents the connection between the EXCI client and CICS rather than a real terminal.

In the case of an MRO or an ISC APPC (parallel sessions) connected system, *termid* is a terminal identifier (transaction routing) or a session identifier, and *sysid* is the identifier of the linked CICS system. The display ends with the termination message *condmsg* issued by the linked system.

When this message is issued in the Terminal Owning region because a remote transaction has failed, there may be no recoverable resources to be backed out in the local system. In this case, the conditional message will tell you whether or not resources in the remote system have been backed out.

Program *progname* will be unknown when the message is issued in a Terminal Owning region.

System Action: If possible, message DFHAC2206 is sent to the terminal user. Normal abend processing continues.

User Response: See the description of the abend code *abcode* for guidance. In a transaction routing environment, the original cause of the failure is usually indicated in the conditional message. If *abcode* is not a CICS abend, it is a user code, in which case you should consult the programmer responsible for this area.

Destination: CSMT

Module: DFHTFP

XMEOUT Parameters: *date, time, applid, tranid, secondary abcode, program name, termid, {1=. EXCI job = }, exci_id, condmsg*

DFHAC2245 *date time applid* **A CICS-generated syncpoint request could not be completed normally because a connected system has requested that the unit of work be rolled back. Transaction** *tranid* **running program** *program name* **term** *termid* **has been abnormally terminated with code ASPF***{. EXCI job = }exci_id*. *condmsg*

Explanation: CICS has been unable to complete an internally generated syncpoint request because a connected system has notified it that the unit of work must be rolled back. (This may also occur as a result of a session failure or a protocol error).

Transaction *tranid* is abnormally terminated with abend code ASPF in program *progname*. Any changes to recoverable resources that have been performed by the current unit of work are backed out.

Exci Job =*exci_id* is added when *tranid* is a server transaction running on behalf of a non CICS job using the external CICS interface (EXCI). The exci_id consists of 'jobname.stepname.procname - MVSid' and identifies the EXCI client job. The stepname and procname may be omitted. The MVSid identifies the MVS system on which the EXCI client job is running. If MRO/XCF is being used, this can be different from the MVS system on which this CICS system is running. The MVSid is the SMF system identification (SID), hence the MVSid will be omitted if SMF is not active. Terminal *termid* represents the connection between the EXCI client and CICS rather than a real terminal.

In the case of an MRO or an ISC APPC (parallel sessions) connected system, *termid* is a terminal identifier (transaction routing) or a session identifier, and *sysid* is the identifier of the linked CICS system. The display ends with the termination message *condmsg* issued by the linked system.

System Action: If possible, message DFHAC2215 is sent to the terminal user. Normal abend processing continues.

User Response: Determine why the connected system sent the indication to roll back the unit of work.

Resubmit the transaction after the cause of the indication to roll back has been removed.

Destination: CSMT

Module: DFHTFP

XMEOUT Parameters: *date, time, applid, tranid, program name, termid, {1=. EXCI job = }, exci_id, condmsg*

DFHAC2246 *date time applid* **Transaction termination processing could not be completed normally because a connected system has requested that the unit of work be rolled back. Transaction** *tranid***, terminal** *termid* **has been abnormally terminated with code ASPN***{. EXCI job = }exci_id***.** *condmsg*

Explanation: CICS has been unable to complete normal transaction termination processing because a connected system has notified it that the unit of work must be rolled back. (This may also occur as a result of a session failure or a protocol error).

Transaction *tranid* is abnormally terminated with abend code ASPN. Any changes to recoverable resources that have been performed by the current unit of work are backed out.

Exci Job =*exci_id* is added when *tranid* is a server transaction running on behalf of a non CICS job using the external CICS interface (EXCI). The exci_id consists of 'jobname.stepname.procname - MVSid' and identifies the EXCI client job. The stepname and procname may be omitted. The MVSid identifies the MVS system on which the EXCI client job is running. If MRO/XCF is being used, this can be different from the MVS system on which this CICS system is running. The MVSid is the SMF system identification (SID), hence the MVSid will be omitted if SMF is not active. Terminal *termid* represents the connection between the EXCI client and CICS rather than a real terminal.

In the case of an MRO or an ISC APPC (parallel sessions) connected system, *termid* is a terminal identifier (transaction routing) or a session identifier, and *sysid* is the identifier of the linked CICS system. The display ends with the termination message *condmsg* issued by the linked system.

System Action: If possible, message DFHAC2216 is sent to the terminal user. Normal abend processing continues.

User Response: Determine why the connected system sent the indication to roll back the unit of work.

Resubmit the transaction after the cause of the indication to roll back has been removed.

Destination: CSMT

Module: DFHTFP

XMEOUT Parameters: *date, time, applid, tranid, termid, {1=. EXCI job = }, exci_id, condmsg*

DFHAC2247 *date time applid* **Transaction** *tranid* **running program** *program name* **term** *termid* **has requested rollback, but was using a type of processing for which rollback is not supported. The transaction has been abnormally terminated with code ASP8** *{. EXCI job = }exci_id***.** *condmsg*

Explanation: An application requested syncpoint rollback, but was using a type of processing that does not support rollback, for example LU6.1.

Transaction *tranid* is abnormally terminated with abend code ASP8 in program *progname*. Any changes to recoverable resources that have been performed by the current unit of work will be backed out.

Exci Job =*exci_id* is added when *tranid* is a server transaction running on behalf of a non CICS job using the external CICS interface (EXCI). The exci_id consists of 'jobname.stepname.procname - MVSid' and identifies the EXCI client job. The stepname and procname may be omitted. The MVSid identifies the MVS system on which the EXCI client job is running. If MRO/XCF is being used, this can be different from the MVS system on which this CICS system is running. The MVSid is the SMF system identification (SID), hence the MVSid will be omitted if SMF is not active. Terminal *termid* represents the connection between the EXCI client and CICS rather than a real terminal.

In the case of an MRO or an ISC APPC (parallel sessions) connected system *termid* is a terminal identifier (transaction routing) or a session identifier, *sysid* is the identifier of the linked CICS system, and the display ends with the termination message *condmsg* issued by the linked system.

System Action: If possible, message DFHAC2217 is sent to the terminal user. Normal abend processing continues.

User Response: Refer to explanation of abend code ASP8.

Destination: CSMT

Module: DFHTFP

XMEOUT Parameters: *date, time, applid, tranid, program name, termid, {1=. EXCI job = }, exci_id, condmsg*

DFHAC2248 *date time applid* **Transaction** *tranid* **running program** *program name* **term** *termid* **has failed with abend ASP7 following the failure of a local resource owner in the prepare phase of syncpoint. Updates will be backed out***{. EXCI job = }exci_id***.** *condmsg*

Explanation: An application has requested syncpoint, either via EXEC CICS SYNCPOINT or implicitly via EXEC CICS RETURN. Resources local to this CICS system, for example files, temporary storage, transient data, have been updated, and so the local resource owners have been sent a syncpoint request. A local resource owner has replied 'No' to a request to 'Prepare', during the two phase syncpoint protocol.

Transaction *tranid* is abnormally terminated with abend code ASP7 in program *progname*. Any changes to recoverable resources that have been performed by the current unit of work will be backed out.

Exci Job =*exci_id* is added when *tranid* is a server transaction running on behalf of a non CICS job using the external CICS interface (EXCI). The exci_id consists of 'jobname.stepname.procname - MVSid' and identifies the EXCI client job. The stepname and procname may be omitted. The MVSid identifies the MVS system on which the EXCI client job is running. If MRO/XCF is being used, this can be different from the MVS system on which this CICS system is running. The MVSid is the SMF system identification (SID), hence the MVSid will be omitted if SMF is not active. Terminal *termid* represents the connection between the EXCI client and CICS rather than a real terminal.

In the case of an MRO or an ISC APPC (parallel sessions) connected system, *termid* is a terminal identifier (transaction routing) or a session identifier, and *sysid* is the identifier of the linked CICS system. The display ends with the termination message *condmsg* issued by the linked system.

System Action: If possible, message DFHAC2218 is sent to the terminal user. Normal abend processing continues.

User Response: Refer to explanation of abend code ASP7.

Destination: CSMT

Module: DFHTFP

XMEOUT Parameters: *date, time, applid, tranid, program name, termid, {1=. EXCI job = }, exci_id, condmsg*

DFHAC2249 *date time applid* **Transaction** *tranid* **running program** *program name* **term** *termid* **has failed with abend ASP7 following the failure of a remote system in the prepare phase of syncpoint. Updates will be backed out***{. EXCI job = }exci_id***.** *condmsg*

Explanation: An application has requested syncpoint, either via EXEC CICS SYNCPOINT or implicitly via EXEC CICS RETURN. Resources remote to this CICS system, for example files, temporary storage, transient data on remote CICS systems, or database managers communicating via the RMI, have been updated, and so the remote resource owners have been sent a syncpoint request. A remote resource owner has replied 'No' to a request to 'Prepare', during the two phase syncpoint protocol.

Transaction *tranid* is abnormally terminated with abend code ASP7 in program *progname*. Any changes to recoverable resources that have been performed by the current unit of work will be backed out.

Exci Job =*exci_id* is added when *tranid* is a server transaction running on behalf of a non CICS job using the external CICS Interface (EXCI). The exci_id consists of 'jobname.stepname.procname - MVSid' and identifies the EXCI client job. The stepname and procname may be omitted. The MVSid identifies the MVS system on which the EXCI client job is running. If MRO/XCF is being used, this can be different from the MVS system on which this CICS system is running. The MVSid is the SMF system identification (SID), hence the MVSid will be omitted if SMF is not active. Terminal *termid* represents the connection between the EXCI client and CICS rather than a real terminal.

In the case of an MRO or an ISC APPC (parallel sessions) connected system *termid* is a terminal identifier (transaction routing) or a session identifier, and *sysid* is the identifier of the linked CICS system. The display ends with the termination message *condmsg* issued by the linked system.

System Action: If possible, message DFHAC2219 is sent to the terminal user. Normal abend processing continues.

User Response: Refer to explanation of abend code ASP7.

Destination: CSMT

Module: DFHTFP

XMEOUT Parameters: *date, time, applid, tranid, program name, termid, {1=. EXCI job = }, exci_id, condmsg*

DFHAC2250 *date time applid* **The coordinator system has indicated that the current unit of work is to be backed out. Transaction** *tranid* **running program** *program name* **term** *termid* **has been abnormally terminated with abend ASP3***{. EXCI job = }exci_id***.** *condmsg*

Explanation: An application has requested syncpoint, either via EXEC CICS SYNCPOINT or implicitly via EXEC CICS RETURN. The local unit of work is part of a larger unit of work, and is not the coordinator in the syncpoint. The coordinator is either in a remote system or is another unit of work in the local system (if the transaction is the result of a RUN SYNCHRONOUS command). During the syncpoint protocol the coordinator has decided that the unit of work cannot be committed and must be backed out.

Transaction *tranid* is abnormally terminated with abend code ASP3 in program *progname*. Any changes to recoverable resources that have been performed by the current unit of work are backed out.

Exci Job =*exci_id* is added when *tranid* is a server transaction running on behalf of a non CICS job using the external CICS interface (EXCI). The exci_id consists of 'jobname.stepname.procname - MVSid' and identifies the EXCI client job. The stepname and procname may be omitted. The MVSid identifies the MVS system on which the EXCI client job is running. If MRO/XCF is being used this, can be different from the MVS system on which this CICS system is running. The MVSid is the SMF system identification (SID), hence the MVSid will be omitted if SMF is not active. Terminal *termid* represents the connection between the EXCI client and CICS rather than a real terminal.

In the case of an MRO or an ISC APPC (parallel sessions) connected system *termid* is a terminal identifier (transaction routing) or a session identifier, and *sysid* is the identifier of the linked CICS system. The display ends with the termination message *condmsg* issued by the linked system.

System Action: If possible, message DFHAC2220 is sent to the terminal user. Normal abend processing continues.

User Response: Refer to the coordinator system to determine the reason why the unit of work was backed out.

Destination: CSMT

Module: DFHTFP

XMEOUT Parameters: *date, time, applid, tranid, program name, termid, {1=. EXCI job = }, exci_id, condmsg*

DFHAC2251 *date time applid* **Transaction** *tranid* **running program** *program name* **term** *termid* **has failed with abend ASPQ. Syncpoint commit processing has failed while communicating with a remote system***{. EXCI job = }exci_id***.** *condmsg*

Explanation: An application has requested syncpoint, either via EXEC CICS SYNCPOINT or implicitly via EXEC CICS RETURN. Resources remote to this CICS system such as files, temporary storage, and transient data on remote CICS systems have been updated, and so the remote resource owners have been sent a syncpoint request. A failure occurred during phase 2 of syncpoint protocol.

Transaction *tranid* is abnormally terminated with abend code ASPQ in program *progname*. Recoverable resources have successfully been committed but a subsequent error occurred.

EXCI job =*exci_id* is added when *tranid* is a server transaction running on behalf of a non CICS job using the external CICS interface (EXCI). The exci_id consists of *jobname.stepname.procname - MVSid* and identifies the EXCI client job. The stepname and procname may be omitted. *MVSid* identifies the MVS system on which the EXCI client job is running. If MRO/XCF is being used, this can be different from the MVS system on which this CICS system is running. The MVSid is the SMF system identification (SID), hence the MVSid will be omitted if SMF is not active. Terminal *termid* represents the connection between the EXCI client and CICS; not a real terminal.

In the case of an MRO or an ISC APPC (parallel sessions) connected system, *termid* is a terminal identifier (transaction routing) or a session identifier, *sysid* is the identifier of the linked CICS system, and the display ends with the termination message *condmsg* issued by the linked system.

System Action: If possible, message DFHAC2221 is sent to the terminal user. Normal abend processing continues.

User Response: Refer to associated messages already issued by the communication components of CICS to determine the cause of the intersystem session problem.

Destination: CSMT

Module: DFHTFP

XMEOUT Parameters: *date, time, applid, tranid, program name, termid, {1=. EXCI job = }, exci_id, condmsg*

DFHAC2252 *date time applid* **Transaction** *tranid* **in program** *program name* **term** *termid* **has lost contact with its coordinator system during syncpoint processing. No updates have been performed by this system; it has abended with code ASPR***{. EXCI job = }exci_id***.** *condmsg*

Explanation: An application has requested syncpoint, either via EXEC CICS SYNCPOINT or implicitly via EXEC CICS RETURN. The coordinator of the syncpoint is not this CICS system but is remote.

Transaction *tranid* has lost contact with its coordinator system during the critical period of syncpoint processing known as the 'indoubt window'. However no recoverable resources have been updated by this system and so there is no data integrity problem.

Exci Job =*exci_id* is added when *tranid* is a server transaction running on behalf of a non CICS job using the external CICS interface (EXCI). The exci_id consists of 'jobname.stepname.procname - MVSid' and identifies the EXCI client job. The stepname and procname may be omitted. The MVSid identifies the MVS system on which the EXCI client job is running. If MRO/XCF is being used, this can be different from the MVS system on which this CICS system is running. The MVSid is the SMF system identification (SID), hence the MVSid will be omitted if SMF is not active. Terminal *termid* represents the connection between the EXCI client and CICS rather than a real terminal.

In the case of an MRO or an ISC APPC (parallel sessions) connected system, *termid* is a terminal identifier (transaction routing) or a session identifier, and *sysid* is the identifier of the linked CICS system. The display ends with the termination message *condmsg* issued by the linked system.

System Action: If possible, message DFHAC2222 is sent to the terminal user. Normal abend processing continues.

User Response: Refer to messages on the remote system to determine if the remote resources were backed out or committed.

Destination: CSMT

Module: DFHTFP

XMEOUT Parameters: *date, time, applid, tranid, program name, termid, {1=. EXCI job = }, exci_id, condmsg*

DFHAC2253 *date time applid* **Transaction** *tranid* **running program** *program name* **term** *termid* **has failed with abend ASP2 due to the links to the remote systems being in an invalid state. Updates will be backed out***{. EXCI job = }exci_id***.** *condmsg*

Explanation: An application has requested syncpoint, either via EXEC CICS SYNCPOINT or implicitly via EXEC CICS RETURN. Resources remote to this CICS system, for example files, temporary storage, transient data on remote CICS systems, or database managers communicating via the RMI, have been updated, and so the remote resource owners would be sent a syncpoint request. The links to the remote resource owners are in an invalid state to be sent the PREPARE request of the two phase syncpoint protocol.

Transaction *tranid* is abnormally terminated with abend code ASP2 in program *progname*. Any changes to recoverable resources that have been performed by the current unit of work are backed out.

Exci job =*exci_id* is added when *tranid* is a server transaction running on behalf of a non CICS job using the external CICS interface (EXCI). The exci_id consists of *jobname.stepname.procname - MVSid* and identifies the EXCI client job. The stepname and procname may be omitted. The MVSid identifies the MVS system on which the EXCI client job is running. If MRO/XCF is being used, this can be different from the MVS system on which this CICS system is running. The MVSid is the SMF system identification (SID), hence the MVSid will be omitted if SMF is not active. Terminal *termid* represents the connection between the EXCI client and CICS rather than a real terminal.

In the case of an MRO or an ISC APPC (parallel sessions) connected system, *termid* is a terminal identifier (transaction routing) or a session identifier and *sysid* is the identifier of the linked CICS system. The display ends with the termination message *condmsg* issued by the linked system.

System Action: If possible, message DFHAC2223 is sent to the terminal user. Normal abend processing continues.

User Response: See the explanation of abend code ASP2 for guidance.

Destination: CSMT

Module: DFHTFP

XMEOUT Parameters: *date, time, applid, tranid, program name, termid, {1=. EXCI job = }, exci_id, condmsg*

DFHAC2259 *date time applid* **Transaction** *tranid* **abend** *primary abcode* **in program** *program name* **term** *termid* **DFHPEP not linked.**

Explanation: Transaction *tranid* is abnormally terminated with abend code *abcode*. An error occurred in attempting to link to the user-written program error program (DFHPEP). The error prevented DFHPEP from being given control.

If CICS terminates abnormally because of a program control restart failure, this message can appear during shutdown.

System Action: Depending on the reason for the failure, CICS may abnormally terminate or continue.

User Response: The transaction abend code, *abcode*, gives the reason for the original transaction failure.

Determine why DFHPEP could not be invoked. It may be disabled.

Destination: CSMT

Module: DFHACP

XMEOUT Parameters: *date, time, applid, tranid, primary abcode, program name, termid*

DFHAC2260 *date time applid* **Transaction** *tranid* **disabled by DFHPEP.**

Explanation: Transaction *tranid*, which has abnormally terminated, has been disabled. This is either as a result of user code in DFHPEP, or because the transaction has abended with abend ASRD or ASRE and DISMACP=YES has been specified (or allowed to default) in the startup parameters. No further use can be made of transaction *tranid*.

System Action: Processing continues.

User Response: Correct the cause of the abnormal termination and enable the transaction.

Destination: CSMT

Module: DFHACP

XMEOUT Parameters: *date, time, applid, tranid*

DFHAC2261 System *sysid* **sent message (sense code** *cccccccc***). '***tacbmsg***'.**

Explanation: A transaction, which has abnormally terminated, has received a negative response and an explanatory warning message from system *sysid*. The message *tacbmsg* is supplied from the remote system.

System Action: Processing continues.

User Response: Correct the reason for the abnormal termination in the remote system and run the transaction again.

Destination: Terminal End User

Module: DFHACP

DFHAC2262 *date time applid* **System** *sysid* **sent message (sense code** *cccccccc***).** *tacbmsg*

Explanation: A transaction, which has abnormally terminated, has received a negative response and an explanatory warning message from system *sysid*. The message *tacbmsg* is supplied from the remote system.

System Action: Processing continues.

User Response: Correct the reason for the abnormal termination in the remote system and run the transaction again.

Destination: CSMT

Module: DFHACP

XMEOUT Parameters: *date, time, applid, sysid, cccccccc, tacbmsg*

DFHAC2263 *date time applid* **Transaction** *tranid* **abend** *primary abcode* **in program** *program name* **term** *termid* **DFHPEP has abnormally terminated.**

Explanation: Transaction *tranid* has abended and the abnormal completion program (DFHACP) has linked to the user-written error program (DFHPEP). The error program has also abended.

System Action: Processing continues.

User Response: The transaction abend code *abcode* gives the reason for the original transaction failure. Correct the cause of the abnormal termination in the error program and run the transaction again.

Destination: CSMT

Module: DFHACP

XMEOUT Parameters: *date, time, applid, tranid, primary abcode, program name, termid*

DFHAC2603 Syst.sense *systsense*,*termid*,*taskid*, **No authorization**

Explanation: An operator has attempted to execute a transaction for which the operator was not authorized. Alternatively, the operator's authorization was set to the capability of the default user and the requested transaction has a security value greater than 1.

System Action: Other processing continues.

User Response: Either sign on or confirm authority to enter this transaction as appropriate. See messages DFHAC2002 and DFHAC2003 for further information.

Destination: Terminal End User

Module: DFHACP

DFHAC2605 Syst.sense *systsense*,*termid*,*taskid*, **Insufficient resource**

Explanation: The system was unable to execute the transaction at this time.

System Action: The transaction is purged.

User Response: Resubmit the transaction later.

Destination: Terminal End User

Module: DFHACP

DFHAC2606 Syst.sense *systsense*,*termid*,*taskid*, **Function not executable**

Explanation: Either the transaction was not valid during system quiesce, or the transaction has been disabled.

System Action: The system action is error specific. For an invalid transaction during system quiesce, refer to the **System Action** of message DFHAC2007.

For a transaction that has been disabled, refer to the **System Action** of message DFHAC2008.

User Response: The user response is error specific.

For an invalid transaction during system quiesce, refer to the **User Response** of message DFHAC2007. For a transaction that has been disabled, refer to the **User Response** of message DFHAC2008.

Destination: Terminal End User

Module: DFHACP

DFHAIxxxx messages

DFHAI0101I *applid* **AITM initialization has started.**

Explanation: This is an informational message indicating that Auto-install terminal model manager (AITM) initialization has begun.

System Action: Initialization continues.

User Response: None.

Destination: Console

Module: DFHAIIN

XMEOUT Parameter: *applid*

DFHAI0102I *applid* **AITM initialization has ended.**

Explanation: This is an informational message indicating that Auto-install terminal model manager (AITM) initialization has completed.

System Action: CICS initialization continues.

User Response: None.

Destination: Console

Module: DFHAIIN

XMEOUT Parameter: *applid*

DFHAI0103I *applid* **AITM initialization has failed.**

Explanation: Autoinstall terminal model manager (AITM) initialization has failed.

System Action: Message DFHSI1521 is issued and initialization is terminated. A further error message from another domain may also be issued.

User Response: This error is identified by a trace entry. Refer to DFHSI1521, and any other error message issued, for further guidance.

Destination: Console

Module: DFHAIIN

XMEOUT Parameter: *applid*

DFHAI0201I *date time applid* **Terminal Model** *modelname* **has been re-installed.**

Explanation: This is an audit log message indicating that a record of the dynamic replacement of auto-install terminal model *modelname* has been made in the transient data destination.

System Action: The system continues normally.

User Response: None.

Destination: CAIL

Module: DFHAITM

XMEOUT Parameters: *date, time, applid, modelname*

DFHAI0202I *date time applid* **Terminal Model** *modelname* **has been installed.**

Explanation: This is an audit log message indicating that a record of the dynamic addition of auto-install terminal model *modelname* has been made in the transient data destination.

System Action: The system continues normally.

User Response: None.

Destination: CAIL

Module: DFHAITM

XMEOUT Parameters: *date, time, applid, modelname*

DFHAI0203I *date time applid* **Terminal Model** *modelname* **has been discarded.**

Explanation: This is an audit log message indicating that a record of the dynamic deletion of auto-install terminal model *modelname* has been made in the transient data destination using the DISCARD command.

System Action: The system continues normally.

User Response: None.

Destination: CAIL

Module: DFHAITM

XMEOUT Parameters: *date, time, applid, modelname*

DFHAMxxxx messages

DFHAM4800 I New group *grpname* **created.**

Explanation: A new group *grpname* has been created on the CSD.

System Action: Processing continues.

User Response: None.

Destination: Terminal End User

Module: DFHAMP

DFHAM4801 I New list *lstname* **created.**

Explanation: A new list *lstname* has been created on the CSD.

System Action: Processing continues.

User Response: None.

Destination: Terminal End User

Module: DFHAMP

DFHAM4802 E *applid name* **is an invalid name.**

Explanation: The name *name* in the command is invalid.

System Action: Processing continues.

User Response: Specify a valid name.

Destination: Console and Terminal End User

Module: DFHAMP

XMEOUT Parameters: *applid, name*

DFHAM4803 E *applid* **Install failed because an existing definition for file** *filename* **could not be deleted.**

Explanation: An attempt was made to install file *filename*. File *filename* already exists and cannot be deleted. This condition can occur if an existing file definition in an FCT or on the CSD, was installed as enabled or open.

System Action: The install fails.

User Response: Rectify the problem and try the install again.

Destination: Console and Terminal End User

Module: DFHAMP

XMEOUT Parameters: *applid, filename*

DFHAM4804 E *applid* **Invalid LIST name** *listname***.**

Explanation: The GRPLIST parameter of the system initialization table (SIT) specifies a list name *listname* that contains characters unacceptable to RDO.

System Action: CICS issues the request 'ENTER ALTERNATIVE NAME OR CANCEL'.

User Response: Enter a valid list name **or** enter 'CANCEL', correct the GRPLIST parameter in the SIT, and reinitialize CICS.

Destination: Console and Terminal End User

Module: DFHAMP

XMEOUT Parameters: *applid, listname*

DFHAM4805 E Unable to perform operation: *name* **is locked to APPLID** *applid***, OPID** *opid* **to prevent updating.**

Explanation: An attempt has been made to lock, or update, a group or a list that is currently locked to another user.

System Action: Processing continues.

User Response: Reenter the command when the group or the list is not locked.

Destination: Terminal End User

Module: DFHAMP

DFHAM4806 E *applid* **Group name** *grpname* **exists as a LIST name.**

Explanation: The system initialization table (SIT) GRPLIST parameter names a list that contains an unusable group name *grpname*. CICS cannot find this group because no resources are defined as belonging to it, and also because a list of the same name already exists in the CSD.

Note: A group and a list cannot coexist with the same name.

System Action: CICS issues the request 'IS START-UP TO BE CONTINUED? REPLY GO OR CANCEL'.

If you reply 'GO', CICS is initialized with all the valid definitions in the list.

User Response: If you do not require group *grpname*, enter 'GO'.

If group *grpname* is essential, enter 'CANCEL', and reinitialize CICS with a different GRPLIST name as a SIT override parameter. Then use the CEDA transaction to review and correct the faulty list.

Destination: Console and Terminal End User

Module: DFHAMP

XMEOUT Parameters: *applid, grpname*

DFHAM4808 E Object already exists in this group.

Explanation: An attempt has been made to define an object in a group, but an object with the same name already exists.

System Action: The definition on the CSD is presented to the user to overtype.

User Response: Reenter the command with a different object name, or change the existing definition.

Destination: Terminal End User

Module: DFHAMP

DFHAM4809 E Date/time fields do not match (object updated by another user).

Explanation: The definition of an object on the CSD has been changed while the user was altering the definition.

System Action: Processing continues.

User Response: Reenter the command.

Destination: Terminal End User

Module: DFHAMP

DFHAM4810 E Object not found (deleted by another user).

Explanation: The definition of an object on the CSD has been deleted while the user was altering the definition.

System Action: Processing continues.

User Response: Determine why the definition has been deleted. Recreate and update the object if necessary.

Destination: Terminal End User

Module: DFHAMP

DFHAM4811 E *applid name1* **does not contain** *name2***.**

Explanation: The required object *name2* could not be found on the CSD in group *name1*.

System Action: Processing continues.

User Response: Determine why the definition cannot be found.

Destination: Console and Terminal End User

Module: DFHAMP

XMEOUT Parameters: *applid, name1, name2*

DFHAM4814 E *applid* **List name** *listname* **exists as a group name.**

Explanation: The GRPLIST parameter of the system initialization table (SIT) specifies an invalid list name *listname*. CICS cannot find the list because a group of the same name already exists in the CSD.

Note: A group and a list cannot coexist with the same name.

System Action: CICS issues the request 'ENTER ALTERNATIVE NAME OR CANCEL'.

User Response: Enter a valid list name, **or** enter 'CANCEL', correct the GRPLIST system initialization parameter and reinitialize CICS.

Destination: Console and Terminal End User

Module: DFHAMP

XMEOUT Parameters: *applid, listname*

DFHAM4815 E Group *grpname* **not found in this list.**

Explanation: The AFTER/BEFORE name entered in the command could not be found in this list. The definition could have been deleted while the user was viewing the outcome of an EXPAND command.

System Action: Processing continues.

User Response: Reenter the command with a group name that exists on this list.

Destination: Terminal End User

Module: DFHAMP

DFHAM4816 E *applid* **Unable to install group** *grpname* **- group not found.**

Explanation: The GRPLIST parameter of the system initialization table (SIT) names a list that contains an unusable group name *grpname*. CICS cannot find group *grpname* because no resources are defined as belonging to it.

System Action: CICS issues the request 'IS START-UP TO BE CONTINUED? REPLY GO OR CANCEL'.

If you reply 'GO', CICS is initialized with all the valid definitions in the list.

User Response: If you do not require group *grpname*, enter 'GO'.

If group *grpname* is essential, enter 'CANCEL', and reinitialize CICS with a different GRPLIST name as a SIT override parameter. Then use the CEDA transaction to review and correct the faulty list.

Destination: Console and Terminal End User

Module: DFHAMP

XMEOUT Parameters: *applid, grpname*

DFHAM4819 E Group already exists in this list.

Explanation: The group already exists in the list.

System Action: Processing continues.

User Response: Determine why the group exists and reenter the command, perhaps with a different group name.

Destination: Terminal End User

Module: DFHAMP

DFHAM4820 S Unable to perform request - CSD full.

Explanation: The CSD file is full.

System Action: Processing continues.

User Response: Reenter the command when more space is available.

Destination: Terminal End User

Module: DFHAMP

DFHAM4821 S *applid* **Unable to perform request - I/O error to CSD.**

Explanation: An error occurred while the CSD file was being accessed during CICS initialization. This may be because the disk containing the CSD file was mounted incorrectly.

System Action: CICS terminates.

User Response: Retry the CICS initialization. If the problem persists, a hardware fault probably exists, and you should load a backup copy of the CSD.

Destination: Console and Terminal End User

Module: DFHAMP

XMEOUT Parameter: *applid*

DFHAM4823 S *applid* **Unable to perform request - DFHCSD not open.**

Explanation: The CSD file (DFHCSD) is not open.

System Action: Other processing continues.

User Response: Ask the master terminal operator to open the file. The DFHCSD is defined in the bringup JCL and/or in the SIT.

Destination: Console and Terminal End User

Module: DFHAMP

XMEOUT Parameter: *applid*

DFHAM4824 S *applid* **Unable to perform request - Insufficient function in file definition for DFHCSD.**

Explanation: During initialization, CICS has found a GRPLIST parameter in the SIT, but cannot access the CSD file because of an error in the file definition entry for DFHCSD.

The most likely cause of this error is an incorrectly coded CSDACC parameter in the SIT entry for DFHCSD.

System Action: CICS terminates.

User Response: Before the next CICS initialization, correct the error in the system initialization parameters for DFHCSD.

Destination: Console and Terminal End User

Module: DFHAMP

XMEOUT Parameter: *applid*

DFHAM4825 S *applid* **Unable to perform request - File Control has returned an INVREQ response.**

Explanation: The file control file request handler (DFHFCFR) does not have sufficient function to support the CEDA command entered.

System Action: The CEDA command is ignored.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: Console and Terminal End User

Module: DFHAMP

XMEOUT Parameter: *applid*

DFHAM4826 S *applid* **Unable to perform request - CSD corrupted or not initialized.**

Explanation: During initialization, CICS finds a GRPLIST parameter in the SIT, but cannot access the CSD file because:

1. The CSD file has not been initialized, or
2. CSD initialization did not complete successfully, or
3. the CSD file has been corrupted.

System Action: CICS terminates.

User Response: If you have not used the CSD file before, initialize it using the offline utility, DFHCSDUP, and check the output listing from the utility for successful completion.

If you have used the CSD file before, it has probably been corrupted. In this case, load a backup copy of the CSD file and use it in place of the corrupted file.

Destination: Console and Terminal End User

Module: DFHAMP

XMEOUT Parameter: *applid*

DFHAM4827 S *applid* **Unable to perform request - DFHCSD could not be installed.**

Explanation: During initialization, CICS finds a GRPLIST parameter in the system initialization table (SIT), but cannot access the CSD file because file control failed to install it.

System Action: CICS terminates.

User Response: Before the next CICS initialization, ensure that you have a SIT with the correct parameters for the definition of the DFHCSD file.

Assemble a new SIT as necessary.

Destination: Console and Terminal End User

Module: DFHAMP

XMEOUT Parameter: *applid*

DFHAM4828 E *applid* **Group** *grpname* **not found.**

Explanation: The group name *grpname* in the command could not be found.

System Action: The command is ignored.

User Response: Retry the command with a group name that exists.

Destination: Console and Terminal End User

Module: DFHAMP

XMEOUT Parameters: *applid, grpname*

DFHAM4829 S *applid* **Storage violation. CSD primary control record not updated.**

Explanation: The in-store version of the CSD primary record was corrupted.

System Action: The version on the CSD was not updated and is not necessarily affected.

User Response: None.

Destination: Console and Terminal End User

Module: DFHAMP

XMEOUT Parameter: *applid*

DFHAM4830 E *restype resname* **already exists in the target group.**

Explanation: The COPY operation could not be performed, as a duplicate has been found in the target group.

System Action: The COPY command is ignored.

User Response: Reenter the command with the MERGE or the REPLACE option.

Destination: Terminal End User

Module: DFHAMP

DFHAM4831 E The new name *name* **is longer than the four characters allowed for** *restype* **names.**

Explanation: The specified name *name* is invalid because it is longer than four characters.

System Action: The command is ignored.

User Response: Enter a valid name.

Destination: Terminal End User

Module: DFHAMP

DFHAM4832 E *applid* **Unable to open TDQUEUE** *tdqname* **because the DFHINTRA data set is not open.**

Explanation: An attempt to install the transient data queue *tdqname* on the CICS system has been rejected because the DFHINTRA data set is not open.

System Action: Processing continues. The definition is not installed.

User Response: It is not possible to install intrapartition definitions on a system that does not have a DFHINTRA data set defined and opened. If DFHINTRA has been defined, it may have failed to open during initialization. It is necessary to repair the data set and restart the system in order to open it.

Destination: Console and Terminal End User

Module: DFHAMP

XMEOUT Parameters: *applid, tdqname*

DFHAM4833 E *applid* **A security error has occurred while attempting to install TDQUEUE** *tdqname***. The definition has not been installed.**

Explanation: An attempt to install the transient data queue *tdqname* on the CICS system has been rejected because of an error encountered while performing a security check for the userid included within the definition.

System Action: Processing continues. The definition is not installed.

User Response: Refer to the associated messages issued by the security manager for further guidance. Reinstall the definition once the error has been corrected.

Destination: Console and Terminal End User

Module: DFHAMP

XMEOUT Parameters: *applid, tdqname*

DFHAM4834 E *applid* **Install of** *{TDQUEUE | PROCESSTYPE} resourcename* **failed because the installed definition is not disabled.**

Explanation: An attempt to install the resource *resourcename* on the CICS system has failed because the resource is not disabled.

System Action: Processing continues. The definition is not installed.

User Response: The specified resource must be disabled before it can be installed. Ensure that the resource is in the required state and then install the new definition.

Destination: Console and Terminal End User

Module: DFHAMP

XMEOUT Parameters: *applid, {1=TDQUEUE, 2=PROCESSTYPE}, resourcename*

DFHAM4835 E *applid* **Install of TDQUEUE** *tdqname* **failed because the queue has already been defined to the system, and initialization is still in progress.**

Explanation: An attempt to install the transient data queue *tdqname* on the CICS system has failed because the the queue has already been defined to the system and initialization has not completed.

It is not possible to replace a TD resource definition while CICS is still initializing. This problem only occurs during a cold or initial start of the system where both DCT macro and RDO definitions are being used, or where more than one group is being installed as part of GRPLIST processing.

System Action: Processing continues. The definition is not installed.

User Response: Remove one of the entries from the macro definition or RDO group so that the failure does not reccur on a subsequent cold or initial start.

Destination: Console and Terminal End User

Module: DFHAMTD

XMEOUT Parameters: *applid, tdqname*

DFHAM4836 E *applid* **Install of DB2CONN** *db2conn-name* **failed because a DB2CONN is already installed and is in use.**

Explanation: An attempt to install the DB2CONN *db2conn-name* on the CICS system has failed because there is an existing DB2CONN installed and it is in use by the CICS-DB2 adapter.

System Action: Processing continues. The definition is not installed.

User Response: Only one DB2CONN can be installed on the CICS system at a time. The install of a second DB2CONN implies the discarding of the first DB2CONN and all its associated DB2ENTRYs and DB2TRANs.

A DB2CONN definition can be replaced or discarded only when it is not in use by the CICS-DB2 adapter. Ensure that the CICS-DB2 interface has been stopped before trying to install a DB2CONN definition.

Destination: Console and Terminal End User

Module: DFHAMP

XMEOUT Parameters: *applid, db2conn-name*

DFHAM4837 E *applid* **Install of**{ *DB2ENTRY | DB2TRAN* }*name* **failed because a DB2CONN is not installed.**

Explanation: An attempt to install the DB2ENTRY or DB2TRAN *name* on the CICS system failed because there is no DB2CONN installed. DB2TRANs and DB2ENTRYs can be installed only after a DB2CONN has been installed.

System Action: Processing continues. The definition is not installed.

User Response: Install a DB2CONN definition and then retry the install of the DB2ENTRY or DB2TRAN.

Destination: Console and Terminal End User

Module: DFHAMP

XMEOUT Parameters: *applid, {1=DB2ENTRY , 2= DB2TRAN }, name*

DFHAM4838 E *applid* **Install of DB2ENTRY** *db2entry-name* **failed because an existing definition could not be deleted. The existing definition is not disabled.**

Explanation: An attempt to install the DB2ENTRY *db2entry-name* on the CICS system has failed because there is an existing DB2ENTRY of the same name which is not in a disabled state.

System Action: Processing continues. The definition is not installed.

User Response: Existing DB2ENTRY definitions can be replaced only when the DB2ENTRY is in a disabled state. Issue a command to disable the DB2ENTRY and then retry the install.

Destination: Console and Terminal End User

Module: DFHAMP

XMEOUT Parameters: *applid, db2entry-name*

DFHAM4839 E *applid* **List** *listname* **not found.**

Explanation: The system initialization table (SIT) used for CICS initialization contains a GRPLIST parameter, but CICS cannot find the list *listname* in the CSD file.

System Action: CICS issues the request 'ENTER ALTERNATIVE NAME OR CANCEL'.

User Response: Enter a valid list name.

If no suitable user-defined list exists, you can initialize a minimum-function system with GRPLIST=DFHLIST, then use the CEDA transaction to review and correct the faulty list, to install the required group, and to rebuild a suitable list. Finally, cancel CICS, correct the GRPLIST parameter in the SIT, and reinitialize CICS.

Destination: Console and Terminal End User

Module: DFHAMP

XMEOUT Parameters: *applid, listname*

DFHAM4840 W Group *grpname* **not appended - group already exists in target list.**

Explanation: The group *grpname* already exists in the target list.

System Action: The group definition is not appended.

User Response: None.

Destination: Terminal End User

Module: DFHAMP

DFHAM4841 E *applid* **Install failed because definition of** *restype resname* **is in use by task no.** *taskno* **(transaction id.** *tranid***).**

Explanation: An attempt was made to install object definition *restype resname* on the CICS system, but the installation failed because a read lock was held on that definition by task *taskno*.

System Action: No definitions have been installed.

User Response: Try the command again later.

Destination: Console and Terminal End User

Module: DFHAMP

XMEOUT Parameters: *applid, restype, resname, taskno, tranid*

DFHAM4842 E *applid* **Install failed because** *restype resname* **is currently in use.**

Explanation: An attempt was made to install object definition *restype resname* on the CICS system, but the installation failed because the object was in use.

System Action: No definitions have been installed.

User Response: Try the command again later.

Destination: Console and Terminal End User

Module: DFHAMP

XMEOUT Parameters: *applid, restype, resname*

DFHAM4843 W *applid ttttttt nnnnnnnn* **is internally locked to OPID** *opid* **APPLID** *applid***.**

Explanation: The identified group or list *ttttttt* is internally locked to operator *opid* on CICS system *applid* when an install is attempted. This could occur at a cold or initial start when the CSD is shared between several CICS regions and operations on that group or list are incomplete.

System Action: The install continues.

User Response: Check that the installed definitions correspond to your requirements.

Destination: Console and Terminal End User

Module: DFHAMP

XMEOUT Parameters: *applid, tttttttt, nnnnnnnn, opid, applid*

DFHAM4844 W *restype resname1* **in group** *grpname1* **has the same name as a** *restype* **later in group** *grpname2***.**

Explanation: The CHECK command encountered a duplicate object name.

System Action: None in the CHECK command, but the earlier definition will be ignored when the definitions are installed, because they both belong to the same CICS table in which duplicate entries may not exist.

User Response: Determine why the duplicate condition exists and rectify it if necessary.

Destination: Terminal End User

Module: DFHAMP

DFHAM4845 W *restype1 resname1* **referenced by** *restype2 resname2* **in group** *grpname* **cannot be found.**

Explanation: The CHECK command found a reference in a transaction definition to an object definition that does not exist.

System Action: None in the CHECK command, but errors may occur if that definition is installed and used.

User Response: Determine why the object definition cannot be found and rectify it if necessary.

Destination: Terminal End User

Module: DFHAMP

DFHAM4846 W The *xxxxxxxx* **of transaction** *tranid1* **in group** *grpname* **duplicates that of transaction** *tranid2* **in group** *grpname***.**

Explanation: The CHECK command found a transaction definition with the same alias as another transaction.

System Action: No system action occurs for the CHECK command. However, errors may occur if that definition is installed and used.

User Response: Determine why the duplicate situation occurs and rectify it if necessary.

Destination: Terminal End User

Module: DFHAMP

DFHAM4847 W RELOAD(YES) has been specified for non-RPG program *progname* **referenced by transaction** *tranid* **in group** *grpname***.**

Explanation: The CHECK command found a transaction definition that referenced a non-RPG II program for which RELOAD=YES was specified.

System Action: If the definition is installed, CICS will not release storage for the first program invoked by a transaction unless the language is RPG II.

User Response: Specify RELOAD (NO).

Destination: Terminal End User

Module: DFHAMP

DFHAM4848 W Program *progname* **in group** *grpname* **specifies language RPG which is not supported on CICS.**

Explanation: The CHECK command, executing under CICS Transaction Server for OS/390 encountered an RPG II program definition. RPG II is not supported on CICS.

System Action: If the definition is installed, the program language is overwritten.

User Response: Change the language as appropriate.

Destination: Terminal End User

Module: DFHAMP

DFHAM4849 W NETNAME *netname* **of** *{CONNECTION | TERMINAL} rsrcname1* **in group** *grpname1* **duplicates that of** *{CONNECTION | TERMINAL} rsrcname2* **in group** *grpname2***.**

Explanation: The CHECK command found a connection or terminal definition with a NETNAME that is the same as the NETNAME defined in another connection or terminal definition.

System Action: None in the CHECK command. However, it is not possible to install two terminals or a terminal and a connection with the same NETNAME. Also, you cannot have two or more APPC links with the same NETNAME, an APPC link and an LUTYPE6.1 link with the same NETNAME or two or more IRC connections with the same NETNAME.

User Response: Determine why the duplication exists and rectify the problem.

Destination: Terminal End User

Module: DFHAMP

DFHAM4850 E *applid* **Install of DB2TRAN** *db2tran-name* **failed because DB2ENTRY** *db2entry-name* **to which it refers has not been installed.**

Explanation: An attempt to install the DB2TRAN *db2tran-name* on the CICS system has failed because the DB2ENTRY to which it refers, *db2entry-name*, has not been installed.

System Action: Processing continues. The definition is not installed.

User Response: Ensure that the name of DB2ENTRY in the DB2TRAN definition is correct. Install the necessary DB2ENTRY definition first then retry the install of the DB2TRAN.

Destination: Console and Terminal End User

Module: DFHAMP

XMEOUT Parameters: *applid, db2tran-name, db2entry-name*

DFHAM4851 E *applid* **Install of***{ DB2ENTRY | DB2TRAN | DB2CONN }name* **failed because of a security error.**

Explanation: An attempt to install the DB2CONN, DB2ENTRY, or DB2TRAN *name* on the CICS system has been rejected because of an error encountered while performing a security check.

System Action: Processing continues. The definition is not installed.

User Response: See the associated messages issued by the security manager for further guidance. Correct the error. Then reinstall the definition.

Destination: Console and Terminal End User

Module: DFHAMP

XMEOUT Parameters: *applid, {1=DB2ENTRY , 2= DB2TRAN , 3= DB2CONN }, name*

DFHAM4852 W *restype* **name** *resname* **begins with 'DFH'. Such names are reserved and may be redefined by CICS.**

Explanation: A name beginning with DFH was specified.

System Action: If the definition is installed, errors may occur.

User Response: Names beginning with “DFH” are reserved and may be redefined by CICS. You should avoid starting names with “DFH”.

Destination: Terminal End User

Module: DFHAMP

DFHAM4853 E *applid* **Install of DB2TRAN** *db2tran-name* **failed because another DB2TRAN is installed with the same transid.**

Explanation: An attempt to install the DB2TRAN *db2tran-name* on the CICS system has failed because there is an another DB2TRAN installed that specifies the same transid. You cannot install two DB2TRANs that specify the same transid.

System Action: Processing continues. The definition is not installed.

User Response: Examine the installed DB2TRAN definitions using inquire DB2TRAN commands to determine the name of the DB2TRAN specifying the same transid. If appropriate, discard that DB2TRAN and then reinstall this DB2TRAN.

Destination: Console and Terminal End User

Module: DFHAMP

XMEOUT Parameters: *applid, db2tran-name*

DFHAM4854 W The specified *{GROUP | LIST}* **contains** *objtype* **objects but no** *restype* **found.**

Explanation: The specified GROUP or LIST contains objects that need a resource type of *restype* but no such resource type is listed in the GROUP or LIST.

System Action: Processing continues.

User Response: This may not be an error, but ensure that the resource type *restype* is installed before installing the GROUP or LIST.

Destination: Terminal End User

Module: DFHAMP

DFHAM4855 W DVSUPRT(VTAM) must be specified for PROFILE *profname* **referenced by transaction** *tranid* **in group** *grpname***.**

Explanation: The CHECK command found a definition for a CICS-supplied transaction *tranid* without DVSUPRT(VTAM) specified in profile *progname*.

System Action: Unpredictable results occur if the definition is installed and used.

User Response: Specify DVSUPRT(VTAM).

Destination: Terminal End User

Module: DFHAMP

DFHAM4856 W INBFMH(ALL) must be specified for PROFILE *profname* **referenced by transaction** *tranid* **in group** *grpname***.**

Explanation: The CHECK command found a definition for a CICS-supplied transaction *tranid* without INBFMH(ALL) specified in profile *progname*.

System Action: The system abnormally terminates with abend code AXFO if the definition is installed and used.

User Response: Specify INBFMH(ALL).

Destination: Terminal End User

Module: DFHAMP

DFHAM4857 W The specified *{GROUP | LIST}* **contains more than one** *objtype***.**

Explanation: The specified GROUP or LIST contains more than one resource type *objtype*.

System Action: Processing continues.

User Response: Remove the duplication.

Destination: Terminal End User

Module: DFHAMP

DFHAM4858 S *applid* **Unable to perform request - DFHCSD not enabled.**

Explanation: The system initialization table (SIT) used for CICS initialization contains a GRPLIST parameter, but CICS cannot use the CSD file because it is disabled.

System Action: CICS terminates.

User Response: If you want to use the CSD file, check the system initialization parameters for DFHCSD and your JCL **before** the next CICS initialization.

Destination: Console and Terminal End User

Module: DFHAMP

XMEOUT Parameter: *applid*

DFHAM4859 S *applid* **Unable to perform request - The CSDSTRNO operand in the System Initialization Table (SIT) is too small.**

Explanation: Insufficient VSAM strings are available to allow CEDA to proceed.

System Action: No CEDA commands may be executed.

User Response: Wait until other CEDA users have terminated their sessions, or specify a CSDSTRNO value of twice the number of concurrent CEDA transactions in the SIT.

Destination: Console and Terminal End User

Module: DFHAMP

XMEOUT Parameter: *applid*

DFHAM4860 W The specified LIST contains DB2ENTRY or DB2TRAN definitions before a DB2CONN definition.

Explanation: The specified LIST contains DB2ENTRY and/or DB2TRAN definitions in a group containing no DB2CONN definition. No DB2CONN definition preceeds it in the list.

System Action: Processing continues.

User Response: A DB2CONN definition must be installed before DB2ENTRY and DB2TRAN definitions can be sucessfully installed. Ensure a DB2CONN definition is placed in a group before all

DB2ENTRY and DB2TRAN definitions in the list, or in the first group in the list containing DB2ENTRYs or DB2TRANs.

Destination: Terminal End User

Module: DFHAMP

DFHAM4861 W XTRANID of transaction *tranid* **in group** *grpname* **duplicates transaction ID** *tranid* **in group** *grpname***.**

Explanation: The check command found a transaction *tranid* in group *grpname* whose XTRANID duplicated a previous transaction ID.

System Action: No system action occurs for the CHECK command. However, the alias is ignored if the definitions are installed.

User Response: Determine why the duplication exists and rectify the problem.

Destination: Terminal End User

Module: DFHAMP

DFHAM4862 W transaction id *tranid* **in group** *grpname* **duplicates XTRANID of transaction** *tranid* **in group** *grpname***.**

Explanation: The check command found a transaction *tranid* in group *grpname* whose XTRANID duplicated a previous transaction ID.

System Action: No system action occurs for the CHECK command. However, the first transaction in the message is ignored if the definitions are installed.

User Response: Determine why the duplication exists and rectify the problem.

Destination: Terminal End User

Module: DFHAMP

DFHAM4863 I *name* **is now locked. No group or list of that name exists.**

Explanation: The LOCK command executed successfully, but no group or list of name *name* was found on the CSD file.

System Action: The name is locked.

User Response: None.

Destination: Terminal End User

Module: DFHAMP

DFHAM4864 S *applid* **Unable to perform operation - DFHCSD cannot be opened.**

Explanation: The system initialization table (SIT) used for CICS initialization contains a GRPLIST parameter, but CICS cannot use the CSD file for one of the following reasons:

1. The startup JCL does not contain the definition of the CSD file (DFHCSD).
2. The DDNAME or data set name of the CSD file is incorrectly coded in the startup JCL.
3. VSAM has diagnosed that the CSD file cannot be opened.
4. CICS file control cannot open DFHCSD because insufficient storage has been allocated by the job REGION= parameter.

System Action: CICS terminates.

User Response: The action to solve the problem depends on the cause as follows:

1. Correct the JCL.
2. Correct the JCL.
3. Check the system operator's console for VSAM messages, and correct all VSAM errors.
4. Increase the size limit of the DSAs or EDSAs.

Destination: Console and Terminal End User

Module: DFHAMP

XMEOUT Parameter: *applid*

DFHAM4865 S *applid* **Unable to perform operation - DFHCSD currently accessed by another user.**

Explanation: The system initialization table (SIT) used for CICS initialization contains a GRPLIST parameter. However, CICS cannot get read access to the CSD file because another region is accessing it, and the CSD cluster is defined to VSAM with SHAREOPTIONS(1).

System Action: CICS terminates.

User Response: To avoid a recurrence of this problem, recreate the CSD file specifying SHAREOPTIONS(2). See the *CICS System Definition Guide* for further details.

Destination: Console and Terminal End User

Module: DFHAMP

XMEOUT Parameter: *applid*

DFHAM4866 E Unable to perform operation: *name* **is IBM protected.**

Explanation: The user has attempted to change the contents of a group or list whose name begins with "DFH". These are IBM-protected.

System Action: The command is not executed.

User Response: You can copy from IBM-supplied groups or lists and change the **copied** group or list.

Destination: Terminal End User

Module: DFHAMP

DFHAM4867 E File name DFHCSD is reserved and must not be modified.

Explanation: You cannot define the CSD on the CSD itself.

System Action: The command is not executed.

User Response: Define DFHCSD via SIT options.

Destination: Terminal End User

Module: DFHAMP

DFHAM4868 W The LSRPOOLID of the LSRPOOL *lsrname* **in group** *grpname* **duplicates that of LSRPOOL** *lsrname* **in group** *grpname***.**

Explanation: When invoking the CEDA CHECK command, an LSRPOOL definition *lsrname* in group *grpname* was found which duplicated the LSRPOOLID of another LSRPOOL.

System Action: Processing continues.

User Response: Determine why the duplication exists and rectify the problem.

Destination: Terminal End User

Module: DFHAMP

DFHAM4869 E Single resource install of *restype resname* **in group** *grpname* **is not allowed.**

Explanation: The install of *restype resname* is not allowed via single resource install. It must be installed via group install.

System Action: The command is not executed.

User Response: Install group *grpname* via group install.

Destination: Terminal End User

Module: DFHAMP

DFHAM4870 E *applid* **Install failed for program** *progname* **- language RPG is not supported under MVS.**

Explanation: The GRPLIST parameter of the system initialization table (SIT) names a list in which a group contains a program *progname* that was defined with LANGUAGE(RPG).

System Action: CICS initialization continues. The definition in error is ignored.

User Response: Redefine program *progname* with the correct LANGUAGE definition.

Destination: Console and Terminal End User

Module: DFHAMP

XMEOUT Parameters: *applid, progname*

DFHAM4871 W *applid* **File** *filename* **has been installed but set** *filename* **failed.**

Explanation: Setting DSNAME and ENABLED takes place separately from the main part of INSTALL for a FILE, and can fail.

System Action: The file is installed but its state is not set.

User Response: Use the CEMT SET FILE command.

Destination: Console and Terminal End User

Module: DFHAMP

XMEOUT Parameters: *applid, filename, filename*

DFHAM4872 S *applid* **Unable to connect to CICS catalog.**

Explanation: DFHAMP was unable to connect to the CICS catalog for terminal installs.

System Action: CICS terminates.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: Console and Terminal End User

Module: DFHAMP

XMEOUT Parameter: *applid*

DFHAM4873 S *applid* **Unable to disconnect the CICS catalog.**

Explanation: DFHAMP was unable to disconnect the CICS catalog for terminal installs.

System Action: CICS terminates.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: Console and Terminal End User

Module: DFHAMP

XMEOUT Parameter: *applid*

DFHAM4874 E *applid* **Install of** *{TSMODEL | ENQMODEL} rsrce-name1* **failed because** *{PREFIX | ENQNAME} attribute-name* **already exists in** *{TSMODEL | ENQMODEL} rsrce-name2***.**

Explanation: An attempt to install the resource *rsrce-name1* on the CICS system has failed because the attribute *attribute-name* already exists in the installed resource *rsrce-name2*.

If the resource being installed is an ENQMODEL, another ENQMODEL with the same or a more generic nested enqname is installed and enabled.

System Action: Processing continues. The definition is not installed.

User Response: If you are sure you need to install resource *rsrce-name1* you need to discard resource *rsrce-name2* before attempting the re-install.

Destination: Console and Terminal End User

Module: DFHAMP

XMEOUT Parameters: *applid, {2=TSMODEL, 3=ENQMODEL}, rsrce-name1, {2=PREFIX, 3=ENQNAME}, attribute-name, {2=TSMODEL, 3=ENQMODEL}, rsrce-name2*

DFHAM4875 E Unable to perform operation: *name* **is currently being updated by APPLID** *applid* **OPID** *opid* **- please retry later.**

Explanation: The command which you issued cannot be performed because another user of CEDA is currently changing the contents of the group/list to which you referred.

System Action: The command is not executed.

User Response: Try the command again.

Destination: Terminal End User

Module: DFHAMP

DFHAM4876 W PARTNER *partnername* **specifies NETNAME** *netname* **which is not found in any CONNECTION definition that specifies access method = VTAM.**

Explanation: There is no VTAM connection within the current group for the netname referenced in the specified partner.

System Action: Other processing continues.

User Response: None.

Destination: Terminal End User

Module: DFHAMP

DFHAM4877 W PARTNER *partnername* **specifies a NETNAME and PROFILE for which there is no common implied SESSIONs definition.**

Explanation: The netname in a partner definition implies an associated connection definition which is in turn associated with a session definition. The profile definition referenced in a partner definition specifies a modename which can be associated with a sessions definition.

Within the current group, there is no common sessions definition implied by the specified partner definition.

System Action: Other processing continues.

User Response: None.

Destination: Terminal End User

Module: DFHAMP

DFHAM4879 W *{GROUP | LIST} name* **has been partially installed.**

Explanation: During the execution of an INSTALL command for the group or list *name*, some of the elements in the group or list installed successfully, but at least one failed.

System Action: Messages are produced indicating why the element or elements failed to install.

User Response: Use the messages already produced to determine why the install failed and to rectify the problem.

Destination: Terminal End User

Module: DFHAMP

DFHAM4880 S *applid* **Unable to perform operation - not allowed by file attributes for DFHCSD.**

Explanation: The CSDACC parameter in the system initialization table for DFHCSD does not allow CEDA to complete the command entered. The CSDACC parameter specifies the type of access permitted to the file. This can be one of the following:

READWRITE
READONLY

In order for a particular command to function, the access must be set appropriately.

System Action: The CEDA command is ignored.

User Response: Correct the CSDACC parameter in the SIT. The DFHCSD is defined in the bringup JCL and/or in the SIT.

Destination: Console and Terminal End User

Module: DFHAMP

XMEOUT Parameter: *applid*

DFHAM4881 I Group *name* **deleted.**

Explanation: The Group *grpname* has been deleted from the CSD.

System Action: Processing continues.

User Response: Check that the deleted group is not present on any list.

Destination: Terminal End User

Module: DFHAMP

DFHAM4882 W The *{TPNAME | XTPNAME}* **of transaction** *tranid* **in group** *grpname* **duplicates the** *{TPNAME | XTPNAME}* **of transaction** *tranid* **in group** *grpname***.**

Explanation: The CHECK command found a transaction whose XTPNAME matches the TPNAME of another transaction.

System Action: No system action occurs for the CHECK command, but the XTPNAME or TPNAME for the first transaction in the message is ignored if the definitions are installed.

User Response: Determine why the duplication exists. To rectify the problem, rename either the TPNAME or the XTPNAME.

Destination: Terminal End User

Module: DFHAMP

DFHAM4883 I List *listname* **deleted.**

Explanation: The List *listname* has been deleted from the CSD.

System Action: Processing continues.

User Response: Ensure that the deleted list is not used at a cold or initial start as the GRPLIST DFHSIT parameter.

Destination: Terminal End User

Module: DFHAMP

DFHAM4884 S *restype* **name** *resname* **is reserved by CICS.**

Explanation: The name *resname* you have selected for resource type *restype* is reserved by CICS and cannot be user defined.

System Action: The command is rejected.

User Response: Redefine *resname* and resubmit the command.

Destination: Terminal End User

Module: DFHAMP

DFHAM4886I *applid* **Installing list** *listname* **which matches specified generic list** *genlist***.**

Explanation: The GRPLIST parameter of the system initialization table (SIT) specifies a list name *genlist* that contains generic characters. While searching the CSD file, the list name *listname* was found to match the specified generic list.

System Action: The list name *listname* is installed.

User Response: None.

Destination: Console

Module: DFHAMP

XMEOUT Parameters: *applid, listname, genlist*

DFHAM4887 I *applid* **Unrecognized resource type found in the CSD file and has been ignored.**

Explanation: CICS has found an unrecognized resource type code in a CSD record. The unrecognized code does not match any of the function codes in the language definition table. This can occur for one of the following reasons:

1. You are using a CICS release that does not support a type of definition that was created on the CSD file by a later CICS release.
2. The language definition table (DFHEITSP or DFHEITCU) is invalid for this CICS release.
3. The CSD manager (DFHDMP) has passed an invalid CSD record buffer to DFHPUP. This is a CICS internal logic error.

System Action: The resource is ignored and the operation continues.

User Response: Determine which of the possible reasons caused the error. If you can eliminate reasons 1 and 2, you can assume that reason 3 applies.

Take action corresponding to the reason you have established as follows:

1. Ignore the message.
2. Ensure that the library contains versions of DFHEITSP and DFHEITCU that are valid for the CICS release you are running.
3. You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: Console and Terminal End User

Module: DFHAMP

XMEOUT Parameter: *applid*

DFHAM4888 I Group *groupname* **removed from list** *listname***.**

Explanation: During the execution of a DELETE command, the group *groupname* was deleted from the CSD. As a result of that, the list *listname* was updated to remove the deleted group from it.

System Action: Processing continues.

User Response: None.

Destination: Terminal End User

Module: DFHAMP

DFHAM4889 E *applid* **Install of** *{JOURNALMODEL | TSMODEL} resourcename* **failed because** *attribute attname* **is invalid.**

Explanation: An attempt to install object definition JOURNALMODEL/TSMODEL *resourcename* on the CICS system failed because the *attribute attname* specified is not correct.

System Action: The definition is not installed.

User Response: Correct the invalid parameter of the resource definition.

Destination: Console and Terminal End User

Module: DFHAMP

XMEOUT Parameters: *applid, {1=JOURNALMODEL, 2=TSMODEL}, resourcename, attribute, attname*

DFHAM4890 E *applid* **Install of TDQUEUE** *tdqname* **failed because the TYPE has not been specified.**

Explanation: An attempt to install the named TDQUEUE *tdqname* on the local CICS system failed because it has been defined with the REMOTESYSTEM attribute and the TYPE cannot be determined.

System Action: The definition is not installed.

User Response: Make the definition a dual purpose one by specifying both REMOTE attributes and TYPE.

Destination: Console and Terminal End User

Module: DFHAMP

XMEOUT Parameters: *applid, tdqname*

DFHAM4891 W *restype* **name** *resname* **begins with 'C'. Such names are reserved and may be redefined by CICS.**

Explanation: A resource name starting with C was specified. Names starting with C are reserved and may be redefined by CICS.

System Action: If the definition is installed, errors may occur.

User Response: Specify a different resource name.

Destination: Terminal End User

Module: DFHAMP

DFHAM4892 W *date time applid* **Install for group** *grpname* **has completed with errors.**

Explanation: The install of group *grpname* is now complete. All resources that are valid for installation have been installed, and recorded if appropriate, on the CICS catalog. There were errors during the installation of some resources in the group and these resources have been backed-out.

System Action: CICS continues. CICS issues messages identifying the cause of each installation failure.

User Response: Use the associated messages, available via the messages panel if CEDA is being used, or issued to transient data queues CSMT and CADL during system startup, to determine the cause of the errors. Once the cause of the errors has been eliminated, reinstall the group to install the missing definitions.

Destination: CADL

Module: DFHAMP

XMEOUT Parameters: *date, time, applid, grpname*

DFHAM4893 I *date time applid* **Install for group** *grpname* **has completed successfully.**

Explanation: The install of group *grpname* is now complete. All resources that are valid for installation have been installed, and recorded if appropriate, on the CICS catalog.

System Action: CICS continues

User Response: None

Destination: CADL

Module: DFHAMP

XMEOUT Parameters: *date, time, applid, grpname*

DFHAM4894 E *applid* **Install of** *{ENQMODEL} rsrcename1* **failed because installed** *{ENQMODEL} rsrcename2* **is not disabled.**

Explanation: An attempt to install the resource *rsrcename1* on the CICS system has failed because the resource *rsrcename2* is already installed and is not disabled.

System Action: Processing continues. The definition is not installed.

User Response: Resource *rsrcename2* must be disabled or discarded before resource *rsrcename1* can be installed. Ensure that resource *rscename2* is in the required state and then install the new definition.

Destination: Console and Terminal End User

Module: DFHAMP

XMEOUT Parameters: *applid, {3=ENQMODEL}, rsrcename1, {3=ENQMODEL}, rsrcename2*

DFHAM4895 E *applid* **Install of TSMODEL** *resourcename* **in group** *groupname* **failed because TS was started using an assembled TST without the MIGRATE option.**

Explanation: An attempt to install the TSMODEL *resource_name* in group *groupname* on the CICS system has failed because the system was started using an assembled TST without the MIGRATE option.

System Action: Processing continues. The definition is not installed.

User Response: If you want to install TSMODELs using RDO then either start CICS with a TST assembled with the

TYPE=(INITIAL,MIGRATE) option or don't specify a TST in your SIT parameters.

Destination: Console and Terminal End User

Module: DFHAMP

XMEOUT Parameters: *applid, resourcename, groupname*

DFHAM4896 E *applid* **Install of TDQUEUE** *tdqname* **failed because the queue is not closed.**

Explanation: An attempt to install the transient data queue *tdqname* on the CICS system has failed because the data set associated with this extrapartition TD queue is not closed.

System Action: Processing continues. The definition is not installed.

User Response: Intrapartition queues must be disabled, and extrapartition queues must be disabled and closed before they can be redefined. Ensure that the queue is in the required state and then install the new definition.

Destination: Console and Terminal End User

Module: DFHAMP

XMEOUT Parameters: *applid, tdqname*

DFHAM4897 W *applid* **The definition of** *{TDQUEUE | TCPIPSERVICE} resourcename* **specified** *{OPENTIME=INITIAL | STATUS=OPEN}* **but the open failed.**

Explanation: An attempt to install the resource *resourcename* on the CICS system has succeeded but the resource cannot be opened.

System Action: The definition is installed.

User Response: Determine the cause of the failure and then open the resource.

Destination: Console and Terminal End User

Module: DFHAMP

XMEOUT Parameters: *applid, {1=TDQUEUE, 7=TCPIPSERVICE}, resourcename, {1=OPENTIME=INITIAL, 7=STATUS=OPEN}*

DFHAM4898 E *applid* **Installation of** *{TDQUEUE | PROCESSTYPE} resourcename* **failed because of insufficient storage.**

Explanation: An attempt to install the resource *resourcename* on the CICS system has failed because insufficient storage is available to build the entry.

System Action: The definition is not installed.

User Response: Inform your system programmer. See the *CICS Problem Determination Guide* for guidance on dealing with storage problems.

Destination: Console and Terminal End User

Module: DFHAMP

XMEOUT Parameters: *applid, {1=TDQUEUE, 2=PROCESSTYPE}, resourcename*

DFHAM4899 E *applid* **TDQUEUE** *tdqname* **cannot be replaced because the existing definition is for a different queue type.**

Explanation: An attempt to install the transient data queue *tdqname* on the CICS system failed because its definition type is different from that of the definition already defined to the system.

System Action: The definition is not installed.

User Response: Either change the new definition so that it has the same type as the one currently installed on the system, or discard the current definition and then install the new one.

Destination: Console and Terminal End User

Module: DFHAMP

XMEOUT Parameters: *applid, tdqname*

DFHAM4901 E *applid* **Install of REQUESTMODEL** *resourcename1* **failed because a duplicate pattern already exists in** *resourcename2***. Current patterns are: OMGMODULE:** *Omgmodule* **OMGINTERFACE:** *Omginterface* **OMGOPERATION:** *Omgoperation* **TRANID:** *Tranid***.**

Explanation: An attempt to install the resource *resourcename1* on the CICS system has failed because a duplicate pattern has been found in *resourcename2*.

System Action: The definition is not installed.

User Response: Verify the patterns being installed for resource *resourcename1* against those for *resourcename2* before re-trying the install.

Destination: Console and Terminal End User

Module: DFHAMOP

XMEOUT Parameters: *applid, resourcename1, resourcename2, Omgmodule, Omginterface, Omgoperation, Tranid*

DFHAM4903 E *applid* **Install for TCPIPSERVICE** *tcpipservice* **has failed because the service is open.**

Explanation: The install of TCPIPSERVICE *tcpipservice* has failed because the service is open.

System Action: The install fails.

User Response: Close the service and retry the install.

Destination: Console and Terminal End User

Module: DFHAMP

XMEOUT Parameters: *applid, tcpipservice*

DFHAM4904 W *applid* **Opening TCPIPSERVICE** *tcpipservice* **has failed because port** *portno* **is already in use.**

Explanation: Opening TCPIPSERVICE *tcpipservice* has failed because the specified port number is in use.

System Action: The resource is installed but left in the closed state. Message DFHSO0109 is issued to the transient data queue CSOO.

User Response: Check that the port number specified is not already in use. Refer to the description of the message DFHSO0109 for more information.

Destination: Console and Terminal End User

Module: DFHAMP

XMEOUT Parameters: *applid, tcpipservice, portno*

DFHAM4905 E *applid* **Install failed for** *resource***. Option** *opt* **is not available on this system.**

Explanation: The install of the resource *resource* has failed because the current CICS system has not been configured to support the specified option *opt*.

System Action: The install fails.

User Response: Reconfigure the CICS system by specifying appropriate system initialization parameters to support the specified option. Then restart CICS.

Destination: Console and Terminal End User

Module: DFHAMDH

XMEOUT Parameters: *applid, resource, opt*

DFHAM4906 W *applid* **Opening TCPIPSERVICE** *tcpipservice* **has failed because port** *portno* **is not authorized.**

Explanation: Opening TCPIPSERVICE *tcpipservice* has failed because the specified port number is not authorized.

System Action: The resource is installed and left in the closed state. The message DFHSO0111 is written to the transient data queue CSOO.

User Response: Select a port that is authorized. See the description of message DFHSO0111 for more information.

Destination: Console and Terminal End User

Module: DFHAMP

XMEOUT Parameters: *applid, tcpipservice, portno*

DFHAM4907 W *applid* **Opening TCPIPSERVICE** *tcpipservice* **has failed because the IP address is not known.**

Explanation: Opening TCPIPSERVICE *tcpipservice* has failed because the specified IP address is not known.

System Action: The resource is installed but left in the closed state. The message DFHSO0110 is written to the transient data queue CSOO.

User Response: Select an IP address which is known. Refer to the description of message DFHSO0110 for more information.

Destination: Console and Terminal End User

Module: DFHAMP

XMEOUT Parameters: *applid, tcpipservice*

DFHAM4908 E *applid* **Install of DOCTEMPLATE** *doctemplate1* **failed because TEMPLATENAME(***template***) already exists in DOCTEMPLATE** *doctemplate2***.**

Explanation: The install of DOCTEMPLATE *doctemplate1* has failed because the TEMPLATENAME selected is already in use as the full template name for document template *doctemplate2*.

System Action: The install fails.

User Response: Either select a different TEMPLATENAME for *doctemplate1*, or discard the document template definition for *doctemplate2*.

Destination: Console and Terminal End User

Module: DFHAMDH

XMEOUT Parameters: *applid, doctemplate1, template, doctemplate2*

DFHAM4909 E *applid* **Install of DOCTEMPLATE** *doctemplate* **failed. DDNAME(***ddname***) not found.**

Explanation: The install of DOCTEMPLATE *doctemplate* has failed because the DDNAME(*ddname*) selected is not the name of a Data Definition statement for a partitioned dataset in the JCL for the current CICS job. *ddname* should be allocated to a PDS containing document templates to be used by the Document Handler domain.

System Action: The install fails.

User Response: Either select a DDNAME that does exist in the JCL for the current CICS job, or stop and restart CICS with the required DD statement added.

Destination: Console and Terminal End User

Module: DFHAMDH

XMEOUT Parameters: *applid, doctemplate, ddname*

DFHAM4910 E *applid* **Install of DOCTEMPLATE** *doctemplate* **failed. MEMBER(***membername***) not found in** *datasetname***.**

Explanation: The install of DOCTEMPLATE *doctemplate* has failed because member *membername* was not found in the partitioned dataset *datasetname*.

System Action: The install fails.

User Response: Ensure that member *membername* exists in the template library before installing the DOCTEMPLATE That references it.

Destination: Console and Terminal End User

Module: DFHAMDH

XMEOUT Parameters: *applid, doctemplate, membername, datasetname*

DFHAPxxxx messages

DFHAP0001 *applid* **An abend (code** *aaa/bbbb***) has occurred at offset** *X'offset'* **in module** *modname***.**

Explanation: An abnormal end (abend) or program check has occurred in module *modname*. This implies that there may be an error in CICS code.

Alternatively:

- Unexpected data has been input,
- Storage has been overwritten, or
- There has been a program check within a user program.

The code *aaa* is, if applicable, a 3-digit hexadecimal MVS system completion code (for example, 0C1 or D37). If an MVS code is not applicable, this field is filled with three hyphens. The 4-digit code *bbbb*, which follows *aaa*, is a user abend code produced either by CICS or by another product on the user's system.

If X'*offset*' contains the value X'FFFF', then module *modname* was in control at the time of the abend, but the program status word (PSW) was not addressing this module.

System Action: An exception entry is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

Either this is a critical error and CICS is terminated, even if you have specified in the dump table that CICS should not terminate.

Or CICS will continue unless you have specified in the dump table that CICS should terminate. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Notify the system programmer.

Look up the MVS code *aaa*, if there is one, in the relevant MVS codes manual which is detailed in the book list in the front of this manual.

If the *modname* insert contains the value *????*, then CICS was unable to determine which module has abnormally terminated. In this case, examine the system dump to determine which area of code has caused the program check.

The user should examine other messages to determine what the module which issued this message was doing at the time the abend occurred. From these messages they can deduce which product has produced the abend code *bbbb*. If *bbbb* is identified as a CICS code, it may be either alphameric or numeric.

- If the CICS code is alphameric (for example AKEA) then it is a CICS transaction abend code.
- If the CICS code is numeric (for example 1310), it refers to a CICS message (DFHTS1310 in our example).

If the user abend code is from another product (for example, IMS), refer to the appropriate messages and codes manual to determine the cause of the abend.

The entries in the appropriate manuals will give the user guidance regarding the nature of the error, and may also give some guidance concerning the appropriate user response.

Note: The program check may have occurred in a user program. If this is the case, the program check is usually followed by an ASRA or an ASRB transaction abend and a transaction dump.

If you want to suppress system dumps that precede ASRA and ASRB abends, you must specify this on an entry in the dump table, using either CEMT or an EXEC CICS command. Further guidance on suppressing system dumps can be found in the *CICS System Definition Guide*.

You may need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Modules: DFHABAB, DFHAFMT, DFHAPDM, DFHAPDN, DFHAPEX, DFHAPIQ, DFHAPJC, DFHAPNT, DFHAPSM, DFHAPST, DFHAPSI, DFHAPXM, DFHAPXME, DFHDKMR, DFHEDFE, DFHEISR, DFHICXM, DFHMRXM, DFHSAIQ, DFHSIPLT, DFHSRP, DFHSTDT, DFHSTFC, DFHSTLK, DFHSTLS, DFHSTSZ, DFHSTTD, DFHSTTM, DFHSTTR, DFHSTTS, DFHSUEX, DFHTDXM, DFHTMP, DFHTSUT, DFH62XM

XMEOUT Parameters: *applid, aaa/bbbb, X'offset', modname*

DFHAP0002 *applid* **A severe error (code** *X'code'***) has occurred in module** *modname***.**

Explanation: An error has been detected in module *modname*. The code X'*code*' is the exception trace point id which uniquely identifies what the error is and where the error was detected.

System Action: An exception entry is made in the trace table (X'*code*' in the message). A system dump is taken, unless you have specifically suppressed dumps in the dump table.

If this message is issued from DFHAPEX or DFHSUEX, and the exit point is XDUREQ, then a system dump is not taken in order to prevent recursive dumping.

Either this is a critical error and CICS is terminated, even if you have specified in the dump table that CICS should not terminate.

Or CICS will continue unless you have specified in the dump table that CICS should terminate. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Notify the system administrator. This failure indicates a serious error in CICS. If you have not requested termination in the dump table, you may want to terminate CICS. For further information about CICS exception trace entries, see the *CICS Problem Determination Guide*.

You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Modules: DFHABAB, DFHAFMT, DFHAPDM, DFHAPDN, DFHAPEX, DFHAPJC, DFHAPLI, DFHAPLJ, DFHAPSI, DFHAPSIP, DFHAPSM, DFHAPST, DFHAPTI, DFHAPTIM, DFHAPTIX, DFHAPXM, DFHAPXME, DFHCJVM, DFHDKMR, DFHERM, DFHEISR, DFHICXM, DFHPCPG, DFHSIPLT, DFHSTDT, DFHSTFC, DFHSTJC, DFHSTLK DFHSTLS, DFHSTSZ, DFHSTTD, DFHSTTM, DFHSTTR, DFHSTTS, DFHSUEX, DFHSUZX, DFHTMP, DFHTDXM, DFHVEH, DFHXCPA, DFHXSWM, DFHZCUT

XMEOUT Parameters: *applid, X'code', modname*

DFHAP0003 *applid* **Insufficient storage (code** *X'code'***) in module** *modname***.**

Explanation: A CICS GETMAIN was issued by module *modname*, but there was insufficient storage available to satisfy the request.

The code X'*code*' is the exception trace point id which uniquely identifies the place where the error was detected.

System Action: An exception entry is made in the trace table (code X'*code*' in the message). A system dump is taken, unless you have specifically suppressed dumps in the dump table. CICS will continue unless you have specified in the dump table that CICS should terminate.

If appropriate, an error return code is sent to the caller of this domain. In this case, CICS could be terminated by the caller (for example, the domain manager, DFHDMDM). A message will be issued to this effect. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Inform the system programmer.

Try increasing the size of the DSA or EDSA. See the *CICS System Definition Guide* or the *CICS Customization Guide* for further information on controlling CICS storage.

You may need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Modules: DFHAPDM, DFHAPSIP

XMEOUT Parameters: *applid, X'code', modname*

DFHAP0004 *applid* **A possible loop has been detected at offset** *X'offset'* **in module** *modname***.**

Explanation: A CICS function is taking more time to process than CICS expects. A possible loop has been detected in module *modname* at offset X'*offset*'. This is the offset of the instruction which was executing at the time the error was detected.

System Action: An exception entry is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

If this message is issued from DFHAPEX or DFHSUEX, and the exit point is XDUREQ, then a system dump is not taken in order to prevent recursive dumping.

Either this is a critical error and CICS is terminated, even if you have specified in the dump table that CICS should not terminate.

Or CICS will continue unless you have specified in the dump table that CICS should terminate. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Notify the system programmer. If CICS has not been terminated, it will be necessary to decide whether the problem is serious enough to bring CICS down.

Since some CICS functions can use a lot of processor time, this message may have been caused by a long-running function. So there may not be an error here. Usually, CICS will purge a CICS function which exceeds the runaway task time interval which you have specified in the SIT (this is the ICVR which is measured in milliseconds). This means that the module *modname* will be terminated and CICS will continue.

But if you have declared ICVR=0 in the SIT and you consider that module *modname* has gone into a loop, you will have to terminate CICS in order to terminate the runaway function.

If CICS has terminated module *modname*, and you consider that it was not a runaway, you should increase the ICVR time interval in the SIT. You will have to bring CICS down at a suitable time to do this permanently. But you can change the ICVR time interval temporarily online, using the CEMT transaction.

If raising the ICVR time does not solve the problem, you need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Modules: DFHAFMT, DFHAPDM, DFHAPDN, DFHAPEX, DFHAPIQ, DFHAPJC, DFHAPSM, DFHAPST, DFHAPSI, DFHAPXM, DFHAPXME, DFHDKMR, DFHEDFE, DFHEISR, DFHICXM, DFHSAIQ, DFHSIPLT, DFHSTDT, DFHSTFC, DFHSTJC, DFHSTLK, DFHSTLS, DFHSTSZ, DFHSTTD, DFHSTTM, DFHSTTR, DFHSTTS, DFHSUEX, DFHTDXM, DFHTSUT

XMEOUT Parameters: *applid, X'offset', modname*

DFHAP0005 *applid* **A hardware error has occurred (module** *modname***, code** *X'code'***). MVS Store Clock found inoperative.**

Explanation: A hardware error has occurred during the running of module *module*. The MVS store clock facility is the timing mechanism for the operating system.

The code X'*code*' is the exception trace point ID which uniquely identifies the place where the error was detected.

System Action: An exception entry (code *code* in the message) is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

This is a critical error and CICS is terminated, even if you have specified in the dump table that CICS should not terminate.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Investigate the MVS store clock to determine whether it is working properly. If this is the cause, you should take the appropriate action to have it repaired or replaced.

In the unlikely event that this is not a hardware problem, you need further assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Module: DFHZCUT

XMEOUT Parameters: *applid, modname, X'code'*

DFHAP0100 *applid* **Suffixed module** *modname* **cannot be loaded. Enter new suffix, 'YES'(unsuffixed), 'NONE'(dummy), or 'CANCEL'**

Explanation: During AP domain initialization, a suffixed CICS module or table could not be loaded.

System Action: The AP domain initialization routines wait for the operator to:

- Enter an alternative two-character suffix,
- Enter 'YES' to request the unsuffixed version,
- Enter 'NONE' to request that a dummy version of the program or table be loaded, or
- Enter 'CANCEL'.

  If 'CANCEL' is entered, CICS is abnormally terminated at the end of the nucleus process.

User Response: Determine whether the suffix is correct. If it is not, enter one of the replies listed in the System Action.

If you enter 'CANCEL', correct the error by adding the module to the appropriate library and then restart CICS.

Destination: Console

Module: DFHSIB1

XMEOUT Parameters: *applid, modname*

DFHAP0101 *applid* **Suffixed module** *modname* **cannot be loaded.**

Explanation: During AP domain initialization, a suffixed CICS module or table could not be loaded. This message is issued for all suffixable modules which cannot be located after CANCEL has been specified in response to a preceding DFHAP0100 message.

System Action: The AP domain initialization continues until the end of the nucleus load process. CICS is then abnormally terminated with a dump.

User Response: Determine whether the suffix is correct. If it is not, either correct the SIT or name the correct suffix via an override for the next initialization of CICS. Otherwise correct the error by adding the module to the appropriate library.

Destination: Console

Module: DFHSIB1

XMEOUT Parameters: *applid, modname*

DFHAP0501 *date time applid* **Program** *progname* **has issued an ADDRESS CSA command that is no longer supported.**

Explanation: The program *progname* has attempted to address the CSA. This function is no longer supported. The address returned is now fetch protected. Any attempt to reference this address results in an abend.

System Action: CICS continues.

User Response: Remove this command from the application program. Translate and compile. Remove any references to the address that was previously returned.

Destination: CMIG

Module: DFHEEI

XMEOUT Parameters: *date, time, applid, progname*

DFHAP0601 *applid* **Force purge of transaction id** *tranid* **transaction number** *trannum* **has been deferred because the transaction is executing post commit syncpoint processing.**

Explanation: CICS has received a request to force purge a transaction. The target of the force purge request is part way through processing the second phase of a two phase syncpoint. If the purge was accepted at this time, the target transaction would be abended and this would cause CICS to fail with a U0408 abend. There is no way of purging the target transaction while it is in this state. Transactions should only remain in this state for a short period of time. A subsequent attempt to force purge the transaction may preempt the deferred abend issued by the system when this condition was detected. This would result in the transaction being purged from the system faster than if the deferred purge is left to take effect.

System Action: CICS defers the purge until the target transaction is no longer protected against purge.

User Response: Retry the purge after a short interval if the target transaction has not ended.

Note: Do not attempt to reroute this message to a transient data queue.

Destination: Console

Module: DFHAPXME

XMEOUT Parameters: *applid, tranid, trannum*

DFHAP0602 *applid* **Force purge of transaction id** *tranid* **transaction number** *trannum* **has been deferred because the transaction is executing transaction backout.**

Explanation: CICS has received a request to force purge a transaction. The target of the force purge request is part way through transaction backout processing (either as a result of an earlier transaction abend, or a syncpoint rollback request). If the purge was accepted at this time, the target transaction would be abended and this would cause CICS to fail with a U0405 abend. There is no way of purging the target transaction while it is in this state. Transactions should only remain in this state for a short period of time. A subsequent attempt to force purge the transaction may preempt the deferred abend issued by the system when this condition was detected. This would result in the transaction being purged from the system faster than if the deferred purge is left to take effect.

System Action: CICS defers the purge until the target transaction is no longer protected against purge.

User Response: Retry the purge after a short interval if the target transaction has not ended.

Note: Do not attempt to reroute this message to a transient data queue.

Destination: Console

Module: DFHAPXME

XMEOUT Parameters: *applid, tranid, trannum*

DFHAP0603 *applid* **Forcepurge of transaction ID** *tranid*, **transaction number** *trannum*, **recovery token** *X'rtoken'* **has been deferred because the transaction is waiting for a DLI request in DBCTL to complete.**

Explanation: CICS has received a request to forcepurge a transaction. The target of the forcepurge request is waiting in DBCTL (or an IMS DC system which CICS thinks is a DBCTL) for the DLI request to complete. If the forcepurge was accepted at this time, the IMS system would fail with a U113 abend. The target transaction cannot be purged while it is in this state. Transactions should only remain in this state for a short time, unless the transaction is requesting some data or resource held by some other task in DBCTL. The recovery token may be used to identify which DBCTL thread corresponds to your task. (Issue /DIS CCTL ALL against the relevant DBCTL). One of the other active threads probably holds the resource you are waiting for. A subsequent attempt to forcepurge the transaction may preempt the deferred abend issued by the system when this condition was detected. This would result in the transaction being purged from the system faster than if the deferred purge is left to take effect.

System Action: CICS defers the forcepurge until the target transaction is no longer protected against purge.

User Response: Retry the forcepurge after a short interval if the target transaction has not ended. If the purge is still deferred, you will not be able to purge this transaction until the resource it is waiting for is released.

Note: Do not attempt to reroute this message to a transient data queue.

Destination: Console

Module: DFHAPXME

XMEOUT Parameters: *applid, tranid, trannum, X'rtoken'*

DFHAP0604 *applid* **Forcepurge of transaction ID** *tranid*, **transaction number** *trannum*, **recovery token** *X'rtoken'* **has been deferred because the transaction is on a CICS-DB 2 ready queue waiting for a thread or TCB to become available.**

Explanation: CICS has received a request to forcepurge a transaction. The target of the forcepurge request is queued on a CICS-DB2 ready queue awaiting a DB2 thread or TCB to become available. The target transaction cannot be purged while it is in this state.

If the CEMT INQUIRE TASK panel shows the task with an htype value of 'CDB2TCB', this means the task is awaiting a CICS-DB2 subtask TCB to become available. If the htype value is 'CDB2RDYQ, this means the task is awaiting a CICS-DB2 thread to become available, and Hvalue identifies the pool, or the particular DB2ENTRY against which it is queued. Transactions should remain in this state only for a short time.

System Action: CICS defers the forcepurge until the target transaction is no longer protected against purge.

User Response: If the task is queued awaiting a CICS-DB2 subtask TCB, you can increase the value of TCBLIMIT in the

DB2CONN. If the transaction is awaiting a CICS-DB2 thread, you can increase the THREADLIMIT value in the DB2ENTRY, or in the DB2CONN for the pool.

Note: Do not attempt to reroute this message to a transient data queue.

Destination: Console

Module: DFHAPXME

XMEOUT Parameters: *applid, tranid, trannum, X'rtoken'*

DFHAP0701 *applid* **An abend (code** *abcode***) has occurred in exit program** *progname* **at exit point** *xxxxxxxx***.**

Explanation: An abnormal end (abend) or program check has occurred in the program *progname*. This implies that there is an error in the error program, that unexpected data has been input, or storage has been overwritten.

The code is a three digit hexadecimal MVS code (if applicable), followed by a four digit alphanumeric CICS code. The MVS code is a system completion code (for example, 0C1 or D37). If an MVS code is not applicable, this field is filled with three hyphens. The CICS code is an abend code or a number referring to a CICS message (for example, AKEA is a CICS abend code; 1310 refers to message DFHTS1310).

System Action: CICS makes an exception entry in the trace table and returns a zero return code to the exit point. CICS also produces a system dump unless:

- You have specifically suppressed dumps in the dump table, or
- The exit point is XDUREQ. No dump is taken in order to avoid recursive dumping.

Either CICS continues unless you have specified in the dump table that CICS should terminate.

Or This is a critical error and CICS is terminated, even if you have specified in the dump table that CICS should not terminate. If this is the case, a zero return code is returned to the CICS management module.

User Response: There might be a logic error in the user exit program *progname*. DISABLE the exit program from all exit points, by using the EXITALL operand in the EXEC CICS DISABLE, and correct the error.

For programming information about coding user exit programs see the *CICS Customization Guide*.

Destination: Console

Modules: DFHSUEX, DFHUEH

XMEOUT Parameters: *applid, abcode, progname, xxxxxxxx*

DFHAP0704 *applid* **A possible loop has been detected in exit program** *progname* **at exit point** *xxxxxxxx***.**

Explanation: The exit program *progname* was in control and the transaction has consumed more CPU time than has been specified in the ICVR. There is probably a loop.

System Action: CICS returns a zero return code to the exit point. CICS also produces a system dump unless

- You have specifically suppressed dumps in the dump table, or
- The exit point is XDUREQ. No dump is taken in order to avoid recursive dumping.

User Response: There is a probable logic error in the user exit program *progname*. DISABLE the exit program from all exit points by using the EXITALL operand in the EXEC CICS DISABLE, and correct the error.

Refer to the *CICS Customization Guide* for further information about coding user exit programs.

If you think there is no loop, you can increase the runaway task time interval in the ICVR by using CEMT. This is explained in the *CICS Supplied Transactions* manual.

Destination: Console

Modules: DFHSUEX, DFHUEH

XMEOUT Parameters: *applid, progname, xxxxxxxx*

DFHAP0705 W *date time applid* **The enable of task related user exit program** *progname* **has caused CICS to force taskdataloc(below) for all transactions.**

Explanation: Task-related user exit program *progname* has been enabled with options TASKSTART and LINKEDITMODE, and *progname* has been linkedited AMODE 24. This ensures that it is always invoked in amode 24. An amode 24 task-related user exit program can only be invoked if the calling transaction is defined with TASKDATALOC(below).

By enabling the AMODE 24 task-related user exit for task start, the user has forced CICS to force all subsequent transactions to run with taskdataloc(below).

System Action: CICS continues, but for the remainder of the CICS run, CICS insists that all transactions run with taskdataloc(below).

User Response: To avoid all transactions having to run with taskdataloc(below), modify the task-related user exit so that it is capable of running AMODE(31) when invoked for task start.

Ideally the task-related user exit should be modified so that it always runs AMODE 31 for whoever is the caller. In this case the exit program can be linkedited with the AMODE 31 attribute, and enabled with the LINKEDITMODE option. This ensures CICS always invokes it in AMODE 31.

Alternatively the task-related user exit could be modified so it is capable of being invoked in either amode. In this case the exit should be enabled without the LINKEDITMODE option. This means the exit will be invoked in the amode of its caller. For CICS calls such as task start, this will always be AMODE 31, but it does allow the exit to be invoked AMODE 24 for calls from an amode 24 application if this is desired.

See the *CICS Resource Definition Guide*. for more information on the TASKDATALOC option.

See the *CICS Customization Guide* for programming information on the LINKEDITMODE option when enabling task-related user exits.

Destination: Console and Transient Data Queue CSMT

Module: DFHUEM

XMEOUT Parameters: *date, time, applid, progname*

DFHAP0706 *applid* **A probable loop has been detected in task related user exit program** *progname***.**

Explanation: The task related user exit program *progname* was in control and the transaction has consumed more CPU time than has been specified in the ICVR. There is probably a loop.

System Action: CICS produces a system dump unless you have specifically suppressed dumps in the dump table.

User Response: There is a probable logic error in the task

related user exit program *progname*. DISABLE the exit program and correct the error.

Refer to the *CICS Customization Guide* for programming information about task-related user exit programs.

If there is no loop, you can avoid this problem by increasing the runaway task time interval in the ICVR using CEMT. This is explained in the *CICS Supplied Transactions*.

Destination: Console

Module: DFHERM

XMEOUT Parameters: *applid, progname*

DFHAP0707 *applid* **An abend (code** *abcode***) has occurred in task related user exit program** *progname***.**

Explanation: An abnormal end (abend) or program check has occurred in the task related user exit program *progname*. This implies that there is an error in the exit program, that unexpected data has been input, or storage has been overwritten.

The code is a three digit hexadecimal MVS code (if applicable), followed by a four digit alphanumeric CICS code. The MVS code is a system completion code (for example, X'0C1' or X'D37'). If an MVS code is not applicable, this field is filled with three hyphens. The CICS code is an abend code or a number referring to a CICS message (for example, AKEA is a CICS abend code; 1310 refers to message DFHTS1310).

System Action: CICS makes an exception entry in the trace table and produces a system dump unless you have specifically suppressed dumps in the dump table.

CICS continues unless you have specified in the dump table that CICS should terminate.

User Response: There might be a logic error in the task related user exit program *progname*. DISABLE the task related user exit program and correct the error.

For programming information about coding task related user exit programs see the *CICS Customization Guide*.

Destination: Console

Module: DFHERM

XMEOUT Parameters: *applid, abcode, progname*

DFHAP1006 *applid* **Resource definition recovery has failed with code** *X'code'* **in module** *modname***.**

Explanation: An error has been detected in module *modname* during startup. The code X'*code*' is the exception trace point ID which uniquely identifies the error and where it was detected.

System Action: An exception entry is made in the trace table (X'*code*' in the message). A system dump is taken, unless you have specifically suppressed dumps in the dump table.

This is a critical error and CICS is terminated even if you have specified in the dump table that CICS should not terminate.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Notify the system programmer. This failure indicates a serious error in CICS. For further information about CICS exception trace entries, see the *CICS Diagnosis Reference*.

You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Modules: DFHAPRDR, DFHTCRP

XMEOUT Parameters: *applid, X'code', modname*

DFHAP1007 *applid* **A GETMAIN has failed for a resource definition control block code** *X'code'* **in module** *modname***.**

Explanation: An storage request has failed in module *modname*. The code X'*code*' is the exception trace point ID which uniquely identifies the error and where it was detected.

System Action: An exception entry is made in the trace table (X'*code*' in the message). A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS continues unless you have specified in the dump table that CICS should terminate. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Notify the system administrator. This failure may indicate that you need to increase the size limits of the EDSAs. EDSA storage limits are specified by the EDSALIM system initialization parameter. See the *CICS System Definition Guide* for more guidance on EDSALIM. For further information about CICS exception trace entries, see the *CICS Diagnosis Reference*.

Destination: Console

Module: DFHAPRDR

XMEOUT Parameters: *applid, X'code', modname*

DFHAP1200 *applid* **A CICS request to the Language Environment/370 has failed. Reason code** *rc***.**

Explanation: CICS has attempted to communicate with AD/Cycle Language Environment/370, but due to an error, the function requested by CICS could not be performed.

System Action: If the error occurs during system initialization, then the initialization continues but without support for the Language Environment/370. If the error occurs in a user application program, then the transaction is abnormally terminated.

User Response: For an explanation of the Language Environment/370 return code *rc*, refer to the Language Environment/370 *Debugging Guide and Runtime Messages* manual.

If the error occurs during system initialization, check that the Language Environment/370 modules and the modules required for the languages supported by that environment have been correctly installed. In particular ensure that:

- The interface module CEECCICS has been placed in a library concatenated to the STEPLIB DD statement of the CICS startup job stream
- The required modules in the CSD have been defined (these modules are listed in the file CEESAMP which is supplied with the sample files on the distribution tape).

Destination: Console

Module: DFHAPLI

XMEOUT Parameters: *applid, rc*

DFHAP1201 *applid* **CICS is unable to initialize COBOL2 support. Reason code** *rc***.**

Explanation: During system initialization, CICS could not correctly initialize VS COBOL II support. The reason code *rc* is a hexadecimal return code from the VS COBOL II module IGZ9CIC (alias IGZECIC).

System Action: CICS continues initialization, but transactions invoking VS COBOL II programs will abend.

User Response: The reason for the failure is explained in an associated IGZ message. IGZ messages are documented in the *VS COBOL II Application Programming Debugging Guide*.

Ensure that VS COBOL II has been installed successfully, and that the necessary steps to enable CICS support for VS COBOL II have been carried out. These are listed in the *VS COBOL II Installation and Customization* manual.

In particular, ensure that you have placed the COBOL-CICS interface module, IGZECIC, in a library concatenated to the STEPLIB DD statement of the CICS startup job stream. Also ensure that the VS COBOL II environment specific modules (ESM) IGZExxxx being used are those from COB2CICS. Check that COB2CICS appears before COB2LIB in the STEPLIB concatenation.

Destination: Console

Module: DFHAPLI

XMEOUT Parameters: *applid, rc*

DFHAP1202I *applid* **CICS is unable to initialize C/370 support. Reason code** *rc***.**

Explanation: During system initialization, CICS could not initialize C/370 correctly.

The C/370 support module, EDCCICS, has been loaded correctly, but the necessary setup is not complete.

System Action: CICS continues initialization, but transactions invoking C programs will abend.

User Response: Check that you have installed C/370 successfully and have carried out the necessary steps to enable CICS support for C. For details of the meaning of reason code *rc*, refer to the *IBM C/370 User's Guide* (SC09-1264-03).

Destination: Console

Module: DFHAPLI

XMEOUT Parameters: *applid, rc*

DFHAP1203I *applid* **Language Environment/370 is being initialized.**

Explanation: This is an informatory message indicating that CICS is initializing support for the Language Environment/370.

System Action: System initialization continues.

User Response: None. You can suppress this message with the system initialization parameter, MSGLVL=0.

Destination: Console

Module: DFHAPLI

XMEOUT Parameter: *applid*

DFHAP1204I *applid* **COBOL2 is being initialized.**

Explanation: This is an informatory message indicating that CICS is initializing support for VS COBOL II.

System Action: System initialization continues.

User Response: None. You can suppress this message with the system initialization parameter, MSGLVL=0.

Destination: Console

Module: DFHAPLI

XMEOUT Parameter: *applid*

DFHAP1205I *applid* **C/370 is being initialized.**

Explanation: This is an informatory message indicating that CICS is initializing support for C/370.

System Action: System initialization continues.

User Response: None. You can suppress this message with the system initialization parameter, MSGLVL=0.

Destination: Console

Module: DFHAPLI

XMEOUT Parameter: *applid*

DFHAP1212 *date time applid* **The program** *program_name* **was defined as** *language1* **but CICS has redefined it as** *language2***.**

Explanation: You have defined program *program_name* as *language1*. During validation CICS determined that *language1* is not a valid language for *program_name* and has redefined the program with *language2*.

CICS is able to determine the program language automatically. It is therefore not necessary for users to pass the language of a program to CICS via an autoinstall exit.

System Action: Processing continues.

User Response: None. This message is issued for information only.

Destination: CSTL

Module: DFHAPLI

XMEOUT Parameters: *date, time, applid, program_name, language1, language2*

DFHAP1213 *applid* **An unexpected error has occurred during language initialization.**

Explanation: Either an error was detected when CICS tried to load one of the required language interface modules, or the region size you have defined for CICS is too small.

During the language initialization phase of CICS startup, an unexpected error has occurred while CICS was initializing the necessary support. Possibly CICS has determined that there is insufficient storage to enable run-time language support to be correctly installed. Application program execution is likely to be severely restricted if CICS continues.

System Action: CICS initialization continues.

User Response: You should examine the console log for any error messages which may have been issued by the operating system immediately preceding this CICS message. If no operating system messages were issued, it is likely that there is insufficient storage for CICS to continue and you should restart CICS with a larger region size.

Destination: Console

Module: DFHAPLI

XMEOUT Parameter: *applid*

DFHAP1214 *applid* **Language Environment/370 global ENVAR option defined with invalid CICS program options.**

Explanation: An error has been detected in the Language Environment global runtime ENVAR option. The ENVAR string contains a substring in the form 'CICSVAR=xx....xx', but 'xx....xx' is an invalid or unsupported program option. At this level of CICS, the only valid options are 'THREADSAFE' or 'QUASIRENT'.

System Action: The incorrect ENVAR substring is ignored.

User Response: Refer to the *CICS System Definition Guide* for information on how to define program options in the ENVAR string.

Destination: Console

Module: DFHAPLI

XMEOUT Parameter: *applid*

DFHAP1215 *applid* **Invalid CICS program options found in ENVAR string in program** *pgmname***.**

Explanation: The application program contains user-defined Language Environment runtime options, and an error has been detected in the specification of the ENVAR option. The ENVAR string contains a substring in the form 'CICSVAR=xx....xx', but 'xx....xx' is an unsupported or invalid program option. At this level of CICS, the only supported options are 'THREADSAFE' or 'QUASIRENT'.

System Action: The incorrect ENVAR substring is ignored.

User Response: Refer to the *CICS System Definition Guide* for information on how to define program options in the ENVAR string.

Destination: Console

Module: DFHAPLI

XMEOUT Parameters: *applid, pgmname*

DFHAP1216 *date time applid* **Attempt to change the HFS working directory to** *pathname* **has failed. Runtime error message is** *errmsg*

Explanation: The CICS-JVM interface attempted to change the working directory to *pathname* as specified via the CICS_HOME environment variable contained in the DFHJVM member of the SDFHENV dataset. The change directory command failed and the runtime message *errmsg* appended to the end of this message documents why the command failed.

System Action: The CICS-JVM interface is unable to change to the specified directory to open the stdin, stdout and stdout streams. The CICS transaction is abended with abend code AJMA.

User Response: Examine *errmsg* to determine why the change directory command failed. If necessary correct the setting of environment variable CICS_HOME in the DFHJVM member of the SDFHENV dataset.

Destination: CSMT

Module: DFHCJVM

XMEOUT Parameters: *date, time, applid, pathname, errmsg*

DFHAP1217 *date time applid* **Attempt to fetch user replaceable module DFHJVMAT has failed.**

Explanation: The CICS JVM interface issued a fetch to load user replaceable module DFHJVMAT. The native C fetch request failed.

System Action: The CICS transaction is abended with abend code AJM9.

User Response: Ensure that C program DFHJVMAT is present in a dataset in the CICS STEPLIB concatenation. Examine messages output by language environment/370 to determine why the fetch request failed.

Destination: CSMT

Module: DFHCJVM

XMEOUT Parameters: *date, time, applid*

DFHAP1218 *date time applid* **JVM failed to find the CICS Wrapper class** *classname*

Explanation: The CICS JVM interface invoked the JVM to locate the CICS Wrapper class *classname* used to set up the operating environment before executing the user Java class. The JVM failed to find the CICS Wrapper class on the HFS.

System Action: The CICS transaction is abended with abend code AJM2.

User Response: Examine the value set for CLASSPATH in the DFHJVM member of the SDFHENV dataset. The pathname for the CICS supplied dfjwrap.jar must be present in CLASSPATH.

Destination: CSMT

Module: DFHCJVM

XMEOUT Parameters: *date, time, applid, classname*

DFHAP1400 *applid* **The IIOP transaction cannot be started this way.**

Explanation: The IIOP transaction was not started by the CICS attach mechanism.

System Action: The IIOP Facility is terminated.

User Response: For instance, do not try to start the IIOP transaction from a terminal.

Destination: Console and Terminal End User

Modules: DFHIIOP, DFHIIOPA

XMEOUT Parameter: *applid*

DFHAP1401 *date time applid* **Unable to determine the transaction id. The tranid 'CIOD' will be used.**

Explanation: The inquire on the CEDA 'Request model' definition to determine the transaction name was not successful.

System Action: The transaction name 'CIOD' will be used as the default.

User Response: Check the CEDA definitions for the 'Request model'.

Destination: CSMT

Module: DFHIIOP

XMEOUT Parameters: *date, time, applid*

DFHAP1402 *date time applid* **The IIOP transaction has abended, the abend was** *abend***, the program was** *program***.**

Explanation: The IIOP transaction has abended.

System Action: The IIOP Facility is terminated.

User Response: Examine the dump and trace to determine the cause of the abend.

Destination: CSMT

Modules: DFHIIOP, DFHIIOPA

XMEOUT Parameters: *date, time, applid, abend, program*

DFHAP1403 *date time applid* **The IIOP header data is invalid; the message size was** *size***.**

Explanation: The IIOP transaction received an invalid header in a message and has returned an error message.

System Action: The IIOP Facility issues another receive.

User Response: Examine the contents of the returned error message.

Destination: CSMT

Module: DFHIIOP

XMEOUT Parameters: *date, time, applid, size*

DFHAP1404 *date time applid* **Cannot attach the IIOP transaction.**

Explanation: The Attach of the required transaction has failed.

System Action: The IIOP Facility re-issues a receive.

User Response: Check the transaction and the model definitions, for example CIOD and CIOF.

Destination: CSMT

Module: DFHIIOP

XMEOUT Parameters: *date, time, applid*

DFHAP1405 *date time applid* **Cannot link to program DFJIIOP, response=***response***, reason=***reason***.**

Explanation: The EXEC CICS LINK to DFJIIOP, the CORBA interface, failed.

System Action: The IIOP Facility is terminated.

User Response: Examine the return code to determine the cause of failure. See the *CICS Application Programming Reference* for an explanation of the EXEC CICS LINK responses.

Destination: CSMT

Module: DFHIIOPA

XMEOUT Parameters: *date, time, applid, response, reason*

DFHAP1406 *date time applid* **The call to the Socket domain failed, refer to earlier messages from TCP/IP and the Socket domain.**

Explanation: The call to the Socket domain failed.

System Action: The IIOP Facility is terminated.

User Response: Examine the previous messages from the Socket domain and TCP/IP to determine the cause.

Destination: CSMT

Modules: DFHIIOP, DFHIIOPA

XMEOUT Parameters: *date, time, applid*

DFHAP1407 *date time applid* **The GETMAIN call to aquire storage has failed, response=***response***, reason=***reason***.**

Explanation: The GETMAIN call has failed.

System Action: The IIOP Facility is terminated.

User Response: Examine the return code to determine the cause of failure.

Destination: CSMT

Modules: DFHIIOP, DFHIIOPA

XMEOUT Parameters: *date, time, applid, response, reason*

DFHAP1408 *date time applid* **No Socket domain session token was supplied to the CIOP transaction when it was started.**

Explanation: The IIOP transaction was started without a Socket domain session token.

System Action: The IIOP Facility is terminated.

User Response: This transaction must only be started by the Socket domain.

Destination: CSMT

Module: DFHIIOP

XMEOUT Parameters: *date, time, applid*

DFHAP1409 *date time applid* **The Link to the URM DFHXOPUS failed; the default userid will be used, response=***response***, reason=***reason***.**

Explanation: The EXEC CICS LINK to the User Replaceable Module DFHXOPUS has failed.

System Action: The default userid will be used to run the CORBA code.

User Response: None; if you are happy to let the userid default, otherwise check that the DFHXOPUS (URM) has been placed in the correct library. See "CICS for MVS/ESA.: Application Programming Reference" for an explanation of the EXEC CICS LINK responses.

Destination: CSMT

Module: DFHIIOP

XMEOUT Parameters: *date, time, applid, response, reason*

DFHAUxxxx Transaction affinity utility messages

DFHAU2101 *date time applid* **CAFF CANNOT START BECAUSE IT IS ALREADY IN USE.**

Explanation: Transaction CAFF is already being used when an attempt is made to start another CAFF transaction.

System Action: The second CAFF transaction is terminated because only one instance of CAFF is permitted.

User Response: Check where CAFF is currently in use. Only one user should be attempting to run the Detector at a given time.

Note: This message cannot be changed with the message editing utility.

Destination: CAFF and Terminal End User

Module: CAUCAFF1

DFHAU2102 *date time applid* **DETECTOR IS NOT** *state***.**

Explanation: An attempt was made to start, stop, pause, or continue the Detector from transaction CAFF. However, the Detector was not in an appropriate state *state* to make the change.

System Action: The Detector state is not changed.

User Response: Check why the Detector is currently in that state.

Note: This message cannot be changed with the message editing utility.

Destination: CAFF and Terminal End User

Module: CAUCAFF1

DFHAU2103 *date time applid* **DETECTOR IS ALREADY STOPPED.**

Explanation: An attempt was made to stop the Detector from transaction CAFF when the Detector was already STOPPED.

System Action: No action is taken.

User Response: Check why the Detector is currently in that state.

Note: This message cannot be changed with the message editing utility.

Destination: CAFF and Terminal End User

Module: CAUCAFF1

DFHAU2104 INVALID KEY PRESSED.

Explanation: The terminal operator has pressed a function key in response to a screen displayed by transaction CAFF, but the function key was not valid for that screen.

System Action: The function key is ignored.

User Response: Use the correct function key.

Note: This message cannot be changed with the message editing utility.

Destination: Terminal End User

Module: CAUCAFF1, CAUCAFF2, CAUCAFF7

DFHAU2105 *date time applid* **CAFF SESSION HAS ENDED.**

Explanation: Transaction CAFF has ended.

System Action: The state of the Detector is unchanged.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: CAFF and Terminal End User

Module: CAUCAFF1

DFHAU2106 OPTION MUST BE Y(YES) OR N(NO).

Explanation: You have entered an incorrect value for this CAFF operation option.

System Action: The CAFF operation options are not changed unless all of the input is correct.

User Response: Correct the invalid input.

Note: This message cannot be changed with the message editing utility.

Destination: Terminal End User

Module: CAUCAFF2

DFHAU2107 DATASPACE SIZE MUST BE AN INTEGER (10 TO 2000MB).

Explanation: You have entered an incorrect value for the Detector dataspace size. This gives the size in megabytes.

System Action: The CAFF operation options are not changed unless all of the input is correct.

User Response: Correct the invalid input with an integer in the range 10 through 2000.

Note: This message cannot be changed with the message editing utility.

Destination: Terminal End User

Module: CAUCAFF2

DFHAU2110 NO AMENDMENTS WERE ENTERED.

Explanation: You have pressed the ENTER key on the CAFF operation options screen (CAFF02) but no changes have been input.

System Action: No options are changed.

User Response: Enter any changes then press the ENTER key again.

Note: This message cannot be changed with the message editing utility.

Destination: Terminal End User

Module: CAUCAFF2

DFHAU2111 *date time applid* **CAFF OPTIONS UPDATED.**

Explanation: Transaction CAFF has successfully amended the operation options.

System Action: The operation options held on VSAM control file CAUCNTL are updated.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: CAFF and Terminal End User

Module: CAUCAFF2

DFHAU2114 RECORDS RESTORED.

Explanation: The Detector is being started with the restore data option set to Y. Records from the previous Detector run are retained on the affinity data files (CAUAFF1, CAUAFF2, CAUAFF3).

Records for those affinity command types being detected on this Detector run were found on the files and were read into the dataspace.

System Action: The Detector is started with any records from a previous run retained on the affinity data files and read into the dataspace.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: Terminal End User

Module: CAUCAFF3

DFHAU2115 *date time applid* **AFFINITY FILES EMPTIED.**

Explanation: The Detector is being started with the restore data option set to N. All existing affinity records were deleted from the affinity data files (CAUAFF1, CAUAFF2, CAUAFF3).

System Action: The Detector is started with empty affinity data files.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: CAFF and Terminal End User

Module: CAUCAFF3

DFHAU2116 DATASPACE IS TOO LARGE. NO STORAGE IS AVAILABLE.

Explanation: An attempt to start the Detector has failed because the table manager (CAUTABM) cannot obtain the requested storage for the MVS dataspace. The MVS real storage manager does not have enough resources.

System Action: The Detector start is abandoned and the Detector is stopped.

User Response: Decrease the dataspace size via the CAFF operation options.

Note: This message cannot be changed with the message editing utility.

Destination: Terminal End User

Module: CAUCAFF3

DFHAU2117 DATASPACE IS TOO LARGE. IEFUSI LIMIT REACHED.

Explanation: An attempt to start the Detector has failed because the table manager (CAUTABM) cannot obtain the requested storage for the MVS dataspace. The MVS exit IEFUSI has imposed a limit on address space size.

System Action: The Detector start is abandoned and the Detector is stopped.

User Response: Either use the CAFF operation options to decrease the dataspace size, or ask your MVS system programmer to increase the IEFUSI limit.

Note: This message cannot be changed with the message editing utility.

Destination: Terminal End User

Module: CAUCAFF3

DFHAU2118 NO RECORDS RESTORED.

Explanation: The Detector is being started with the restore data option set to Y. Records from the previous Detector run are retained on the affinity data files (CAUAFF1, CAUAFF2, and CAUAFF3).

No records for those affinity command types being detected on this Detector run were found on the files, so none were read into the dataspace.

System Action: The Detector is started with any records from a previous run retained on the affinity data files.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: Terminal End User

Module: CAUCAFF3

DFHAU2119 *date time applid* **CICS IS TERMINATING.**

Explanation: Transaction CAFF has ended because it has found that the CICS region has entered the quiesce state before shutdown.

System Action: Transaction CAFF is terminated. If the Detector state is anything other than STOPPED, transaction CAFB will stop the Detector.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: CAFF and Terminal End User

Module: CAUCAFF1

DFHAU2120 PRESS F5 TO CONFIRM START WITH DATA RESTORE.

Explanation: Press the F5 key to confirm that the Detector is to be started with the restore data option set to Y.

System Action: If you press the F5 key, the Detector is started with affinity data retained on the affinity data files and read into the dataspace. If you press any other key, the Detector is not started.

User Response: Press F5 to start the Detector.

Note: This message cannot be changed with the message editing utility.

Destination: Terminal End User

Module: CAUCAFF1

DFHAU2121 PRESS F5 TO CONFIRM START WITHOUT DATA RESTORE.

Explanation: Press the F5 key to confirm that the Detector is to be started with the restore data option set to N.

System Action: If you press the F5 key, the Detector is started with all of the data on the affinity data files deleted. If you press any other key, the Detector is not started.

User Response: Press the F5 key to start the Detector.

Note: This message cannot be changed with the message editing utility.

Destination: Terminal End User

Module: CAUCAFF1

DFHAU2122 PRESS F6 TO CONFIRM STOP DETECTOR.

Explanation: Press the F6 key to confirm that the Detector is to be stopped. The affinity data in the dataspace is saved to the affinity data files.

System Action: If you press the F6 key, the Detector is stopped and any changes made to the affinity data in the dataspace since the last save is saved to the affinity data files. If any other key is pressed, the Detector is not stopped.

User Response: Press the F6 key to stop the Detector.

Note: This message cannot be changed with the message editing utility.

Destination: Terminal End User

Module: CAUCAFF1

DFHAU2125 *applid* **CAFF CANNOT START WITHOUT DETECTOR ACTION.**

Explanation: The transaction ID CAFF has been entered without a Detector action at a console device. It is mandatory to supply a Detector action with CAFF at a console device.

System Action: Transaction CAFF is not initiated.

User Response: Ensure that an action (start, stop, pause, or continue) is entered after the CAFF transaction ID.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: CAUCAFF1

DFHAU2127 EMBEDDED BLANK IN TRANSID PREFIX IS INVALID.

Explanation: The transaction ID prefix entered on screen CAFF02 is invalid. The input is rejected because it contains an embedded blank character.

System Action: The CAFF operation options are not changed unless all of the input is correct.

User Response: Correct the invalid input.

Note: This message cannot be changed with the message editing utility.

Destination: Terminal End User

Module: CAUCAFF2

DFHAU2201 *date time applid* **CICS** *command object* **FAILED. RESP** *eibresp* **RESP2** *eibresp2* **RCODE** *eibrcode*

Explanation: Transaction CAFF or CAFB received an invalid response when issuing the EXEC CICS command *command*. The response is in *eibresp*, *eibresp2*, and *eibrcode*. If present, *object* gives the object operated on by the command.

System Action: The transaction is terminated with abend code AUZA and the Detector is stopped.

User Response: For further details of the exception *eibresp* refer to the command *command* in the *CICS Application Programming Reference* manual or the *CICS System Programming Reference* manual.

For further guidance on how to deal with system problems see too the *CICS Problem Determination Guide*.

Note: This message cannot be changed with the message editing utility.

Destination: CAFF

Module: CAUCAFF1, CAUCAFF2, CAUCAFF3, CAUCAFF4, CAUCAFF5, CAUCAFF6, CAUCAFF7, CAUCAFB1, CAUCAFB2

DFHAU2202 *date time applid* **VSAM** *filetype* **FILE** *filename command* **FAILED. RESP** *eibresp* **RESP2** *eibresp2*

Explanation: Transaction CAFF or CAFB received an invalid response when issuing the EXEC CICS command *command* on VSAM file *filename* of type *filetype*. The response is in *eibresp* and *eibresp2*.

System Action: The transaction is terminated with abend code AUZB and the Detector is stopped.

User Response: For further details of the exception *eibresp* refer to the command in the *CICS Application Programming Reference* manual or the *CICS System Programming Reference* manual.

For further guidance on how to deal with system problems, see the *CICS Problem Determination Guide*.

Note: This message cannot be changed with the message editing utility.

Destination: CAFF

Module: CAUCAFF1, CAUCAFF2, CAUCAFF3, CAUCAFF4, CAUCAFF5, CAUCAFF6, CAUCAFB2

DFHAU2203 *date time applid* **INTERNAL ERROR DETERMINING STATE IN TRANSACTION** *transaction* **PROGRAM** *program***.**

Explanation: Detector program *program* in transaction *transaction* was unable to determine the Detector state from either the VSAM control file record or from the Detector exit GWA.

System Action: The transaction is terminated with abend code AUZC and the Detector is stopped.

User Response: Attempt to reenter transaction CAFF. If you are still unable to use CAFF, run the VSAM job to delete and define the VSAM control file CAUCNTL. If this fails, you will need assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Note: This message cannot be changed with the message editing utility.

Destination: CAFF

Module: CAUCAFF1, CAUCAFF2

DFHAU2204 *date time applid* **CAFF IS BEING USED BY USER** *userid***.**

Explanation: User *userid* is using transaction CAFF.

System Action: This user has exclusive use of transaction CAFF.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: CAFF

Module: CAUCAFF1

DFHAU2205 *date time applid* **FILE** *filename* **CANNOT BE USED BY THIS CICS SYSTEM.**

Explanation: File *filename* was first used by a CICS system with a different CICS specific APPLID, and is therefore not useable by a CICS system with specific APPLID *applid*.

System Action: The transaction is terminated with abend code AUZD and the Detector is stopped.

User Response: Ensure that the file *filename* is the correct file for the CICS system in question. If the correct file cannot be located, run the VSAM job to delete and define file *filename*. If *filename* was the control file (CAUCNTL), the CAFF operation options may need to be amended via CAFF because the file is recreated with default option values. If *filename* was an affinity data file (that is CAUAFF1, CAUAFF2, or CAUAFF3), set the restore data option to N when the Detector is next started via CAFF.

Note: This message cannot be changed with the message editing utility.

Destination: CAFF

Module: CAUCAFF1, CAUCAFF3

DFHAU2206 *date time applid* **CICS** *command* **PROGRAM** *program* **FAILED. RESP** *eibresp* **RCODE** *eibrcode*

Explanation: Transaction CAFF or CAFB received an invalid response when issuing the EXEC CICS command *command* for Detector user exit program *program*.

System Action: The transaction is terminated with abend code AUZF and the Detector is stopped.

User Response: For further details of the exception *eibresp* see the command *command* in the *CICS System Programming Reference* manual.

For further guidance on how to deal with system problems, see the *CICS Problem Determination Guide*.

Note: This message cannot be changed with the message editing utility.

Destination: CAFF

Module: CAUCAFF1, CAUCAFF3, CAUCAFF4, CAUCAFF5, CAUCAFF6, CAUCAFB1

DFHAU2210 *date time applid* **CAUTABM CREATE DATASPACE FAILED. REASON** *reason_code* **ERROR** *error_code*

Explanation: Transaction CAFF received an invalid response when issuing a call to the table manager (CAUTABM) to create the MVS dataspace when starting the Detector.

System Action: The transaction is terminated with abend code AUZH and the Detector is stopped.

User Response: See the *CICS Transaction Affinities Utility Guide* for the meaning of the reason code.

If it is AUTM_DSPSERV_CREATE_ERROR, *error_code* is the value of GPR 0 after the MVS DSPSERV CREATE call.

If it is AUTM_ALESERV_ADD_ERROR, *error_code* is the value of GPR 15 after the MVS ALESERV ADD call.

Use the appropriate MVS manual to find out the meaning of the error code.

Note: This message cannot be changed with the message editing utility.

Destination: CAFF

Module: CAUCAFF3

DFHAU2211 *date time applid* **CAUTABM CREATE TABLE FAILED. REASON** *reason_code* **TABLE** *table_number*

Explanation: Transaction CAFF received an invalid response when issuing a create table call to the table manager (CAUTABM) for table *table_number*.

System Action: The transaction is terminated with abend code AUZI and the Detector is stopped.

User Response: See the *CICS Transaction Affinities Utility Guide* for the meaning of the reason code.

Note: This message cannot be changed with the message editing utility.

Destination: CAFF

Module: CAUCAFF3, CAUCAFF6

DFHAU2212 *date time applid* **CAUTABM ADD ELEMENT FAILED. REASON** *reason_code* **TABLE** *table_number*

Explanation: Transaction CAFF received an invalid response when issuing an add element call to the table manager (CAUTABM) for table *table_number*.

System Action: The transaction is terminated with abend code AUZJ and the Detector is stopped.

User Response: See the *CICS Transaction Affinities Utility Guide* for the meaning of the reason code and table number.

Note: This message cannot be changed with the message editing utility.

Destination: CAFF

Module: CAUCAFF3

DFHAU2214 *date time applid* **DETECTOR STATE CHANGED TO** *state***.**

Explanation: Transaction CAFF has changed the Detector state to *state*.

System Action: The state of the Detector is now *state*.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: CAFF

Module: CAUCAFF1, CAUCAFF3, CAUCAFF4, CAUCAFF5, CAUCAFF6

DFHAU2216 *date time applid* **CAUTABM DESTROY POOL FAILED. REASON** *reason_code* **ERROR** *error_code*

Explanation: Transaction CAFF received an invalid response when issuing a call to the table manager (CAUTABM) to destroy the MVS dataspace when stopping the Detector.

System Action: The transaction is terminated with abend code AUZN and the Detector is stopped.

User Response: See the *CICS Transaction Affinities Utility Guide* for the meaning of the reason code.

If it is AUTM_DSPSERV_DELETE_ERROR, the error code is the value of GPR 0 after the MVS DSPSERV DELETE call.

If it is AUTM_ALESERV_DELETE_ERROR, the error code is the value of GPR 15 after the MVS ALESERV DELETE call.

Use the appropriate MVS manual to find out the meaning of the error code.

Note: This message cannot be changed with the message editing utility.

Destination: CAFF

Module: CAUCAFF4

DFHAU2217 *date time applid* **CAUTABM DESTROY TABLE FAILED. REASON** *reason_code* **TABLE** *table_number*

Explanation: Transaction CAFF received an invalid response when issuing a destroy table call to the table manager (CAUTABM) for table *table_number*.

System Action: The transaction is terminated with abend code AUZO and the Detector is stopped.

User Response: See the *CICS Transaction Affinities Utility Guide* for the meaning of the reason code and table number.

Note: This message cannot be changed with the message editing utility.

Destination: CAFF

Module: CAUCAFF6

DFHAU2218 *date time applid* **CAFF HAS ABENDED** *abcode* **IN PROGRAM** *program***.**

Explanation: This message is issued by the Transaction Affinities Utility. The HANDLE ABEND exit program of Detector transaction CAFF has been driven to handle transaction abend *abcode* that occurred within CAFF. The failing program is *program*.

System Action: The transaction is terminated with a transaction dump, with a dumpcode of *abcode*, and the Detector is stopped.

User Response: See the description of abend *abcode* for guidance.

Note: This message cannot be changed with the message editing utility.

Destination: Console and Transient Data Queue CAFF

Module: CAUCAFFE

DFHAU2220 *date time applid* **CAUCAFP CREATE CPOOL FAILED. REASON** *reason_code*

Explanation: Transaction CAFF received an invalid response when issuing a call to the CAFB request queue manager (CAUCAFP) to create its storage in the MVS CPOOL.

System Action: The transaction is terminated with abend code AUZQ and the Detector is stopped.

User Response: See the *CICS Transaction Affinities Utility Guide* for the meaning of the reason code. Ensure that there is sufficient storage in your system for at least 4KB of MVS CPOOL.

Note: This message cannot be changed with the message editing utility.

Destination: CAFF

Module: CAUCAFF3

DFHAU2221 *date time applid* **CAUCAFP CALL FAILED. FUNCTION** *function_code* **REASON** *reason_code*

Explanation: Transaction CAFF or CAFB received an invalid response when issuing a call to the CAFB request queue manager (CAUCAFP) to perform function *function_code*.

System Action: The transaction is terminated with abend code AUZR and the Detector is stopped.

User Response: See the *CICS Transaction Affinities Utility Guide* for the meaning of the reason code and function code.

Note: This message cannot be changed with the message editing utility.

Destination: CAFF

Module: CAUCAFF4, CAUCAFF5, CAUCAFB1

DFHAU2222 *date time applid* **CAUCAFP DESTROY CPOOL FAILED. REASON** *reason_code*

Explanation: Transaction CAFF received an invalid response when issuing a call to the CAFB request queue manager (CAUCAFP) to destroy its MVS CPOOL storage.

System Action: The transaction is terminated with abend code AUZS and the Detector is stopped.

User Response: See the *CICS Transaction Affinities Utility Guide* for the meaning of the reason code.

Note: This message cannot be changed with the message editing utility.

Destination: CAFF

Module: CAUCAFF4

DFHAU2224 *date time applid* **ERROR CALCULATING SPACE UTILIZATION.**

Explanation: An error occurred during the calculation of the percentage of the dataspace currently occupied by affinity data.

System Action: The transaction is terminated with abend code AUZU and the Detector is stopped.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Note: This message cannot be changed with the message editing utility.

Destination: CAFF

Module: CAUCAFF1

DFHAU2225 *date time applid* **UNSUPPORTED TYPE OF CAFF TASK INITIATION.**

Explanation: Transaction CAFF has been initiated in a way which is not allowed. The only valid ways to initiate CAFF are:

- From a terminal
- From a console
- By issuing an EXEC CICS START TRANSID('CAFF') command from another task.

System Action: The transaction is terminated with abend code AUZV and the Detector is stopped.

User Response: Use one of the methods above to initiate CAFF.

Note: This message cannot be changed with the message editing utility.

Destination: CAFF

Module: CAUCAFF1

DFHAU2226 *date time applid* **INCORRECT CAFF ACTION.**

Explanation: Transaction CAFF received an incorrect value for *action* when it was started by another task using the EXEC CICS START TRANSID('CAFF') FROM(*action*) command, or started from a terminal by entering CAFF *action*. The only acceptable actions are:

- START
- STOP
- PAUSE
- CONTINUE

System Action: The CAFF transaction is terminated.

User Response: Restart CAFF using a valid action.

Note: This message cannot be changed with the message editing utility.

Destination: CAFF and Terminal End User

Module: CAUCAFF1

DFHAU2227 *date time applid* **NONTERMINAL CAFF TASK INITIATING.**

Explanation: Transaction CAFF has been initiated as a background nonterminal task.

System Action: CAFF runs in the background.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: CAFF

Module: CAUCAFF1

DFHAU2228 *date time applid* **CAUTABM REPLACE ELEMENT FAILED. REASON** *reason_code* **TABLE** *table_number*

Explanation: Transaction CAFF or CAFB received an invalid response when issuing a call to the table manager (CAUTABM) to replace a table element for table *table_number*.

System Action: The transaction is terminated with abend code AUZY and the Detector is stopped.

User Response: See the *CICS Transaction Affinities Utility Guide* for the meaning of the reason code and table number.

Note: This message cannot be changed with the message editing utility.

Destination: CAFF

Module: CAUCAFF3, CAUCAFB2

DFHAU2229 *date time applid* **UT/TT TABLE UPDATE FAILED. FUNCTION** *function_code* **REASON** *reason_code* **TABLE** *table_number*

Explanation: Transaction CAFF received an invalid response when issuing a call to the table manager (CAUTABM) to update either the userid table (UT) or the termid table (TT).

System Action: The transaction is terminated with abend code AUZZ and the Detector is stopped.

User Response: See the *CICS Transaction Affinities Utility Guide* for the meaning of the reason code, table number and function code.

Note: This message cannot be changed with the message editing utility.

Destination: CAFF

Module: CAUCAFF3, CAUCAFF6

DFHAU2230 *date time applid* **VSAM AFFINITY FILE** *filename* **HEADER READ FAILED. RESP** *eibresp* **RESP2** *eibresp2*

Explanation: Transaction CAFF received an invalid response when issuing an EXEC CICS READ command for the header record on VSAM affinity data file *filename*, when the Detector was starting with the restore data option set to Y. Either an incorrect file has been allocated for the affinity data file *filename* or the file is empty.

System Action: The transaction is terminated with abend code AUZ1 and the Detector is stopped.

User Response: Check that the correct file is allocated, and that the Detector has previously been started with the same files.

The first time the Detector is started, the CAFF restore data option must be N. If the restore data option is initially set to Y, CAFF is abnormally terminated with this message because initially the VSAM affinity data files are empty. The affinity file header records are added by CAFF after the Detector has been started for the first time.

For further details of the exceptions *eibresp* and *eibresp2* refer to the READ command in the *CICS Application Programming Reference* manual.

For further guidance on how to deal with system problems, see the *CICS Problem Determination Guide*.

Note: This message cannot be changed with the message editing utility.

Destination: CAFF

Module: CAUCAFF3

DFHAU2231 *date time applid* **NUMBER OF RECORDS RESTORED IS** *count***.**

Explanation: The Detector has been started with the restore option set to Y. This message gives the number of affinity records that were restored from the VSAM affinity data files to the MVS dataspace.

System Action: The Detector is now RUNNING.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: CAFF

Module: CAUCAFF3

DFHAU2233 *date time applid* **CAUCAFDT CALL FAILED. REASON** *reason_code***.**

Explanation: The Transaction Affinities Utility date formatter program (CAUCAFDT) was unable to format the packed Julian date passed to it by its caller.

System Action: Question marks are used for the date instead.

User Response: See the *CICS Transaction Affinities Utility Guide* for the meaning of the reason code.

Note: This message cannot be changed with the message editing utility.

Destination: CAFF

Module: CAUCAFF1

DFHAU2234 *date time applid* **CAFF FAILED TO OBTAIN THE TRACE TABLE.**

Explanation: An error occurred while attempting to obtain the affinities utility internal trace table.

System Action: The transaction is terminated with abend code AUZK and the Detector is stopped.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Note: This message cannot be changed with the message editing utility.

Destination: CAFF

Module: CAUCAFF3

DFHAU2235 *date time applid* **CAFF FAILED TO RELEASE THE TRACE TABLE.**

Explanation: An error occurred while attempting to release the affinities utility internal trace table.

System Action: The transaction is terminated with abend code AUZL and the Detector is stopped.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Note: This message cannot be changed with the message editing utility.

Destination: CAFF

Module: CAUCAFF4

DFHAU3301 *date time applid* **CAFB TASK INITIATING.**

Explanation: Transaction CAFB has been initiated by CAFF. CAFB saves affinity data from the dataspace to the affinity data files.

System Action: The Detector continues running.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: CAFF

Module: CAUCAFB1

DFHAU3302 *date time applid* **CAFB RECEIVED AN INVALID REQUEST.**

Explanation: Transaction CAFB has received an invalid request to perform one of its functions from another component of the Detector (CAFF or a Detector exit program).

System Action: The transaction is terminated with abend code AUYA and the detector is stopped.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Note: This message cannot be changed with the message editing utility.

Destination: CAFF

Module: CAUCAFB1

DFHAU3303 *date time applid* **CAFB HAS ABENDED** *abcode* **IN PROGRAM** *program***.**

Explanation: This message is issued by the Transaction Affinities Utility. The HANDLE ABEND exit program of Detector transaction CAFB has been driven to handle transaction abend *abcode* that occurred within CAFB. The failing program is *program*.

System Action: The transaction is terminated with a transaction dump, with a dumpcode of *abcode*, and the Detector is stopped.

User Response: See the description of abend *abcode* for guidance.

Note: This message cannot be changed with the message editing utility.

Destination: Console and Transient Data Queue CAFF

Module: CAUCAFBE

DFHAU3304 *date time applid* **CAFB ABENDING. SYSTEM ERROR ELSEWHERE IN DETECTOR.**

Explanation: Transaction CAFB received a request to abend from another component of the Detector. The request was sent because of an error encountered elsewhere, either in CAFF or a Detector exit program.

System Action: The transaction is terminated with abend code AUYC and the Detector is stopped.

User Response: Refer to any earlier messages on the CAFF transient data queue for the cause of the error.

Note: This message cannot be changed with the message editing utility.

Destination: CAFF

Module: CAUCAFB1

DFHAU3305 *date time applid* **CAFB SAVE STARTED BECAUSE OF** *{STOP | TIME | TRIGGER | PAUSE}***.**

Explanation: Transaction CAFB is starting a scan of the affinity tables in the dataspace to write any data changed since the previous save to the affinity data files. The save was started for one of the following reasons:

STOP Detector stopped

TIME Save interval reached

TRIGGER Activity count reached

PAUSE Detector paused.

Note that the latter three reasons can only occur when the CAFF perform periodic saves option is set to Y.

System Action: CAFB saves changed data elements from the dataspace to the affinity data files.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: CAFF

Module: CAUCAFB2

DFHAU3306 *date time applid* **CAFB SAVE ENDED.** *count* **RECORDS SAVED.**

Explanation: Transaction CAFB has finished the scan of the affinity tables in the dataspace and wrote *count* records to the affinity data files.

System Action: The number of records given by *count* were saved to the affinity data files.

User Response: If the CAFF perform periodic saves option is set to Y and *count* has been consistently near zero for the past few saves, this may indicate that the Detector has detected all the affinities it can and may be stopped.

Note: This message cannot be changed with the message editing utility.

Destination: CAFF

Module: CAUCAFB2

DFHAU3307 *date time applid* **CAFB TERMINATED. THE DETECTOR IS STOPPING.**

Explanation: Transaction CAFB received a request from CAFF to terminate because the Detector is stopping.

System Action: The transaction is terminated and the Detector is stopped.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: CAFF

Module: CAUCAFB1

DFHAU3308 *date time applid* **MESSAGE RECEIVED FROM PROGRAM** *program***.**

Explanation: Transaction CAFB received a message from program *program* to write to the CAFF transient data queue.

System Action: The associated message is written to CAFF. This is the only mechanism available to the Detector exit programs when they wish to issue a message.

User Response: See the following message on the CAFF transient data queue.

Note: This message cannot be changed with the message editing utility.

Destination: CAFF

Module: CAUCAFB1

DFHAU3310 *date time applid* **INVALID FILE NUMBER FOR TABLE IN GWA.**

Explanation: Transaction CAFB found an incorrect value (the affinity file number) in an internal array in the Detector global work area (GWA). This implies that the GWA has been corrupted.

System Action: The transaction is terminated with abend code AUYE and the Detector is stopped.

User Response: Determine the cause of the corruption. It could be due to an application accidentally overwriting the GWA.

Note: This message cannot be changed with the message editing utility.

Destination: CAFF

Module: CAUCAFB2, CAUCAFF3

DFHAU3311 *date time applid* **TRANSACTION CAFB MUST BE INITIATED BY TRANSACTION CAFF.**

Explanation: Transaction CAFB has been initiated incorrectly, that is it was not initiated by CAFF. Its CICS startcode indicates something other than EXEC CICS START with no data.

System Action: The transaction is terminated with abend code AUYF and the Detector is stopped.

User Response: The CAFB transaction can only be started by the Detector control transaction CAFF.

Note: This message cannot be changed with the message editing utility.

Destination: CAFF

Module: CAUCAFB1

DFHAU3312 *date time applid* **CAFB ABENDING. CICS IS TERMINATING.**

Explanation: Transaction CAFB found that CICS entered the quiesce state before shutdown and the Detector was still RUNNING.

System Action: The transaction is terminated with abend code AUYG and the Detector is stopped.

User Response: None. To avoid this, always stop the Detector before shutting down CICS. The CAFF STOP action can be submitted from a CICS shutdown PLT program, using an EXEC CICS START command.

Note: This message cannot be changed with the message editing utility.

Destination: CAFF

Module: CAUCAFB1

DFHAU3313 *date time applid* **INVALID ADDRESS FOR** *program* **IN THE GWA.**

Explanation: Transaction CAFF or CAFB found that the address of Detector program *program* in the global work area (GWA) was a null value. This implies that the GWA has been corrupted.

System Action: The transaction is terminated with abend code AUYH and the Detector is stopped.

User Response: Attempt to determine the cause of the corruption. It could be due to an application accidentally overwriting the GWA.

Note: This message cannot be changed with the message editing utility.

Destination: CAFF

Module: CAUCAFF4, CAUCAFF5, CAUCAFB1

DFHAU3314 *date time applid* **CAUTABM CALL FAILED. FUNCTION** *function_code* **REASON** *reason_code* **TABLE** *table_number*

Explanation: Transaction CAFF or CAFB received an invalid response when issuing a call to the table manager (CAUTABM) to access a table element for table *table_number*.

System Action: The transaction is terminated with abend code AUYI and the Detector is stopped.

User Response: See the *CICS Transaction Affinities Utility Guide* for the meaning of the reason code, table number, and function code.

Note: This message cannot be changed with the message editing utility.

Destination: CAFF

Module: CAUCAFB2, CAUCAFF6

DFHAU3315 *date time applid* **FILE** *filename* **IS FULL.**

Explanation: Transaction CAFB received a NOSPACE response when issuing EXEC CICS WRITE for VSAM affinity file *filename*. The file is full.

System Action: The transaction is terminated with abend code AUYJ and the Detector is stopped.

User Response: Allocate more space to the file and rerun the Detector. For guidance on how much space to allocate, see the *CICS Transaction Affinities Utility Guide*.

Note: This message cannot be changed with the message editing utility.

Destination: CAFF

Module: CAUCAFB2

DFHAU4100 *date time applid* **CAUTABM CALL FAILED. FUNCTION** *function_code* **REASON** *reason_code* **TABLE** *table_number*

Explanation: One of the Detector exit programs received an unexpected response when issuing a call to the table manager (CAUTABM).

Note that the message is issued by transaction CAFB on behalf of the exit program.

System Action: Transaction CAFB is terminated with abend code AUXA and the Detector is stopped.

User Response: See the *CICS Transaction Affinities Utility Guide* for the meaning of the reason code, table number, and function code.

Note: This message cannot be changed with the message editing utility.

Destination: CAFF

Module: CAUCAFB1

DFHAU4200 *date time applid* **DATASPACE IS FULL.**

Explanation: Transaction CAFF or a Detector exit program received a reason code of AUTM_NO_STORAGE when issuing a call to the table manager (CAUTABM) to either create a new table or add an element to a table. The dataspace is full.

Note that if this situation was encountered by a Detector exit program, the message is issued by transaction CAFB on its behalf.

System Action: Transaction CAFF or CAFB is terminated with abend code AUXB and the Detector is stopped.

User Response: Increase the dataspace size via the CAFF options and rerun the Detector. For guidance on how much space to allocate, see the *CICS Transaction Affinities Utility Guide*.

Note: This message cannot be changed with the message editing utility.

Destination: CAFF

Module: CAUCAFF3, CAUCAFF6, CAUCAFB1

DFHAU5000 FUNCTION CALL *number* **IS INVALID FOR MODULE** *module***.**

Explanation: A module of the Reporter or Builder has been called with an invalid function number. This indicates an internal logic error in the Reporter or Builder.

System Action: The Reporter or Builder is terminated.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: CAUREPFM, CAUREPPM, CAUBLD

DFHAU5001 FILE *filename* **DOES NOT CONTAIN A CONTROL RECORD. RUN TERMINATED.**

Explanation: If file *filename* is CAUCNTL, it does not contain the expected control record. If *filename* is CAUAFF1, CAUAFF2 or CAUAFF3, it has not been initialized with a header record or one or more of the files are not affinity data files.

System Action: The Reporter is terminated.

User Response: Check that the correct files are being submitted to the Reporter. If the files are correct, ensure that the Detector has been run at least once. These files are initialized by the Detector the first time it is run.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: CAUREP

DFHAU5002 AFFINITY FILES ARE NOT FOR THE SAME CICS APPLID. RUN TERMINATED.

Explanation: One or more of files CAUCNTL, CAUAFF1, CAUAFF2, or CAUAFF3 were not initialized by the same CICS system.

System Action: The Reporter is terminated.

User Response: The most likely cause of this error is one or more incorrect filenames in the JCL that runs the Reporter. Correct the problem and rerun the job.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: CAUREP

DFHAU5003 UNABLE TO OPEN FILE *filename***. RC** *return_code* **REASON** *reason_code*

Explanation: The Reporter, Builder, or Scanner has been unable to open *filename*.

System Action: The Reporter, Builder, or Scanner is terminated.

User Response: If the codes are zero, it was a non-VSAM file that failed to open.

Otherwise the *return_code* is as returned by VSAM in GPR 15, and the *reason_code* is the result of a subsequent SHOWCB ACB FIELDS=(ERROR) macro call. Check these in the *DFSMS/MVS Version 1 Release 5 Macro Instructions for Data Sets* to determine the cause of the error.

The most likely cause of this message is missing or incorrect filenames in the JCL that runs the job. Correct the problem and rerun the job.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: CAUREPFM, CAULMS

DFHAU5004 GENCB FAILED FOR FILE *filename***. CB** *control_block* **RC** *return_code* **REASON** *reason_code*

Explanation: The generation of a VSAM *control_block* failed for Reporter file *filename*.

System Action: The Reporter is terminated.

User Response: The *return_code* and *reason_code* are returned by VSAM in GPR 15 and GPR 0 respectively. Check the *DFSMS/MVS Version 1 Release 5 Macro Instructions for Data Sets* to determine the cause of the error. Correct the problem and rerun the job. If the problem persists, you will need assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: CAUREPFM

DFHAU5005 FILE NUMBER *filenum* **IS INVALID.**

Explanation: The file manager module (CAUREPFM) used by the Reporter and the Builder has been called with an invalid file number *filenum*.

System Action: The Reporter or Builder is terminated.

User Response: Rerun the job. If the problem persists, you will need assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: CAUREPFM

DFHAU5006 ATTEMPTING TO *{READ FROM | WRITE TO}* **THE** *{OUTPUT | INPUT}* **FILE** *filename***.**

Explanation: The Reporter or Builder attempted to read from the output file or write to the input file specified by *filename*.

System Action: The Reporter or Builder is terminated.

User Response: Rerun the job. If the problem persists, you will need assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: CAUREPFM

DFHAU5007 RPL NUMBER *rplnum* **IS INVALID FOR FILE** *filename***.**

Explanation: The RPL number *rplnum* is invalid for Reporter file *filename*.

System Action: The Reporter is terminated.

User Response: Rerun the job. If the problem persists, you will need assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: CAUREPFM

DFHAU5008 TABLE NUMBER *table_number* **IS INVALID.**

Explanation: A request by the Reporter to read a table from the affinity data files was being processed but *table_number* was not valid.

System Action: The Reporter is terminated.

User Response: Rerun the job. If the problem persists, you will need assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: CAUREPFM

DFHAU5009 COMMAND *command* **FAILED FOR FILE** *filename***. RPL** *rplnum* **RC** *returncode* **REASON** *reason_code*

Explanation: The VSAM *command* has failed to execute for Reporter file *filename*.

System Action: The Reporter is terminated.

User Response: The *return_code* is as returned by VSAM in GPR 15, and the *reason_code* is the result of a subsequent SHOWCB RPL FIELDS=(FDBK) macro call. Check these in the *DFSMS/MVS Version 1 Release 5 Macro Instructions for Data Sets* If the problem persists, you will need assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: CAUREPFM

DFHAU5010 INVALID ATTEMPT TO POSITION A NON-VSAM FILE.

Explanation: The Reporter has attempted file positioning on a non-VSAM file. This indicates a potential internal logic error in the Reporter.

System Action: The Reporter is terminated.

User Response: Rerun the job. If the problem persists, you will need assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: CAUREPFM

DFHAU5011 NO TRANSACTION ENTRIES FOR TRANGROUP *trangroup***. REPORT INCOMPLETE.**

Explanation: The Reporter could not find any transaction entries in the affinity data files for transaction group *trangroup*. This means, for example, that a record was found for a named temporary storage queue, but no records were found detailing the transactions that used that queue.

This is probably caused by a Detector abend or a CICS crash occurring in the middle of a Detector save, so the data saved to the affinity files is only partly complete. It could also be caused by incorrect files.

System Action: The Reporter continues.

User Response: Check the validity of the affinity files as far as is possible. For example, check that the correct set of files is being input and that one is not from a different run of the Detector. Determine whether the Detector did abend or if CICS did not terminate normally; this is indicated by message DFHAU5035 appearing at the start of the Reporter output. If message DFHAU5011 occurs frequently, rerun the Detector to produce a more complete set of data.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: CAUREPRM

DFHAU5012 INVALID PARM SPECIFIED. $SUMMARY ASSUMED.

Explanation: When invoking the Scanner, a PARM field has been specified on the EXEC that does not contain valid information.

System Action: The Scanner uses the default PARM of $SUMMARY.

User Response: Correct the PARM information and rerun if required.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: CAULMS

DFHAU5013 *{GETMAIN | FREEMAIN}* **HAS FAILED. RETURN CODE** *return_code*

Explanation: A Scanner or Builder MVS GETMAIN or MVS FREEMAIN macro has failed to execute successfully.

System Action: The Scanner or Builder is terminated.

User Response: Check the appropriate MVS manual for the meaning of *return_code*, which is the value of GPR 15 after the macro call. Correct the problem and rerun the job.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: CAULMS, CAUBLD, CAUBLDMR

DFHAU5014 INVALID PARM KEYWORD SPECIFIED. CORRECT AND RERUN.

Explanation: When invoking the Builder, a PARM field has been specified on the EXEC that contains an invalid keyword. The allowable keywords are MATCH, STATE, CONTEXT, and DSPSIZE.

System Action: The Builder is terminated.

User Response: Correct the PARM information and rerun the job.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: CAUBLD

DFHAU5015 INVALID *{MATCH | STATE | CONTEXT}* **VALUE SPECIFIED. CORRECT AND RERUN.**

Explanation: When invoking the Builder, a PARM field has been specified on the EXEC that contains an invalid value for the keyword given.

Keyword	Allowed values
MATCH	LUNAME and USERID
STATE	ACTIVE and DORMANT
CONTEXT	plexname, one through eight characters

System Action: The Builder is terminated.

User Response: Correct the PARM information and rerun the job.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: CAUBLD

DFHAU5016 DSPSIZE VALUE IS NOT NUMERIC. CORRECT AND RERUN.

Explanation: When invoking the Builder, a PARM field has been specified on the EXEC that contains an invalid value for keyword DSPSIZE. A character other than a digit in the range 0 through 9 was encountered. The value must be an integer in the range 2 through 2000.

System Action: The Builder is terminated.

User Response: Correct the PARM information and rerun the job.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: CAUBLD

DFHAU5017 DSPSIZE IS INVALID. IT MUST BE BETWEEN 2 AND 2000.

Explanation: When invoking the Builder, a PARM field has been specified on the EXEC that contains an invalid value for keyword DSPSIZE. The value must be an integer in the range 2 through 2000.

System Action: The Builder is terminated.

User Response: Correct the PARM information and rerun the job.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: CAUBLD

DFHAU5018 LOAD OF CAUTABM HAS FAILED. AC *abcode* **RC** *reason_code*

Explanation: The Builder attempted to load the table manager module (CAUTABM) but the MVS LOAD macro failed. The *abcode* is returned in GPR 1 and is the abend code that would have resulted had the task abended. The *reason_code* is returned in GPR 15 and is the reason code associated with the abend.

System Action: The Builder is terminated.

User Response: The MVS *abcode* and *reason_code* should indicate the cause of the error. Correct the problem and rerun the job.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: CAUBLD

DFHAU5019 DATASPACE IS TOO LARGE. NO STORAGE AVAILABLE.

Explanation: The Builder received a response from the table manager (CAUTABM) reporting that it was unable to obtain the amount of storage requested for the MVS dataspace because the MVS real storage manager does not have enough resources.

System Action: The Builder is terminated.

User Response: Decrease the dataspace size specified on the PARM field of the EXEC statement in the job, and rerun the job.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: CAUBLD

DFHAU5020 DATASPACE IS TOO LARGE. IEFUSI LIMIT REACHED.

Explanation: The Builder received a response from the table manager (CAUTABM) that it was unable to obtain the amount of storage requested for the MVS dataspace, because MVS exit IEFUSI has imposed a limit on address space size.

System Action: The Builder is terminated.

User Response: Either decrease the dataspace size specified on the PARM field of the EXEC statement in the job, or ask your MVS system programmer to increase the IEFUSI limit. Rerun the job.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: CAUBLD

DFHAU5021 CAUTABM CREATE DATASPACE FAILED. REASON *reason_code* **ERROR** *error_code*

Explanation: The Builder received an invalid response when issuing a call to the table manager (CAUTABM) to create the MVS dataspace.

System Action: The Builder is terminated.

User Response: See the *CICS Transaction Affinities Utility Guide* for the meaning of the reason code.

If it is AUTM_DSPSERV_CREATE_ERROR, *error_code* is the value of GPR 0 after the MVS DSPSERV CREATE call.

If it is AUTM_ALESERV_ADD_ERROR, *error_code* is the value of GPR 15 after the MVS ALESERV ADD call. Use the appropriate MVS manual to find out the meaning of the error code.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: CAUBLD

DFHAU5022 CAUTABM CREATE TABLE FAILED. REASON *reason_code* **TABLE** *table_number*

Explanation: The Builder received an invalid response when issuing a create table call to the table manager (CAUTABM) for table *table_number*.

System Action: The Builder is terminated.

User Response: See the *CICS Transaction Affinities Utility Guide* for the meaning of the reason code and the table number.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: CAUBLD

DFHAU5023 KEYWORD *keyword* **IS INVALID OR UNEXPECTED.**

Explanation: When reading statements from its REPGRPS input stream, the Builder encountered a keyword it did not recognize, or a keyword that occurred in an unexpected place.

System Action: The Builder skips to the next input statement and continues, but terminates when the end of the input is encountered.

User Response: Refer to the *CICS Transaction Affinities Utility Guide* to correct the statement, and rerun the job. A likely cause of this message is the omission of the terminating semicolon from the preceding statement.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: CAUBLDIN

DFHAU5024 KEYWORD *keyword* **IS MISSING.**

Explanation: When reading statements from its REPGRPS input stream, the Builder encountered a statement in which the required keyword *keyword* was missing.

System Action: The Builder skips to the next input statement and continues, but terminates when the end of the input is encountered.

User Response: Refer to the *CICS Transaction Affinities Utility Guide* to correct the statement, and rerun the job.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: CAUBLDIN

DFHAU5025 A VALUE OF *value* **IS INVALID FOR KEYWORD** *keyword***.**

Explanation: When reading statements from its REPGRPS input stream, the Builder encountered an invalid value for keyword *keyword*.

System Action: The Builder skips to the next keyword and continues, but terminates when the end of the input is encountered.

User Response: Refer to the *CICS Transaction Affinities Utility Guide* to correct the statement, and rerun the job.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: CAUBLDIN

DFHAU5026 INVALID CREATE TYPE.

Explanation: When reading statements from its REPGRPS input stream, the Builder encountered a CREATE statement. The only keywords that are allowed to follow immediately after the CREATE keyword are TRANGRP and DTRINGRP.

System Action: The Builder skips to the next input statement and continues, but will terminate when the end of the input is encountered.

User Response: Refer to the *CICS Transaction Affinities Utility Guide* to correct the statement, and rerun the job.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: CAUBLDIN

DFHAU5027 INCORRECT NUMBER OF BRACKETS.

Explanation: When reading statements from its REPGRPS input stream the Builder encountered a keyword for which a corresponding value was expected. This value is invalid because it:

- Does not start with a bracket
- Does not end with a bracket
- Contains a bracket in the middle
- Spans input lines.

System Action: The Builder skips to the next input statement and continues, but terminates when the end of the input is encountered.

User Response: Refer to the *CICS Transaction Affinities Utility Guide* to correct the statement, and rerun the job.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: CAUBLDIN

DFHAU5028 MISSING SEMICOLON.

Explanation: When reading statements from its REPGRPS input stream the Builder encountered the end of the input in the middle of a statement, implying that a terminating semicolon is missing from the last statement.

System Action: The Builder is terminated.

User Response: Refer to the *CICS Transaction Affinities Utility Guide* to correct the statement, and rerun the job.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: CAUBLDIN

DFHAU5029 KEYWORD *keyword* **IS DUPLICATED.**

Explanation: When reading statements from its REPGRPS input stream the Builder encountered a keyword that occurred more than once in the same statement. Duplicate keywords are not allowed.

System Action: The Builder continues, but terminates when the end of the input is encountered.

User Response: Refer to the *CICS Transaction Affinities Utility Guide* to correct the statement, and rerun the job. the job.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: CAUBLDIN

DFHAU5030 NO VALID STATEMENTS IN REPGRPS. PROCESSING TERMINATED.

Explanation: When reading statements from its REPGRPS input stream the Builder did not find a single complete statement.

System Action: The Builder is terminated.

User Response: The most likely cause of this message is an empty input file. Correct the problem and rerun the job.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: CAUBLDMR

DFHAU5031 CAUTABM ERROR *function* **ELEMENT. TABLE** *table_number* **REASON** *reason_code* **MODULE** *progname*

Explanation: Builder module *progname* received an unexpected response when issuing a call to the table manager (CAUTABM).

System Action: The Builder is terminated.

User Response: The *function* is the operation being performed. See the *CICS Transaction Affinities Utility Guide* for the meaning of the reason code and the table number.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: CAUBLDMR, CAUBLDOT

DFHAU5032 NO HEADER RECORD FOUND. STATEMENT IGNORED.

Explanation: When reading statements from its REPGRPS input stream, the Builder encountered a CREATE statement. However, no HEADER statement had been encountered first. The HEADER statement is mandatory and must be the first statement in each data set in the REPGRPS concatenation.

System Action: The Builder skips to the next input statement and continues, but terminates when the end of the input is encountered.

User Response: Ensure that each data set in the REPGRPS concatenation has a HEADER statement as the first statement in the data set. Correct the problem and rerun the job.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: CAUBLDMR

DFHAU5033 DUPLICATE TRANGRP NAME.

Explanation: When reading statements from its REPGRPS input stream, the Builder encountered a CREATE TRANGRP statement. However, the trangroup name supplied in the statement is not unique within the current input data set. Duplicate trangroup names are not allowed.

System Action: The Builder skips to the next input statement and continues, but terminates when the end of the input is encountered.

User Response: Ensure that each CREATE TRANGRP statement within the data set specifies a unique trangroup name. If this is already the case, the probable cause of this message is that the HEADER statement is missing from the data set. Correct the problem and rerun the job.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: CAUBLDMR

DFHAU5034 TRANGRP DOES NOT ALREADY EXIST.

Explanation: When reading statements from its REPGRPS input stream, the Builder encountered a CREATE DTRINGRP statement. However, no corresponding valid CREATE TRANGRP statement for the trangroup in question was encountered.

System Action: The Builder skips to the next input statement and continues, but terminates when the end of the input is encountered.

User Response: Either the CREATE TRANGRP statement was missing or was in error. Correct the problem and rerun the job.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: CAUBLDMR

DFHAU5035 AFFINITY DATA MAY BE INCOMPLETE BECAUSE OF *{DETECTOR | UNKNOWN}* **ABEND.**

Explanation: The control record on affinity control file CAUCNTL indicates that the Detector did not stop cleanly, for the reason given.

DETECTOR The Detector abended

UNKNOWN CICS terminated abnormally as a result of either a crash or EXEC CICS PERFORM SHUTDOWN IMMEDIATE

If this occurred during a Detector save, then the data on the affinity files may be incomplete.

System Action: The Reporter continues.

User Response: Incomplete data may be indicated by frequent appearance of message DFHAU5011. If this case, rerun the Detector to produce a more complete set of data.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: CAUREP

DFHAU5036 DATASPACE IS FULL.

Explanation: A Builder module received a reason code of AUTM_NO_STORAGE when issuing a call to the table manager (CAUTABM) to add an element to a table. The dataspace is full.

System Action: The Builder is terminated.

User Response: Increase the dataspace size specified on the PARM field of the EXEC statement in the job, and rerun the job.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: CAUBLDMR

DFHAU5037 NO VALID TRANSIDS IN REPGRPS. PROCESSING TERMINATED.

Explanation: When reading statements from its REPGRPS input stream, the Builder did not find a single valid CREATE DTRINGRP statement.

System Action: The Builder is terminated.

User Response: The most likely cause of this message is an input stream that contains valid CREATE TRANGRP statements, but no CREATE DTRINGRP statements. Correct the problem and rerun the job.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: CAUBLDMR

DFHAU5038 INVALID AFFLIFE FOR AFFINITY.

Explanation: When reading statements from its REPGRPS input stream, the Builder encountered a CREATE TRANGRP statement. However, the value specified for AFFLIFE is not one of those permitted given the value specified for AFFINITY.

System Action: The Builder skips to the next input statement and continues, but terminates when the end of the input is encountered.

User Response: Refer to *CICS Problem Determination Guide* to correct the statement, and rerun the job.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: CAUBLDMR

DFHAU5039 PARM KEYWORD IS DUPLICATED. CORRECT AND RERUN.

Explanation: When invoking the Builder or Reporter, a PARM field has been specified on the EXEC that contains a duplicate keyword. Duplicate keywords are not allowed.

System Action: The Builder or Reporter is terminated.

User Response: Correct the PARM information and rerun the job.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: CAUBLD

DFHAU5040 INVALID REMOVE TYPE.

Explanation: When reading statements from its REPGRPS input stream, the Builder encountered a REMOVE statement. The only keyword allowed to follow immediately after the REMOVE keyword is TRANGRP.

System Action: The Builder skips to the next input statement and continues, but terminates when the end of the input is encountered.

User Response: Refer to the *CICS Transaction Affinities Utility Guide* to correct the statement, and rerun the job. Alternatively, comment out the statement.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: CAUBLDIN

DFHAU5041 CAUCAFDT CALL FAILED. REASON *reason_code***.**

Explanation: The Transaction Affinities Utility date formatter program (CAUCAFDT) was unable to format the packed Julian date passed to it by its caller.

System Action: Question marks are used for the date instead.

User Response: See the *CICS Transaction Affinities Utility Guide* for the meaning of the reason code.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: CAULMS, CAUREPPM

DFHAU5042 INVALID PARM KEYWORD SPECIFIED. CORRECT AND RERUN.

Explanation: When invoking the Reporter, a PARM field has been specified on the EXEC that contains an invalid keyword. The only allowable keyword is WORSEN.

System Action: The Reporter is terminated.

User Response: Correct the PARM information and rerun the job.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: CAUREP

DFHAU5043 INVALID *{WORSEN}* **VALUE SPECIFIED. CORRECT AND RERUN.**

Explanation: When invoking the Reporter, a PARM field has been specified on the EXEC that contains an invalid value for the keyword given.

Keyword	Allowed values
WORSEN	YES and NO

System Action: The Reporter is terminated.

User Response: Correct the PARM information and rerun the job.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: CAUREP

DFHBAxxxx messages

DFHBA0001 *applid* **An abend (code** *code***) has occurred at offset** *X'offset'* **in module** *module***.**

Explanation: An unexpected program check or abend occurred with abend code *aaa/bbbb*.

The program status word (PSW) at the time of the program check or abend indicated that CICS was executing at offset X'*offset*' in module *modname*. This may have been caused by corruption of CICS code or control blocks.

System Action: A system dump is taken and the system attempts to continue operation unless otherwise directed by entries in the dump table.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Investigate the cause of the program check or abend using the system dump and any previously output diagnostic information provided by CICS, the access methods, or the operating system.

If you cannot resolve the problem, you will need further assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Modules: DFHBAAC, DFHBAAC1, DFHBAAC2, DFHBAAC3, DFHBAAC4, DFHBAAC5, DFHBAAC6, DFHBAAR1, DFHBABR, DFHBACO1, DFHBACR, DFHBADM, DFHBALR1, DFHBALR2, DFHBALR3, DFHBALR4, DFHBALR5, DFHBALR6, DFHBALR7, DFHBALR8, DFHBALR9, DFHBAPR, DFHBAPT1, DFHBASP, DFHBATT, DFHBAUE, DFHBAVP1, DFHBAXM

XMEOUT Parameters: *applid, code, X'offset', module*

DFHBA0002 *applid* **A severe error (code** *X'code'***) has occurred in module** *module***.**

Explanation: The BA domain has received an unexpected error response from some other part of CICS. The operation requested by recovery manager is described by code X'*code*'.

For further information about CICS exception trace entries, refer to the *CICS Problem Determination Guide*.

System Action: A system dump is taken and the system attempts to continue operation unless specifically inhibited by dump table entries.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Investigate the cause of the problem as follows:

1. Determine if the problem can be explained by any previous messages issued from some other CICS component.
2. Examine the symptom string.
3. Examine the dump.

If you cannot resolve the problem, you will need further assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Modules: DFHBAAC, DFHBAAC1, DFHBAAR1, DFHBABR, DFHBACO1, DFHBACR, DFHBADM, DFHBALR1, DFHBAPR, DFHBAPT1, DFHBASP, DFHBATT, DFHBAUE, DFHBAXM

XMEOUT Parameters: *applid, X'code', module*

DFHBA0101 *date time applid* **An error has occurred while writing an auditlog record to log** *logname***. Logging has been suspended.**

Explanation: The BA Write audit record request has failed.

System Action: Normal processing continues with logging of audit records to the specified log suspended.

User Response: Determine if the problem can be explained by any previous messages issued from some other CICS component. If the log is successfully reconnected, audit logging will be resumed, see message DFHBA0102. If you cannot resolve the problem, you will need further assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: Console and Transient Data Queue CSBA

Module: DFHBAAR2

XMEOUT Parameters: *date, time, applid, logname*

DFHBA0102 *date time applid* **Auditlog writing to log** *logname* **has been successfully resumed.**

Explanation: The BA Write audit record requests has resumed after being suspended.

System Action: Audit logging has resumed.

User Response: None.

Destination: Console and Transient Data Queue CSBA

Module: DFHBAAR2

XMEOUT Parameters: *date, time, applid, logname*

DFHBA0103 *date time applid terminal userid tranid* **processtype definition entry** *processtype* **has been deleted.**

Explanation: This is an audit log message indicating that Processtype entry *processtype* has been deleted using the DISCARD command Where:

- *terminal* is the netname or termid of the terminal associated with the transaction issuing the message. If there is no terminal associated with the transaction, the terminal name is suppressed.
- *userid* is the user identifier of the user associated with the transaction issuing the message.
- *tranid* is the transaction issuing the message.

System Action: The system continues normally.

User Response: None.

Destination: CSBA

Module: DFHBATT

XMEOUT Parameters: *date, time, applid, terminal, userid, tranid, processtype*

DFHBA0104 *date time applid* **The root activity of process** *processname* **of processtype** *processtype* **has completed status ABENDED, code** *abendcode***. TRANSID(***transid***) USERID(***userid***).**

Explanation: This indicates that the root activity of the process *processname*, of processtype *processtype*, has completed abnormally with abendcode *abendcode*.

- *transid* is the tranid of the activation that completed the activity.
- *userid* is the user identifier of the transaction that completed the activity.

System Action: The root activity is marked complete abended in the BTS repository in the normal way and the system continues normally.

User Response: None.

Destination: CSBA

Module: DFHBAAC

XMEOUT Parameters: *date, time, applid, processname, processtype, abendcode, transid, userid*

DFHBA0201 Module *module* **load of DFHMEBM failed, reason code** *X'rcode'* **system code** *X'scode'***.**

Explanation: The program has failed to load module DFHMEBM.

The message contains the name of the module that detected the error, the reason code and the system code from the failed load.

System Action: The program terminates with return code 12.

User Response: Use the reason code and system code contained in the message to determine the reason for the failed load.

If the problem cannot be determined and corrected, you will need further assistance from IBM.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Modules: DFHATUP DFHBARUP

DFHBA0202 Module *module* **load of** *modname* **failed, reason code** *X'rcode'* **system code** *X'scode'***.**

Explanation: The program has failed to load the language table.

The message contains the name of the module that detected the error, the language table name, the reason code and the system code from the failed load.

System Action: The program terminates with return code 12.

User Response: Use the reason code and system code contained in the message to determine the reason for the failed load.

If the problem cannot be determined and corrected, you will need further assistance from IBM.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Modules: DFHATUP DFHBARUP

DFHBA0203 Error opening SYSPRINT in module *module***.**

Explanation: Error opening SYSPRINT.

The message contains the name of the module with the error.

System Action: The program terminates with return code 12.

User Response: Check if any additional system messages have been issued that may help you to determine the cause of the problem.

If the problem cannot be determined and corrected, you will need further assistance from IBM.

Destination: Console

Modules: DFHATUP DFHBARUP

DFHBA0204 Module *module* **exec parameter error, missing open bracket at position** *position***(+).**

Explanation: An exec parameter error has been detected.

An open bracket is missing after a keyword. The name of the module that detected the error and the approximate position of the missing bracket are contained in the message.

System Action: The program terminates with return code 12.

User Response: Correct the error and submit the job again.

If the problem cannot be determined and corrected, you will need further assistance from IBM.

Destination: Console

Modules: DFHATUP DFHBARUP

DFHBA0205 Module *module* **exec parameter error, missing close bracket at position** *position***(+).**

Explanation: An exec parameter error has been detected.

A close bracket is missing after the keyword field. The message contains the name of the module that detected the error and the approximate position of the missing bracket.

System Action: The program terminates with return code 12.

User Response: Correct the error and submit the job again.

If the problem cannot be determined and corrected, you will need further assistance from IBM.

Destination: Console

Modules: DFHATUP DFHBARUP

DFHBA0206 Module *module* **exec parameter error, invalid keyword at position** *position***.**

Explanation: An exec parameter error has been detected.

A invalid keyword has been found. The message contains the module name that detected the error and the position of the invalid keyword.

System Action: The program terminates with return code 12.

User Response: Correct the error and submit the job again.

If the problem cannot be determined and corrected, you will need further assistance from IBM.

Destination: Console

Modules: DFHATUP DFHBARUP

DFHBA0207 Module *module* **exec parameter error, invalid translate field at position** *position***.**

Explanation: An exec parameter error has been detected.

An invalid translate keyword field has been located. The message contains the name of the module that detected the error and the position of the invalid keyword field.

System Action: The program terminates with return code 12.

User Response: Correct the error and submit the job again.

If the problem cannot be determined and corrected, you will need further assistance from IBM.

Destination: Console

Modules: DFHATUP DFHBARUP

DFHBA0208 Module *module* **exec parameter error, duplicate translate keyword at position** *position***.**

Explanation: An exec parameter error has been detected.

A duplicate translate keyword has been found. The message contains the name of the module that detected the error and the position of the duplicate translate keyword.

System Action: The program terminates with return code 12.

User Response: Correct the error and submit the job again.

If the problem cannot be determined and corrected, you will need further assistance from IBM.

Destination: Console

Modules: DFHATUP DFHBARUP

DFHBA0209 Module *module* **exec parameter error, invalid pagesize field at position** *position***.**

Explanation: An exec parameter error has been detected.

An invalid pagesize field has been found. The message contains the name of the module that detected the error and the position of the invalid field.

System Action: The program terminates with return code 12.

User Response: Correct the error and submit the job again.

If the problem cannot be determined and corrected, you will need further assistance from IBM.

Destination: Console

Modules: DFHATUP DFHBARUP

DFHBA0210 Module *module* **exec parameter error, duplicate pagesize keyword at position** *position***.**

Explanation: An exec parameter error has been detected.

A duplicate pagesize keyword has been found. The message contains the name of the module that detected the error and the position of the duplicate keyword.

System Action: The program terminates with return code 12.

User Response: Correct the error and submit the job again.

If the problem cannot be determined and corrected, you will need further assistance from IBM.

Destination: Console

Modules: DFHATUP DFHBARUP

DFHBA0211 Module *module* **exec parameter error, invalid NATLANG field at position** *position***.**

Explanation: An exec parameter error has been detected.

An invalid natlang field has been found. The message contains the name of the module that detected the error and the position of the invalid field.

System Action: The program terminates with return code 12.

User Response: Correct the error and submit the job again.

If the problem cannot be determined and corrected, you will need further assistance from IBM.

Destination: Console

Modules: DFHATUP DFHBARUP

DFHBA0212 Module *module* **exec parameter error, duplicate NATLANG keyword at position** *position***.**

Explanation: An exec parameter error has been deetcted.

A duplicate natlang keyword has been found. The message contains the name of the module that detected the error and the position of the duplicate keyword.

System Action: The program terminates with return code 12.

User Response: Correct the error and submit the job again.

If the problem cannot be determined and corrected, you will need further assistance from IBM.

Destination: Console

Modules: DFHATUP DFHBARUP

DFHBA0213 Open of SYSIN failed in module *module*.

Explanation: An open of SYSIN failed.

The message contains the name of the module that detected the error.

System Action: The program terminates with return code 12.

User Response: Check if any additional system messages have been issued that may help you to determine the cause of the problem.

If the problem cannot be determined and corrected, you will need further assistance from IBM.

Destination: SYSPRINT

Modules: DFHATUP DFHBARUP

DFHBA0214 Module *module* invalid keyword at position *position*.

Explanation: A SYSIN parameter error has been detected.

A invalid keyword has been found. The message contains the name of the module that detected the error and the position of the invalid keyword.

System Action: The program terminates with return code 12 after all the SYSIN parameters have been processed.

User Response: Correct the error and submit the job again.

If the problem cannot be determined and corrected, you will need further assistance from IBM.

Destination: SYSPRINT

Modules: DFHATUP DFHBARUP

DFHBA0215 Module *module* invalid keyword field length at position *position*.

Explanation: A sysin parameter error has been detected.

An invalid keyword field length has been detected. The message contains the name of the module that detected the error and the position of the invalid field.

System Action: The program terminates with return code 12 after all the sysin parameters have been processed.

User Response: Correct the error and submit the job again.

If the problem cannot be determined and corrected, you will need further assistance from IBM.

Destination: SYSPRINT

Modules: DFHATUP DFHBARUP

DFHBA0216 Module *module* invalid keyword field at position *position*.

Explanation: A sysin parameter error has been detected.

An invalid keyword field has been found. The message contains the name of the module that detected the error and the position of the invalid keyword.

System Action: The program terminates with return code 12 after all the sysin parameters have been processed.

User Response: Correct the error and submit the job again.

If the problem cannot be determined and corrected, you will need further assistance from IBM.

Destination: SYSPRINT

Modules: DFHATUP DFHBARUP

DFHBA0217 Module *module* unexpected keyword at position *position*.

Explanation: A sysin parameter error has been detected.

An unexpected keyword has been found. The message contains the name of the module that detected the error and the position of the unexpected keyword.

System Action: The program terminates with return code 12.

User Response: Correct the error and submit the job again.

If the problem cannot be determined and corrected, you will need further assistance from IBM.

Destination: SYSPRINT

Modules: DFHATUP DFHBARUP

DFHBA0218 Module *module* duplicate auditlog keyword at position *position*.

Explanation: A sysin parameter error has been detected.

A duplicate auditlog keyword has been found. The message contains the name of the module that detected the error and the position of the duplicate keyword.

System Action: The program terminates with return code 12 after all the sysin parameters have been processed.

User Response: Correct the error and submit the job again.

If the problem cannot be determined and corrected, you will need further assistance from IBM.

Destination: SYSPRINT

Modules: DFHATUP DFHBARUP

DFHBA0219 Module *module* continuation not allowed.

Explanation: A sysin parameter error has been detected.

A parameter card contains an invalid continuation character. The message contains the name of the module that detected the error.

System Action: The program terminates with return code 12 after all the sysin parameters have been processed.

User Response: Correct the error and submit the job again.

If the problem cannot be determined and corrected, you will need further assistance from IBM.

Destination: SYSPRINT

Modules: DFHATUP DFHBARUP

DFHBA0220 Module *module* unexpected end of file.

Explanation: A sysin parameter error has been detected.

The last sysin card read before end of file was reached has a continuation indicator. The message contains the name of the module that detected the error.

System Action: The program terminates with return code 12.

User Response: Correct the error and submit the job again.

If the problem cannot be determined and corrected, you will need further assistance from IBM.

Destination: SYSPRINT

Modules: DFHATUP DFHBARUP

DFHBA0221 Error opening *file* **in module** *module***.**

Explanation: An open of the auditlog has failed.

The message contains the name of the module that detected the error and the name of auditlog data set.

System Action: The program terminates with return code 12.

User Response: Check if any additional system messages have been issued that may help you to determine the cause of the problem.

If the problem cannot be determined and corrected, you will need further assistance from IBM.

Destination: SYSPRINT

Module: DFHATUP

DFHBA0222 Module *module* **terminated because of errors, check SYSPRINT for details.**

Explanation: The program has detected errors that have caused it to terminate.

Additional error messages have been output to SYSPRINT.

System Action: The program terminates with return code 12.

User Response: Use the additional messages output to SYSPRINT to determine the cause of the problem.

If the problem cannot be determined and corrected, you will need further assistance from IBM.

Destination: Console

Modules: DFHATUP DFHBARUP

DFHBA0223 Module *module* **terminated because of errors, check previous console messages for details.**

Explanation: The program has detected errors that have caused it to terminate.

Additional error message will have been issued at the console.

System Action: The program terminates with return code 12.

User Response: Use the additional messages issued at the console to determine the cause of the problem.

If the problem cannot be determined and corrected, you will need further assistance from IBM.

Destination: Console

Modules: DFHATUP DFHBARUP

DFHBA0224 Gencb failed in module *module***. R15 =** *X'r15val'* **R0 =** *X'r0val'***.**

Explanation: A Vsam gencb macro call has failed.

The message contains the name of the module that issued the failed gencb and the register 15 and 0 values at the time of the error. At the time of the error register 15 contains the return code and register 0 contains the reason code. The reason code is only valid if the return code is 4.

System Action: The program terminates with return code 12.

User Response: Use the return code and reason code values to determine the cause of the problem.

Check if any additional system messages have been issued that may help you to determine the cause of the problem.

If the problem cannot be determined and corrected, you will need further assistance from IBM.

Destination: SYSPRINT

Module: DFHBARUP

DFHBA0225 Modcb failed in module *module***. R15 =** *X'r15val'* **R0 =** *X'r0val'***.**

Explanation: A Vsam modcb macro call has failed.

The message contains the name of the module that issued the failed modcb and the register 15 and 0 values at the time of the error. At the time of the error register 15 contains the return code and register 0 contains the reason code. The reason code is only valid if the return code value is 4.

System Action: The program terminates with return code 12.

User Response: Use the return code and reason code values to determine the cause of the problem.

Check if any additional system messages have been issued that may help you to determine the cause of the problem.

If the problem cannot be determined and corrected, you will need further assistance from IBM.

Destination: SYSPRINT

Module: DFHBARUP

DFHBA0226 Showcb failed in module *module***. R15 =** *X'r15val'* **R0 =** *X'r0val'***.**

Explanation: A Vsam showcb macro call has failed.

The message contains the name of the module that issued the failed showcb and the register 15 and 0 values at the time of the error. At the time of the error register 15 contains the return code and register 0 contains the reason code. The reason code is only valid if the return code value is 4.

System Action: The program terminates with return code 12.

User Response: Use the return code and reason code values to determine the cause of the problem.

Check if any additional system messages have been issued that may help you to determine the cause of the problem.

If the problem cannot be determined and corrected, you will need further assistance from IBM.

Destination: SYSPRINT

Module: DFHBARUP

DFHBA0227 Error opening *file* **in module** *module***. R15 =** *X'r15val'* **reason code =** *X'reasval'***.**

Explanation: A Vsam open macro call has failed.

The message contains the name of the data set being opened, the name of the module issuing the open, the register 15 and reason code values at the time of the error. At the time of the error register 15 contains the return code.

System Action: If the register 15 value is 4 the program continues. If the register 15 value is 8 or greater the program terminates with return code 12.

User Response: Use the return code and reason code values to determine the cause of the problem.

Check if any additional system messages have been issued that may help you to determine the cause of the problem.

If the problem cannot be determined and corrected, you will need further assistance from IBM.

Destination: SYSPRINT

Module: DFHBARUP

DFHBA0228 Error closing *file* **in module** *module***. R15 =** *X'r15val'* **reason code =** *X'reasval'***.**

Explanation: A Vsam close macro call has failed.

The message contains the name of the data set being closed, the name of the module issuing the close, the register 15 and reason code values at the time of the error. At the time of the error register 15 contains the return code.

System Action: The program continues. This may indicate a problem with the repository data set.

User Response: Use the return code and reason code values to determine the cause of the problem.

Check if any additional system messages have been issued that may help you to determine the cause of the problem.

If the problem cannot be determined and corrected, you will need further assistance from IBM.

Destination: SYSPRINT

Module: DFHBARUP

DFHBA0229 Get for *file* **failed in module** *module***. R15 =** *X'r15val'* **reason code =** *X'reasval'***.**

Explanation: A Vsam get macro call has failed.

The message contains the name of the data set that the get is being issued against, the name of the module issuing the get, the register 15 and reason code values at the time of the error. At the time of the error register 15 contains the return code.

System Action: The program terminates with return code 12.

User Response: Use the return code and reason code values to determine the cause of the problem.

Check if any additional system messages have been issued that may help you to determine the cause of the problem.

If the problem cannot be determined and corrected, you will need further assistance from IBM.

Destination: SYSPRINT

Module: DFHBARUP

DFHBA0230 Point for *file* **failed in module** *module***. R15 =** *X'r15val'* **reason code =** *X'reasval'***.**

Explanation: A Vsam point macro call has failed.

The message contains the name of the data set that the point failed on, the name of the module issuing the point, the register 15 and reason code values at the time of the error. At the time of the error register 15 contains the return code.

System Action: The program terminates with return code 12.

User Response: Use the return code and reason code values to determine the cause of the problem.

Check if any additional system messages have been issued that may help you to determine the cause of the problem.

If the problem cannot be determined and corrected, you will need further assistance from IBM.

Destination: SYSPRINT

Module: DFHBARUP

DFHBA0231 The set of records associated with the activity or process being read are not complete.

Explanation: The set of process or activity records being read is incomplete.

System Action: The program continues processing with the next process or activity.

User Response: If the repository file is being accessed by a CICS region while the DFHBARUP job is running the CICS region or regions have deleted the set of records being processed by DFHBARUP.

If this is not the case then further investigation will be required.

If the problem cannot be determined and corrected, you will need further assistance from IBM.

Destination: SYSPRINT

Module: DFHBARUP

DFHBA0232 No records selected by module *module***.**

Explanation: No records have been selected for printing.

The message contains the name of the module involved.

System Action: The program completes with return code 0.

User Response: Check that the selection parameters are correct and the correct file is being processed.

If the problem cannot be determined and corrected, you will need further assistance from IBM.

Destination: Console

Modules: DFHATUP DFHBARUP

DFHBA0233 Module *module* **has completed processing.**

Explanation: Processing has completed.

The message contains the name of the module involved.

System Action: The program completes with return code 0.

User Response: None

Destination: Console

Modules: DFHATUP DFHBARUP

DFHBA0234 Module *module* **has a duplicate repository keyword at position** *position***.**

Explanation: A sysin parameter error has been detected.

A duplicate repository keyword has been found. The message contains the name of the module that detected the error and the position of the duplicate keyword.

System Action: The program terminates with return code 12 after all the sysin parameters have been processed.

User Response: Correct the error and submit the job again.

If the problem cannot be determined and corrected, you will need further assistance from IBM.

Destination: SYSPRINT

Module: DFHBARUP

DFHBRxxxx Bridging to 3270 Transactions messages

DFHBR0201 *date time applid* **Transaction** *tranid* **abend** *abcode* **in bridge exit** *brexit* **bridge transaction** *bridge*

Explanation: The Bridge exit *brexit* terminated abnormally with abend code *abcode*.

abcode is either a CICS transaction abend code or a user abend code generated by a CICS ABEND ABCODE(*abcode*) command. This command is issued either by a user program or by an IBM program (for example, a programming language library module).

Unless the abend occurred whilst the bridge exit was processing the termination or abend call, this abend will also result in CICS issuing a ABRQ abend. In this case a DFHAC2236 abend message will follow this message. See that message for details about recoverable resources.

System Action: Abend ABRQ will be issued unless the transaction is calling the bridge exit for termination or abend processing.

User Response: Use the abend code *abcode* to diagnose the problem. If the abend is issued by an IBM program product other than CICS, the code is documented in the library of that other product.

Alternatively, there might be a logic error in the bridge exit program *brexit*. For programming information about coding bridge exit programs see the *CICS Customization Guide*.

Destination: CSMT

Modules: DFHBRIC, DFHBRMS, DFHBRSP, DFHBRTC, DFHBRXM, DFHBRRM

XMEOUT Parameters: *date, time, applid, tranid, abcode, brexit, bridge*

DFHCAxxxx messages

DFHCA5100 S *date time applid netname tranid* **Severe error in module** *modname***. Abend code:** *abcode*

Explanation: An internal error has occurred in module *modname*, when invoked by a CSD utility command.

System Action: Processing terminates abnormally with an operating system dump and abend code *abcode*.

The CSD utility attempts to:

1. Close any files previously opened internally.
2. Unload any extract exit routines that were dynamically loaded.
3. Invoke the termination exit routine (if supplied).
4. Return control to the invoker of the utility.

User Response: See the description of abend code *abcode* for guidance.

Destination: CSMT

Module: DFHCAP

XMEOUT Parameters: *date, time, applid, netname, tranid, modname, abcode*

DFHCA5101 I *date time applid netname tranid command* **command executed successfully.**

Explanation: The execution of a CSD utility command *command* completed successfully.

System Action: Normal processing continues.

User Response: None.

Destination: CSMT

Module: DFHCAP

XMEOUT Parameters: *date, time, applid, netname, tranid, command*

DFHCA5102 I *date time applid netname tranid* **Warning message(s) issued while processing** *command* **command.**

Explanation: The CSD utility issued messages during syntax-checking and execution of the *command* command.

System Action: Normal utility processing continues to the end of the job.

User Response: Review the warning messages to see how they have affected utility processing. Then decide whether you need to submit a further CSD utility job.

Destination: CSMT

Module: DFHCAP

XMEOUT Parameters: *date, time, applid, netname, tranid, command*

DFHCA5103 I *date time applid netname tranid* **Error(s) occurred while processing** *command* **command.**

Explanation: The CSD utility either found a syntax error in the utility command *command*, or the command *command* failed to execute correctly.

System Action: Utility command execution is terminated.

If commands are being read from a SYSIN data stream by the utility, subsequent commands (except LIST) are checked for syntax only. (If the primary CSD file cannot be opened, LIST is not processed either.)

If commands are being read from a get-command exit, DFHCSDUP attempts to process subsequent commands.

User Response: If the command failed because of syntax errors, correct the command.

If the command failed to execute correctly, this may have been caused by a previous error. In this case, an associated error message, such as DFHCA5275, should have been issued. Refer to these error messages for further guidance.

Correct all errors before trying to open the CSD file again.

Destination: CSMT

Module: DFHCAP

XMEOUT Parameters: *date, time, applid, netname, tranid, command*

DFHCA5104 W *date time applid netname tranid* **Subsequent commands (except LIST) are not executed because of error(s) above.**

Explanation: After the CSD utility program encounters an error, it ceases to execute any further commands read from a data stream (as opposed to supplied by a put-message exit routine). However, it continues to check the syntax of subsequent commands. The exception is the LIST command, which is still executed if the primary CSD file can be opened.

System Action: Subsequent CSD utility commands (except LIST) are ignored.

User Response: Check for a syntax error in the commands used, and correct it.

There should be associated error messages which identify the problem that caused DFHCSDUP to halt active processing. These messages should appear in the DFHCSDUP output before message DFHCA5104 is issued.

Destination: CSMT

Module: DFHCAP

XMEOUT Parameters: *date, time, applid, netname, tranid*

DFHCA5105 W *date time applid netname tranid command* **command not executed because of previous error(s).**

Explanation: If a syntax error (or an execution error) occurred in a command read from a data stream and processed earlier, no further commands (except for LIST commands) are executed. If the primary CSD file could not be opened, the LIST command is not executed either.

System Action: The CSD utility command is not executed.

User Response: Check for syntax errors or execution errors in commands processed earlier.

Correct the invalid commands.

Destination: CSMT

Module: DFHCAP

XMEOUT Parameters: *date, time, applid, netname, tranid, command*

DFHCA5107 I *date time applid netname tranid* **Commands executed successfully:** *ns* **Commands giving warning(s):** *nw* **Commands in error:** *ne*

Explanation: The CSD utility has completed input command processing.

Commands giving warnings may or may not have been executed successfully.

System Action: Normal processing continues to the end of the job.

User Response: If any CSD utility commands in error were executed, decide if the results are what you want.

If not, correct them and resubmit in another job.

If any commands were not executed, you must resubmit them. (See message DFHCA5108.)

Destination: CSMT

Module: DFHCAP

XMEOUT Parameters: *date, time, applid, netname, tranid, ns, nw, ne*

DFHCA5108 I *date time applid netname tranid* **Commands not executed after error(s):** *nn*

Explanation: The CSD utility has completed input command processing. The number of commands not executed because of errors is indicated by *nn*.

System Action: Normal processing continues to the end of the job.

User Response: Correct the commands in error and resubmit them in another job.

Destination: CSMT

Module: DFHCAP

XMEOUT Parameters: *date, time, applid, netname, tranid, nn*

DFHCA5109 I *date time applid netname tranid* **End of DFHCSDUP utility job. Highest return code was:** *retcode*

Explanation: The CSD utility job is complete.

System Action: Control returns to the invoker, that is, either to the operating system or to an invoking program.

User Response: None.

Destination: CSMT

Module: DFHCAP

XMEOUT Parameters: *date, time, applid, netname, tranid, retcode*

DFHCA5110 W *date time applid netname tranid* **Error found in 'PARM=' parameter data on EXEC job step. This data is ignored.**

Explanation: The value of the PARM parameter on the EXEC statement in the JCL to run the DFHCSDUP utility is incorrect.

System Action: The PARM parameter is ignored. The CSD is opened for read and write operations.

User Response: Correct the erroneous PARM value. The incorrect value can be found in the job control language used to execute DFHCSDUP.

The *CICS Operations and Utilities Guide* describes how to code the PARM parameter.

Destination: CSMT

Module: DFHCAP

XMEOUT Parameters: *date, time, applid, netname, tranid*

DFHCA5114 S *date time applid netname tranid* **The** *csdtype* **CSD has not been initialized. Command not executed.**

Explanation: The primary CSD file must be initialized before any CSD utility command (other than the INITIALIZE or SERVICE commands) can be processed. If a secondary CSD file is used, it must always be initialized before this command can be processed. CICS issues this message if you try to break either of these rules, or if an attempt to initialize a CSD file fails to complete successfully

System Action: The CSD utility ignores the command.

User Response: Initialize the CSD file. You may first have to determine why a previous initialization attempt failed.

Destination: CSMT

Module: DFHCAP

XMEOUT Parameters: *date, time, applid, netname, tranid, csdtype*

DFHCA5115 S *date time applid netname tranid* **The primary CSD is already initialized. Command not executed.**

Explanation: An INITIALIZE or a SERVICE command was encountered but the primary CSD file has already been initialized.

System Action: The INITIALIZE or SERVICE command is ignored.

User Response: Confirm that the correct CSD file was specified.

Destination: CSMT

Module: DFHCAP

XMEOUT Parameters: *date, time, applid, netname, tranid*

DFHCA5116 S *date time applid netname tranid* **The primary CSD has been defined with an invalid key length. Processing is terminated.**

Explanation: The CSD utility cannot initialize the CSD file because it has been defined to VSAM with an invalid key length.

System Action: The CSD file remains uninitialized, and no utility commands are processed.

User Response: Delete the CSD file, using VSAM Access Method Services (AMS). In the JCL defining the CSD cluster, change the AMS control statements to specify KEYS(22 0). Use this JCL to redefine the CSD file, and use the CSD utility to reinitialize it.

Destination: CSMT

Module: DFHCAP

XMEOUT Parameters: *date, time, applid, netname, tranid*

DFHCA5117 S *date time applid netname tranid* **The primary CSD has been defined with an invalid record size. Processing is terminated.**

Explanation: The CSD utility cannot initialize the CSD file, because it has been defined to VSAM with an invalid record length.

System Action: The CSD file remains uninitialized, and no utility commands are processed.

User Response: Delete the CSD file, using VSAM Access Method Services (AMS). In the JCL defining the CSD cluster, change the AMS control statements to specify RECORDSIZE(100 500). Use this JCL to redefine the CSD file, and use the CSD utility to reinitialize it.

Destination: CSMT

Module: DFHCAP

XMEOUT Parameters: *date, time, applid, netname, tranid*

DFHCA5120 I *date time applid netname tranid csdtype* **CSD opened; ddname:** *ddname*

Explanation: The VSAM data set specified in the JCL has been successfully opened, and is identified as the primary or secondary CSD file. (All utility commands processed will use the same primary CSD file. Different secondary CSD files may be accessed by different utility commands.)

System Action: Normal processing continues.

User Response: None.

Destination: CSMT

Module: DFHCAP

XMEOUT Parameters: *date, time, applid, netname, tranid, csdtype, ddname*

DFHCA5121 S *date time applid netname tranid* **I/O error while opening** *csdtype* **CSD; ddname:** *ddname*

Explanation: An I/O error occurred when reading or writing control records of the VSAM data set identified in the JCL as the primary or secondary CSD file.

System Action: The utility command is not executed.

User Response: Retry the utility command that failed. If the problem persists, restore the CSD file from your own backup procedures.

Destination: CSMT

Module: DFHCAP

XMEOUT Parameters: *date, time, applid, netname, tranid, csdtype, ddname*

DFHCA5122 S *date time applid netname tranid* **VSAM error while opening** *csdtype* **CSD; ddname:** *ddname*

Explanation: A VSAM error occurred when opening the data set identified in the JCL as a primary or secondary CSD file.

System Action: The utility command is not executed.

User Response: Refer to the VSAM diagnostics output in message DFHCA5179 for further information and guidance.

Destination: CSMT

Module: DFHCAP

XMEOUT Parameters: *date, time, applid, netname, tranid, csdtype, ddname*

DFHCA5123 I *date time applid netname tranid csdtype* **CSD closed; ddname:** *ddname*

Explanation: The VSAM data set used as the primary or secondary CSD file has been successfully closed, with control records updated if necessary. (The primary CSD file is closed after all the utility commands have been processed; the secondary CSD file is closed after the command for which it was opened.)

System Action: Normal processing continues.

User Response: None.

Destination: CSMT

Module: DFHCAP

XMEOUT Parameters: *date, time, applid, netname, tranid, csdtype, ddname*

DFHCA5124 S *date time applid netname tranid* **Processing terminated. Corrupted** *csdtype* **CSD control record detected while closing CSD; ddname:** *ddname*

Explanation: A storage corruption is preventing the CSD control records from being updated when the CSD file is being closed.

System Action: No further CSD utility commands are processed.

User Response: Obtain a dump from DFHCSDUP together with a listing of the DFHCSDUP run and its JCL. Also try to obtain a print out of the CSD, using either IDCAMS or the DFHCSDUP LIST ALL option. The LIST will indicate where the errors have occurred because they do not print and are therefore easily identifiable.

Using the information available, determine the cause of the errors and correct them.

Resubmit the CSD utility commands that failed.

If you cannot resolve the problem, or if the problem persists, you will need further help from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CSMT

Module: DFHCAP

XMEOUT Parameters: *date, time, applid, netname, tranid, csdtype, ddname*

DFHCA5125 S *date time applid netname tranid* **Error occurred while closing** *csdtype* **CSD. File is full; ddname:** *ddname*

Explanation: After processing the CSD utility commands, the CSD control records are updated before closing the data set.

Updating failed because data set *ddname* was full.

System Action: Utility command processing is terminated.

User Response: Initialize a new primary CSD file with a larger data set size. Then use the IDCAMS IMPORT and EXPORT commands to restore the CSD file onto a larger data set. If you have a recoverable CSD and you update it from CICS in RLS mode, there are extra steps required to ensure that any retained locks remain associated with the data set. These are explained in the *CICS Recovery and Restart Guide*.

Destination: CSMT

Module: DFHCAP

XMEOUT Parameters: *date, time, applid, netname, tranid, csdtype, ddname*

DFHCA5126 S *date time applid netname tranid* **I/O error while closing** *csdtype* **CSD; ddname:** *ddname*

Explanation: An I/O error occurred when reading or writing the control records of the CSD file before closing VSAM data set *ddname*.

System Action: No further utility commands are executed.

User Response: Resubmit the utility commands that failed. If the problem persists, restore the CSD file from your own backup procedures.

Destination: CSMT

Module: DFHCAP

XMEOUT Parameters: *date, time, applid, netname, tranid, csdtype, ddname*

DFHCA5127 S *date time applid netname tranid* **VSAM error while closing** *csdtype* **CSD; ddname:** *ddname*

Explanation: A VSAM error occurred when closing the data set *ddname* in the JCL as the primary or secondary CSD file.

System Action: No further CSD utility commands are executed.

User Response: Refer to the VSAM diagnostics output in message DFHCA5179 for further information and guidance.

Destination: CSMT

Module: DFHCAP

XMEOUT Parameters: *date, time, applid, netname, tranid, csdtype, ddname*

DFHCA5128 S *date time applid netname tranid* **Processing terminated.** *csdtype* **CSD accessed by another user and could not be shared. ddname:** *ddname*

Explanation: An attempt to open the CSD has returned an error from VSAM because the data set is not available for the type of processing requested.

This usually means that

- An attempt has been made to open the CSD in non-RLS access mode, but the CSD is already being accessed from elsewhere in RLS access mode.
- An attempt has been made to open the CSD in RLS access mode, but the CSD is already being accessed from elsewhere in non-RLS access mode.
- An attempt has been made to open the CSD in non-RLS access mode, and the CSD is already being accessed in non-RLS access mode, but the CSD cluster has been defined with SHAREOPTIONS that restrict its concurrent use.

System Action: The command is not executed.

User Response: You can change the access mode in which you are trying to open the CSD.

Note: You must specify PARM=CSD(READONLY) if you wish to open a recoverable CSD in RLS access mode from the DFHCSDUP utility program.

Alternatively, wait until the CSD file is no longer being accessed in the conflicting access mode, or until it becomes available again in accordance with the SHAREOPTIONS rules defined for the cluster.

If the conflict is due to SHAREOPTIONS and LIST is the only command you want to execute, you can specify PARM=CSD(READONLY).

Destination: CSMT

Module: DFHCAP

XMEOUT Parameters: *date, time, applid, netname, tranid, csdtype, ddname*

DFHCA5130 E *date time applid netname tranid* **Unable to locate module DFHCICS. Primary CSD not initialized.**

Explanation: The DFHCICS module is missing from the library.

System Action: Processing of the INITIALIZE command is terminated.

User Response: Ensure that the DFHCICS module is present in the library.

Destination: CSMT

Module: DFHCAP

XMEOUT Parameters: *date, time, applid, netname, tranid*

DFHCA5131 I *date time applid netname tranid* **List** *listid* **created.**

Explanation: The INITIALIZE command has created the header for an IBM-protected list.

System Action: Normal processing continues.

User Response: None.

Destination: CSMT

Module: DFHCAP

XMEOUT Parameters: *date, time, applid, netname, tranid, listid*

DFHCA5132 S *date time applid netname tranid* **Unable to create list** *listid*

Explanation: The INITIALIZE command has failed when calling the CSD manager routing program, DFHDMP, to create a new list *listid* on the CSD file for the IBM-protected groups. The CSD file may be full or corrupt.

System Action: Processing of the INITIALIZE command is terminated.

User Response: Check that the data set size for the CSD file is large enough. If it is not, allocate more space.

If there is ample space and you suspect that the CSD file is corrupt, you need further assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CSMT

Module: DFHCAP

XMEOUT Parameters: *date, time, applid, netname, tranid, listid*

DFHCA5133 S *date time applid netname tranid* **CSD contains one or more lists. No lists may be present on the CSD when the INITIALIZE command is issued.**

Explanation: The CEDA transaction was used to create a list while the INITIALIZE command was executing.

System Action: Processing of the INITIALIZE command is terminated.

User Response: Redefine the data set and rerun the INITIALIZE command. The CEDA transaction must not be used until the initialization of the CSD file has been successfully completed.

Destination: CSMT

Module: DFHCAP

XMEOUT Parameters: *date, time, applid, netname, tranid*

DFHCA5134 S *date time applid netname tranid* **Error occurred while adding group** *grpname* **to list** *listid*

Explanation: A call to the CSD manager routing program, DFHDMP, to write the definition of group *grpname* to the CSD file as a member of an IBM-protected list *listid* created an error. The CSD file may be full or corrupt.

System Action: Processing of the INITIALIZE command is terminated.

User Response: Increase the data set size for the CSD file and repeat the INITIALIZE request. If this fails, you will need further assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CSMT

Module: DFHCAP

XMEOUT Parameters: *date, time, applid, netname, tranid, grpname, listid*

DFHCA5135 I *date time applid netname tranid* **Group** *grpname* **added to list** *listid*

Explanation: A group definition *grpname* has been satisfactorily created on the CSD file in list *listid*.

System Action: Processing continues.

User Response: None.

Destination: CSMT

Module: DFHCAP

XMEOUT Parameters: *date, time, applid, netname, tranid, grpname, listid*

DFHCA5136 W *date time applid netname tranid* **Group** *grpname* **is already a member of list** *listid*

Explanation: Group *grpname* already exists in list *listid*. CICS does not create a duplicate entry.

System Action: Normal utility processing continues.

User Response: None.

Destination: CSMT

Module: DFHCAP

XMEOUT Parameters: *date, time, applid, netname, tranid, grpname, listid*

DFHCA5140 I *date time applid netname tranid* **Total** *xxxxxxxx* **definitions created:** *nn*

Explanation: CICS issued this message after migrating a CICS table. *nn* definitions of type *xxxxxxxx* have been created on the CSD file.

System Action: Normal utility processing continues.

User Response: None.

Destination: CSMT

Module: DFHCAP

XMEOUT Parameters: *date, time, applid, netname, tranid, xxxxxxxx, nn*

DFHCA5141 S *date time applid netname tranid* **Unable to create new group** *grpname*

Explanation: The MIGRATE command failed when calling the CSD manager routing program, DFHDMP, to create a new group *grpname* on the CSD file for the data in the table being migrated. The CSD file may be full, corrupt, or not initialized. The group name may be invalid.

System Action: Processing of the MIGRATE command is terminated.

User Response: Check the group name in the TOGROUP parameter. Reinitialize the CSD file with the INITIALIZE command, providing a larger data set size if necessary.

Destination: CSMT

Module: DFHCAP

XMEOUT Parameters: *date, time, applid, netname, tranid, grpname*

DFHCA5142 E *date time applid netname tranid* **Command not executed.** *lgname* **was not updated because of a previous update failure.**

Explanation: The list or group *lgname* cannot be used because an operation to update it, using the DFHCSDUP offline utility, failed to execute to completion.

This has probably happened in a previous execution of DFHCSDUP.

System Action: The command is not executed, and the execution of subsequent DFHCSDUP commands in the job stream is suppressed.

User Response: Use the DFHCSDUP VERIFY command to remove the in-flight flag detected when this message is produced.

Destination: CSMT

Module: DFHCAP

XMEOUT Parameters: *date, time, applid, netname, tranid, lgname*

DFHCA5143 I *date time applid netname tranid* **Group** *grpname* **created.**

Explanation: A new CSD group, *grpname*, has been created for the data in the table being migrated.

System Action: Migration continues.

User Response: None.

Destination: CSMT

Module: DFHCAP

XMEOUT Parameters: *date, time, applid, netname, tranid, grpname*

DFHCA5145 E *date time applid netname tranid* **Command not executed.** *lgname* **has been locked by applid:** *applid* **opid:** *opid* **to prevent updating.**

Explanation: The list or group *lgname* cannot be used because a user of the CEDA or CEDB transaction has enforced a LOCK command to prevent updating by other users.

System Action: The command is not executed.

If commands are being read from a SYSIN data stream, subsequent commands (except the LIST command) are checked for syntax only. (If the primary CSD file cannot be opened, the LIST command is not processed either.)

If commands are being read from a get-command exit, the DFHCSDUP utility attempts to process subsequent commands.

User Response: Negotiate with the user with the specified OPID and APPLID, or create a new group or list by taking a copy of the definitions in the locked one.

Destination: CSMT

Module: DFHCAP

XMEOUT Parameters: *date, time, applid, netname, tranid, lgname, applid, opid*

DFHCA5146 E *date time applid netname tranid* **Command not executed.** *lgname* **is currently being updated by applid:** *applid* **opid:** *opid*

Explanation: The list or group *lgname* cannot be used because:

- A user of the CEDA or CEDB transaction is currently running a command to update it
- A previous operation to update it using CEDA or CEDB failed to execute to completion.

System Action: The command is not executed.

If commands are being read from a SYSIN data stream, subsequent commands (except the LIST command) are checked for syntax only. (If the primary CSD file cannot be opened, the LIST command is not processed either.)

If commands are being read from a get-command exit, the DFHCSDUP utility attempts to process subsequent commands.

User Response: Resubmit the utility job to retry the command that failed. Perform the subsequent commands that were suppressed.

If this fails to resolve the problem, run the DFHCSDUP VERIFY command to remove the in-flight flag detected when this message is produced.

Destination: CSMT

Module: DFHCAP

XMEOUT Parameters: *date, time, applid, netname, tranid, lgname, applid, opid*

DFHCA5147 E *date time applid netname tranid* **Command not executed.** *lgname* **already exists as a** *group-or-list*

Explanation: The name chosen for the target group (or list) duplicates that of an existing group or list on the CSD file.

System Action: Processing of the utility command is terminated.

User Response: Choose a different name for the target group.

Destination: CSMT

Module: DFHCAP

XMEOUT Parameters: *date, time, applid, netname, tranid, lgname, group-or-list*

DFHCA5148 E *date time applid netname tranid* **Unable to get storage for** *tabletype* **table named** *table*

Explanation: There is insufficient storage to satisfy a GETMAIN request for table *table*.

System Action: The system action depends on the table specified as follows:

LD (language definition table)
The CSD utility cannot process any commands, and terminates with a dump. The MVS user abend code is 0327.

FCT and RDT
The CSD utility cannot migrate the table, and terminates processing of the utility command.

User Response: Allocate additional storage. If your TCT assembly and link-editing is successful, the RDT should be in the library. The LD is in the load library of the supplied pregenerated CICS system.

Destination: CSMT

Module: DFHCAP

XMEOUT Parameters: *date, time, applid, netname, tranid, tabletype, table*

DFHCA5149 E *date time applid netname tranid* **Command not executed.** *xxxxxxxx* **is IBM-protected.**

Explanation: A user attempted to add a definition to an IBM-supplied group or list (groups or lists beginning with DFH). This is not allowed.

System Action: The CSD utility does not create a definition.

User Response: Change the input command or TCT source data to name a target group or list whose name does not begin with DFH.

Destination: CSMT

Module: DFHCAP

XMEOUT Parameters: *date, time, applid, netname, tranid, xxxxxxxx*

DFHCA5155 W *date time applid netname tranid tdqueue xxxxxxxx* **has same name as an IBM-supplied definition in group** *grpname*

Explanation: The name of the migrated table entry, *xxxxxxxx*, matches the name of an IBM-supplied resource in IBM-protected group *grpname*, created by the INITIALIZE command.

System Action: CICS migrates this entry normally.

User Response: If necessary, rename the resource, using the CEDA transaction.

Destination: CSMT

Module: DFHCAP

XMEOUT Parameters: *date, time, applid, netname, tranid, tdqueue, xxxxxxxx, grpname*

DFHCA5156 W *date time applid netname tranid TDqueue xxxxxxxx* **did not migrate. Its properties match an IBM-supplied definition in group** *grpname*

Explanation: The properties of the resource defined in the user's table entry are the same as those of the IBM-supplied resource of the same name contained in IBM-protected group *grpname.*

System Action: The entry for the user's resource is not migrated.

User Response: None.

Destination: CSMT

Module: DFHCAP

XMEOUT Parameters: *date, time, applid, netname, tranid, TDqueue, xxxxxxxx, grpname*

DFHCA5159 I *date time applid netname tranid resource object* **defined in group** *grpname*

Explanation: The CSD utility has successfully added a resource definition to a group, where:

- *resource* is the type of resource (CONNECTION, FILE, JOURNALMODEL, LSRPOOL, MAPSET, PARTITIONSET, PARTNER, PROFILE, PROGRAM, SESSION, TDQUEUE, TERMINAL, TRANCLASS, TRANSACTION, or TYPETERM).
- *object* is the name of the object.
- *grpname* is the name of the group.

System Action: Normal utility processing continues.

User Response: None.

Destination: CSMT

Module: DFHCAP

XMEOUT Parameters: *date, time, applid, netname, tranid, resource, object, grpname*

DFHCA5161 S *date time applid netname tranid* **Table** *table* **must be link-edited with AMODE(24) RMODE(24)**

Explanation: After loading the table *table*, the migration routine checks it has been linkedited with AMODE(24) RMODE(24) for migration purposes.

System Action: The MIGRATE command is not processed.

User Response: Relink the table with the correct attributes.

Destination: CSMT

Module: DFHCAP

XMEOUT Parameters: *date, time, applid, netname, tranid, table*

DFHCA5164 W *date time applid netname tranid* **No definition of** *resource object* **created. This duplicates an existing definition in group** *grpname*

Explanation: The CSD utility detected a CSD record with a matching key before adding the definition to the CSD file, where:

- *resource* is the type of resource.
- *object* is the name of the object.
- *grpname* is the name of the group.

System Action: The CSD utility does not migrate the resource definition to the CSD file. (If it is a transaction, a generated profile is not created either.)

User Response: Use the CEDA transaction to define the resource with a unique name.

Destination: CSMT

Module: DFHCAP

XMEOUT Parameters: *date, time, applid, netname, tranid, resource, object, grpname*

DFHCA5165 S *date time applid netname tranid* **Processing is terminated. An error occurred while writing** *resource object* **to the CSD.**

Explanation: An error occurred when the CSD utility called DFHDMP to write the definition of the object *object* to the CSD file.

The CSD file may be full or corrupted.

resource is the type of resource.

System Action: If the CSD is full, the CSD utility issues message DFHCA5176, and then terminates with a return code of 12 in message DFHCA5109.

If the CSD is not full, the CSD utility terminates abnormally with message DFHCA5175, usually accompanied by one or more of the explanatory messages, DFHCA5177, DFHCA5178, and DFHCA5179.

User Response: Use the additional messages to determine the cause of the error and the appropriate user action required.

Destination: CSMT

Module: DFHCAP

XMEOUT Parameters: *date, time, applid, netname, tranid, resource, object*

DFHCA5166 E *date time applid netname tranid* **Disallowed character in** *resource* **name** *object*

Explanation: The call to module DFHDMP has failed to construct a valid key for the record created on the CSD file because of an invalid character, or the resource name for the migrated table entry may be invalid. *resource* is the type of resource, and *object* is the name of the object.

System Action: A CSD record is not created for this definition. (If it is a transaction, a generated profile is not created either.)

User Response: Use the CEDA transaction to define the resource with a valid name.

Destination: CSMT

Module: DFHCAP

XMEOUT Parameters: *date, time, applid, netname, tranid, resource, object*

DFHCA5167 S *date time applid netname tranid* **The CSECTs in table** *table* **have been link-edited in the wrong order.**

Explanation: While processing a MIGRATE command, the CSD utility has detected that the CSECTs in table *table* are in the wrong order. Input to the linkage editor omitted a control statement to order the CSECTs.

System Action: The CSD utility does not process the MIGRATE command.

User Response: Use the IBM-supplied procedure, DFHAUPLK, to assemble and link-edit CICS tables. This procedure ensures the correct ordering of CSECTs within the tables.

Destination: CSMT

Module: DFHCAP

XMEOUT Parameters: *date, time, applid, netname, tranid, table*

DFHCA5168 S *date time applid netname tranid* **Table loaded from library member** *table* **is not a valid** *tabletype***.**

Explanation: After loading the table *table*, the migration routine checks the VMNAME field in the DFHVM expansion of the data area following the load point. This message is produced if VMNAME is not that of a valid table.

System Action: The MIGRATE command is not processed.

User Response:

1. Ensure that the correct table is present in the library, and that the TABLE parameter of the MIGRATE command is correct.
2. Ensure that an ORDER statement was processed in the JCL of the link-editing of the table.

Destination: CSMT

Module: DFHCAP

XMEOUT Parameters: *date, time, applid, netname, tranid, table, tabletype*

DFHCA5169 S *date time applid netname tranid* **Processing is terminated. Table** *table* **was assembled for CICS release** *rrr***. Reassemble for release** *sss***.**

Explanation: After loading the table *table*, the migration routine checks the VMVERS field in the DFHVM expansion of the data area following the load point. This field indicates the CICS release (*rrr*) for which the table was assembled, and is invalid for the CICS system (release *sss*) that is running.

System Action: The MIGRATE command is not processed.

User Response: Reassemble the table for the correct release of CICS.

Destination: CSMT

Module: DFHCAP

XMEOUT Parameters: *date, time, applid, netname, tranid, table, rrr, sss*

DFHCA5171 E *date time applid netname tranid* **No definition for file DFHCSD created. The CSD should be defined in the SIT.**

Explanation: The CSD utility detected an attempt to migrate a definition of the CSD to the CSD.

System Action: The CSD utility creates no definition for DFHCSD. Normal utility processing continues with the utility return code set to 8.

User Response: Remove the definition of the CSD from the FCT. Ensure that your definition of the CSD is added to the SIT.

Destination: CSMT

Module: DFHCAP

XMEOUT Parameters: *date, time, applid, netname, tranid*

DFHCA5172 W *date time applid netname tranid* **No definition for file** *file* **created. BDAM files are not supported by RDO.**

Explanation: The CSD utility detected an attempt to migrate a definition of a BDAM data set to the CSD. BDAM data sets are not supported by RDO.

System Action: The migration request is ignored. A definition for the named BDAM data set is not created. Normal utility processing continues, but the utility return code will be set to 4.

User Response: BDAM data sets should be defined to CICS using the FCT. Reassemble your FCT with MIGRATION=COMPLETE on the TYPE=INITIAL macro after all VSAM data sets have been migrated. Use the generated FCT as you would in a non-RDO environment.

Destination: CSMT

Module: DFHCAP

XMEOUT Parameters: *date, time, applid, netname, tranid, file*

DFHCA5173 W *date time applid netname tranid* **SERVREQ=REUSE is ignored in the definition of file** *filename* **because it is not supported by RDO.**

Explanation: The CSD utility detected an attempt to migrate to the CSD the definition of VSAM file *filename* with SERVREQ=REUSE specified. RDO does not support files with the SERVREQ=REUSE attribute.

System Action: The SERVREQ=REUSE attribute of the file is ignored, and the file is migrated to the CSD without it. Normal utility processing continues, but the utility return code is set to 4.

CICS Transaction Server for OS/390 Release 3 supports the concept of empty files without the need to specify a separate FCT entry with SERVREQ=REUSE in order to load the data set. The SET FILE EMPTY command can be used for a file allocated to a data set defined as reusable. It specifies that the data set is set empty the next time the file is opened.

User Response: Eliminate use of SERVREQ=REUSE files from your installation.

Destination: CSMT

Module: DFHCAP

XMEOUT Parameters: *date, time, applid, netname, tranid, filename*

DFHCA5174 S *date time applid netname tranid* **Processing is terminated. Command cannot be executed because 'PARM=CSD(READONLY)' was specified.**

Explanation: This command requires the CSD to be opened for read-write access. Your job step specified read-only access for the CSD in the DFHCSDUP utility job stream.

System Action: This command is not executed.

If commands are being read from a SYSIN data stream, subsequent commands (except LIST) are checked for syntax only. (If the primary CSD file cannot be opened, LIST is not processed either.)

If commands are being read from a get-command exit, DFHCSDUP attempts to process subsequent commands.

User Response: Amend the JCL to specify 'PARM=CSD(READWRITE)'.

Note: If the CSD is recoverable and you are accessing it in RLS mode, you cannot specify READWRITE access. In order to perform the command, you need to access the CSD in non-RLS mode.

Destination: CSMT

Module: DFHCAP

XMEOUT Parameters: *date, time, applid, netname, tranid*

DFHCA5175 S *date time applid netname tranid* **Processing is terminated. Unexpected response from** *function* **in CSD manager.**

Explanation: An invocation of the CSD manager, DFHDMP, has resulted in an error. The name of the function that failed is *function*.

System Action: DFHCSDUP issues additional messages, then:

- Terminates **normally** for CSD open/close errors, and the CSD-full condition, or
- Terminates **abnormally** for all other situations.

User Response: Ensure that you have set up your CSD file correctly. If you have migrated your CSD file from a previous release, note that you should have increased your block size to 500. If necessary, use the diagnostics in the additional messages.

Destination: CSMT

Module: DFHCAP

XMEOUT Parameters: *date, time, applid, netname, tranid, function*

DFHCA5176 S *date time applid netname tranid* **Processing is terminated. CSD is full.**

Explanation: The VSAM data set containing the CSD file is full.

System Action: Execution of the CSD utility command is terminated.

If commands are being read from a SYSIN data stream, subsequent commands (except LIST commands) are checked for syntax only. (If the primary CSD file cannot be opened, the LIST command is not processed either.)

If commands are being read from a get-command exit, the DFHCSDUP utility attempts to process subsequent commands.

The DFHCSDUP utility leaves a system lock on the group being created at the time of failure. This lock prevents processing of the group by the CSD utility or the CEDA transaction.

User Response: First, use the DFHCSDUP VERIFY process to remove the system lock on the partly-created group. Normal RDO processing of the group should then be possible, enabling the group (or any unwanted definitions) to be deleted.

To recover the contents of the CSD file, define a larger data set and use the AMS REPRO command. Usually, you will be able to REPRO from the CSD file that became full. If you are unable to do this, use a backup copy.

If your CSD is a recoverable data set and you update it from CICS in RLS mode, there are additional steps to be taken when using REPRO to ensure that any retained locks remain associated with the data set. These are explained in the *CICS Recovery and Restart Guide*.

You may be able to transfer definitions from the CSD file that filled up by using the DFHCSDUP COPY command with the FROMCSD option.

Destination: CSMT

Module: DFHCAP

XMEOUT Parameters: *date, time, applid, netname, tranid*

DFHCA5177 S *date time applid netname tranid* **Processing is terminated. CSD I/O error occurred.**

Explanation: An I/O error occurred when executing a READ or WRITE of a CSD record on the primary or secondary CSD file.

System Action: DFHCSDUP issues additional messages and terminates abnormally.

User Response: Restore the CSD file to a new data set from your own backup, or create the new CSD file by using the INITIALIZE, COPY, and APPEND commands to restore existing definitions.

Destination: CSMT

Module: DFHCAP

XMEOUT Parameters: *date, time, applid, netname, tranid*

DFHCA5178 S *date time applid netname tranid* **Processing is terminated. Severe CSD error occurred.**

Explanation: An error occurred during execution of the CSD manager, DFHDMP, to access the primary or secondary CSD file.

System Action: DFHCSDUP issues additional messages and terminates abnormally.

User Response: See the VSAM diagnostics given in message DFHCA5179.

Destination: CSMT

Module: DFHCAP

XMEOUT Parameters: *date, time, applid, netname, tranid*

DFHCA5179 S *date time applid netname tranid* **VSAM error. Return code =** *nn* **Error code =** *ddd(yy)* **Control block type =** *type*

Explanation: VSAM returned the following diagnostics when an error occurred, where:

- *nn* is the hexadecimal VSAM return code
- *yy* is the hexadecimal VSAM error code (*ddd* is its decimal equivalent)
- CONTROL BLOCK TYPE points to the relevant error code subset as follows:
  - RPL = Request macro responses from VSAM
  - ACB = OPEN/CLOSE responses

  The error code is:
  - For CONTROL BLOCK TYPE = RPL, the reason code from byte 3 of the feedback word field in the RPL (RPLERRCD)
  - For CONTROL BLOCK TYPE = ACB, the reason code in the ERROR field in the ACB (ACBERFLG)

System Action: The CSD utility terminates command processing, and in some situations, produces an operating system dump.

User Response: For the meaning of the VSAM return and error codes, refer to the *DFSMS/MVS V1R3 Macro Instructions for Data Sets* manual.

When interpreting these diagnostics, ensure that the data set referenced in the JCL exists.

Check the following:

- The data set is being concurrently accessed by CICS running in another region.
- You are not attempting to open a recoverable CSD as READWRITE if DFHCSDUP specifies RLS access mode. You must specify PARM=CSD(READONLY) in this case.
- LOG is defined on the base cluster if RLS access mode is specified.

If DFHCSDUP specifies RLS access mode, a 'record not found' error could mean that the CSD has not been initialized.

Note: You must use non-RLS access mode to initialize a recoverable CSD.

Destination: CSMT

Module: DFHCAP

XMEOUT Parameters: *date, time, applid, netname, tranid, nn, ddd(yy), type*

DFHCA5180 S *date time applid netname tranid* **Processing is terminated. Error occurred while CSD was being read by** *function subfunction*

Explanation: When the LIST command invoked DFHDMP to scan the objects on the CSD file, an error occurred during execution of the DFHDMP function.

System Action: The CSD utility terminates with an MVS abend 0325.

User Response: This error should be reported. You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CSMT

Module: DFHCAP

XMEOUT Parameters: *date, time, applid, netname, tranid, function, subfunction*

DFHCA5181 W *date time applid netname tranid* **No match found for generic** *group-or-list* **identifier** *xxxxxxxx*

Explanation: The LIST command was executed with a generic group or list name, but no qualifying group or list exists on the CSD file.

System Action: Normal processing continues.

User Response: None.

Destination: CSMT

Module: DFHCAP

XMEOUT Parameters: *date, time, applid, netname, tranid, group-or-list, xxxxxxxx*

DFHCA5182 W *date time applid netname tranid group-or-list xxxxxxxx* **does not exist.**

Explanation: The LIST command or the DELETE command was executed using the name of a group or list that does not exist on the primary CSD file.

System Action: The LIST command or the DELETE command is not processed. Subsequent commands may still be processed.

User Response: Correct the LIST command or the DELETE command to use a valid group or list name.

If a CSD upgrade is being performed, no user action is required.

Destination: CSMT

Module: DFHCAP

XMEOUT Parameters: *date, time, applid, netname, tranid, group-or-list, xxxxxxxx*

DFHCA5183 W *date time applid netname tranid group-or-list xxxxxxxx* **exists as a** *list-or-group* **name.**

Explanation: The LIST command or the DELETE command was executed using a group name that is already in use as a list name, or using a list name that is already in use as a group name.

System Action: The LIST command or the DELETE command is not processed. Subsequent commands may still be processed.

User Response: Correct the LIST command or the DELETE command to use a valid group or list name.

Destination: CSMT

Module: DFHCAP

XMEOUT Parameters: *date, time, applid, netname, tranid, group-or-list, xxxxxxxx, list-or-group*

DFHCA5184 S *date time applid netname tranid* **Processing is terminated. Invalid output from DFHPUP. Cannot format data for utility listing.**

Explanation: There has been an internal logic error in the DFHCSDUP utility program. The data in the back-translated output buffer is invalid. The length code may be out of range or the data fields in the wrong sequence. One or more of the data fields may be invalid.

System Action: The CSD utility terminates with an MVS abend 0326.

User Response: This error must be reported.

Obtain a dump from DFHCSDUP together with a listing of the DFHCSDUP run and its JCL. Also try to obtain a print out of the CSD, using either IDCAMS or the DFHCSDUP LIST ALL option. The LIST indicates where the error(s) have occurred because they do not print and are therefore easily identifiable.

You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CSMT

Module: DFHCAP

XMEOUT Parameters: *date, time, applid, netname, tranid*

DFHCA5186 W *date time applid netname tranid* **No** *objects* **defined in** *grpname listid*

Explanation: In executing a LIST command, the CSD utility has found a group or list header on the CSD file for which no corresponding group or list elements exist.

System Action: The utility continues to process the LIST command, but will not tabulate elements of the group or list named in the message.

User Response: Run the DFHCSDUP VERIFY utility.

Destination: CSMT

Module: DFHCAP

XMEOUT Parameters: *date, time, applid, netname, tranid, objects, grpname, listid*

DFHCA5187 I *date time applid netname tranid resource* **is locked, but is not the name of a group or list.**

Explanation: The CSD utility detected a locked resource that is not a group or list. The reason is that an interrupt or failure occurred during a CEDA transaction or a previous utility job. A lock had been created but not the associated group or list.

System Action: The utility continues normal processing of the VERIFY command.

User Response: None.

Destination: CSMT

Module: DFHCAP

XMEOUT Parameters: *date, time, applid, netname, tranid, resource*

DFHCA5188 I *date time applid netname tranid object-type name* **is now available for use.**

Explanation: The VERIFY command discovered that the resource was not available for the CEDA transaction or offline commands. The restriction on its availability, which was due to the failure of some previous command affecting it, has now been removed.

System Action: Normal processing of the VERIFY command continues.

User Response: None.

Destination: CSMT

Module: DFHCAP

XMEOUT Parameters: *date, time, applid, netname, tranid, object-type, name*

DFHCA5189 I *date time applid netname tranid* **CSD verify process completed successfully.**

Explanation: The VERIFY command has been processed successfully, and any internal locks associated with groups and lists on the CSD file have been removed.

System Action: Normal processing continues.

User Response: None.

Destination: CSMT

Module: DFHCAP

XMEOUT Parameters: *date, time, applid, netname, tranid*

DFHCA5190 S *date time applid netname tranid* **Command is not executed. Unable to get storage for service module** *progname*

Explanation: There is insufficient storage available to load the service module *progname*, that is to be loaded and executed by DFHCSDUP.

System Action: Utility command execution is terminated.

If commands are being read from a SYSIN data stream, subsequent commands (except LIST commands) are checked for syntax only. (If the primary CSD file cannot be opened, the LIST command is not processed either.)

If commands are being read from a get-command exit, DFHCSDUP attempts to process subsequent commands.

User Response: Ensure that there is sufficient storage allocated to load module *progname*.

Destination: CSMT

Module: DFHCAP

XMEOUT Parameters: *date, time, applid, netname, tranid, progname*

DFHCA5191 I *date time applid netname tranid* **Service program** *progname* **is running.**

Explanation: The service module *progname* has been loaded correctly. Execution of the module has started.

System Action: Normal processing continues.

User Response: None.

Destination: CSMT

Module: DFHCAP

XMEOUT Parameters: *date, time, applid, netname, tranid, progname*

DFHCA5192 S *date time applid netname tranid* **Command is not executed. CSD service level** *ttt* **is incompatible with current service level** *sss*

Explanation: Either the LEVEL parameter specified in the SERVICE command is wrong, or an incorrect version of the CSD file is being used as the secondary (input) CSD file.

System Action: The SERVICE command is not executed.

If commands are being read from a SYSIN data stream, subsequent commands (except LIST commands) are checked for syntax only. (If the primary CSD file cannot be opened, the LIST command is not processed either.)

If commands are being read from a get-command exit, DFHCSDUP attempts to process subsequent commands.

User Response: The SERVICE command may upgrade the service level of the CSD file only in increments of one. Check that the input CSD file is the intended one, and that the LEVEL parameter takes the value one higher than the current service level of the CSD file.

Destination: CSMT

Module: DFHCAP

XMEOUT Parameters: *date, time, applid, netname, tranid, ttt, sss*

DFHCA5193 S *date time applid netname tranid* **Command is not executed. Service module** *progname* **is unable to upgrade CSD to target service level** *ttt*

Explanation: The LEVEL parameter specified in the SERVICE command is incompatible with the status of the service module *progname* being applied to the CSD file.

System Action: The SERVICE command is not executed.

If commands are being read from a SYSIN data stream, subsequent commands (except LIST commands) are checked for syntax only. (If the primary CSD file cannot be opened, the LIST command is not processed either.)

If commands are being read from a get-command exit, DFHCSDUP attempts to process subsequent commands.

User Response: Ensure that the service module *progname*, being applied, is correctly updated with the service fix supplied by IBM. (It should have been amended so as to be able to process SERVICE commands at the target level *ttt*.)

Destination: CSMT

Module: DFHCAP

XMEOUT Parameters: *date, time, applid, netname, tranid, progname, ttt*

DFHCA5194 I *date time applid netname tranid* **Upgrading service status of CSD from level** *sss* **to level** *ttt*

Explanation: The loaded service module is performing the required upgrade of the CSD file from service level *sss* to service level *ttt*.

System Action: Normal processing continues.

User Response: None.

Destination: CSMT

Module: DFHCAP

XMEOUT Parameters: *date, time, applid, netname, tranid, sss, ttt*

DFHCA5195 I *date time applid netname tranid* **Execution of service program** *progname* **complete.**

Explanation: The loaded service program *progname* has run to completion. Control is being transferred back to the CSD offline utility program, DFHCSDUP.

System Action: Normal processing continues.

User Response: None.

Destination: CSMT

Module: DFHCAP

XMEOUT Parameters: *date, time, applid, netname, tranid, progname*

DFHCA5196 S *date time applid netname tranid* **Command is terminated. Error occurred while reading control secondary CSD record.**

Explanation: An I/O error has occurred on the specified CSD file.

System Action: The SERVICE command is terminated.

If commands are being read from a SYSIN data stream, subsequent commands (except LIST) are checked for syntax only. (If the primary CSD file cannot be opened, LIST is not processed either.)

If commands are being read from a get-command exit, DFHCSDUP attempts to process subsequent commands.

User Response: Retry the command, ensuring that a sufficiently large data set size is specified for the output (primary) CSD file.

Destination: CSMT

Module: DFHCAP

XMEOUT Parameters: *date, time, applid, netname, tranid*

DFHCA5197 S *date time applid netname tranid* **Command is terminated. Unrecognized control record encountered while secondary CSD was being read.**

Explanation: The contents of a control record of the secondary input CSD are invalid.

System Action: The SERVICE command is terminated.

If commands are being read from a SYSIN data stream, subsequent commands (except LIST) are checked for syntax only. (If the primary CSD file cannot be opened, LIST is not processed either.)

If commands are being read from a get-command exit, DFHCSDUP attempts to process subsequent commands.

User Response: Check that the input and output data sets have been correctly defined, and that the DDNAME for the secondary CSD file in the JCL corresponds to the OLDCSD parameter in the SERVICE utility command.

If the problem persists, you will need further help from IBM. First, obtain a dump from DFHCSDUP together with a listing of the DFHCSDUP run and its JCL. Also try to obtain a printout of the CSD using either IDCAMS or the DFHCSDUP LIST ALL option. The LIST indicates where the errors have occurred because they do not print and are therefore easily identifiable. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CSMT

Module: DFHCAP

XMEOUT Parameters: *date, time, applid, netname, tranid*

DFHCA5198 I *date time applid netname tranid* **CSD record modified for** *resource-type resource-name***,** *group-or-list group-or-list-name*

Explanation: The specified modification to a record on the CSD file has taken place.

System Action: Normal processing continues. If the modified record is an element in a GROUP or LIST, its date-and-time field is updated when copied to the output (primary) CSD file.

User Response: None.

Destination: CSMT

Module: DFHCAP

XMEOUT Parameters: *date, time, applid, netname, tranid, resource-type, resource-name, group-or-list, group-or-list-name*

DFHCA5199 W *date time applid netname tranid* **Invalid field encountered in existing record for** *resource-type***:** *resource-name group-or-list***:** *group-or-list-name*

Explanation: An unexpected value was found in one of the fields of a CSD record that was to be modified for element *resource-name* of type *resource-type*.

System Action: Normal processing continues, and the invalid record is left unchanged on the new (primary) CSD file.

User Response: None.

Destination: CSMT

Module: DFHCAP

XMEOUT Parameters: *date, time, applid, netname, tranid, resource-type, resource-name, group-or-list, group-or-list-name*

DFHCA5200 S *date time applid netname tranid* **Command not executed. No valid language table was loaded.**

Explanation: The utility found that the RDO language table had not been loaded correctly, or that it contained invalid data.

System Action: The utility terminates because it cannot process any commands.

User Response: Check that the correct version of the RDO language table (DFHEITSP) is in the program library.

Destination: CSMT

Module: DFHCAP

XMEOUT Parameters: *date, time, applid, netname, tranid*

DFHCA5201 S *date time applid netname tranid* **'***command***' command is not valid. Command not executed.**

Explanation: The CSD utility does not recognize the command.

System Action: The utility ignores the command.

User Response: Correct the command.

Destination: CSMT

Module: DFHCAP

XMEOUT Parameters: *date, time, applid, netname, tranid, command*

DFHCA5202 S *date time applid netname tranid* **Incorrect syntax for '***command***' command. Command not executed.**

Explanation: The syntax of the command is incorrect.

System Action: The CSD utility ignores the command.

User Response: Correct the command.

Destination: CSMT

Module: DFHCAP

XMEOUT Parameters: *date, time, applid, netname, tranid, command*

DFHCA5203 W *date time applid netname tranid* **Right parenthesis assumed after the value of '***xxxx***'.**

Explanation: The syntax of the command was incorrect. Either a right parenthesis has been omitted or a keyword value in excess of 256 bytes has been specified.

System Action: The utility executes the command as if the right parenthesis was present.

User Response: Confirm that the correction applied by the utility generated the required command.

Destination: CSMT

Module: DFHCAP

XMEOUT Parameters: *date, time, applid, netname, tranid, xxxx*

DFHCA5204 E *date time applid netname tranid* **Command not executed. '***xxxx***' keyword is not valid.**

Explanation: The keyword *xxxx* is not valid on this command.

System Action: The utility command is ignored.

User Response: Correct the command.

Destination: CSMT

Module: DFHCAP

XMEOUT Parameters: *date, time, applid, netname, tranid, xxxx*

DFHCA5205 E *date time applid netname tranid* **Command not executed. No value was specified for '***xxxx***'.**

Explanation: The option *xxxx* is incomplete, possibly because a value has been omitted.

System Action: The utility command is ignored.

User Response: Correct the command.

Destination: CSMT

Module: DFHCAP

XMEOUT Parameters: *date, time, applid, netname, tranid, xxxx*

DFHCA5206 E *date time applid netname tranid* **Command not executed. Duplicate specification of '***xxxx***'.**

Explanation: Option *xxxx* appears twice on a single utility command.

System Action: The utility ignores the command.

User Response: Correct the command.

Destination: CSMT

Module: DFHCAP

XMEOUT Parameters: *date, time, applid, netname, tranid, xxxx*

DFHCA5207 E *date time applid netname tranid* **Command not executed. '***xxxxxxxx***' does not require a value.**

Explanation: The utility detected an input command coded with a value for option *xxxxxxxx* when no value was required.

System Action: The utility does not process the command.

User Response: Correct the command.

Destination: CSMT

Module: DFHCAP

XMEOUT Parameters: *date, time, applid, netname, tranid, xxxxxxxx*

DFHCA5210 E *date time applid netname tranid* **Command not executed. Invalid value was specified for '***xxxx***'.**

Explanation: The utility detected an input command coded with an invalid value for option *xxxx*.

System Action: The utility does not process the command.

User Response: Correct the value.

Destination: CSMT

Module: DFHCAP

XMEOUT Parameters: *date, time, applid, netname, tranid, xxxx*

DFHCA5211 E *date time applid netname tranid* **Command not executed. Operand delimiter '***x***' was misplaced.**

Explanation: The utility has detected an input command coded with a misplaced option delimiter *x*.

System Action: The utility does not process the command.

User Response: Place the delimiter correctly.

Destination: CSMT

Module: DFHCAP

XMEOUT Parameters: *date, time, applid, netname, tranid, x*

DFHCA5212 E *date time applid netname tranid* **Command not executed.** *comptype* **'***string***' is not uniquely identifiable.**

Explanation: An ambiguous DFHCSDUP or CREATE command has been specified.

- *comptype* is the command component type
- *string* is the actual component.

System Action: The command is not executed. For DFHCSDUP, if commands are being read from a SYSIN data stream, subsequent commands (except LIST commands) are checked for syntax only. If commands are being read from a get-command exit, DFHCSDUP attempts to process subsequent commands.

User Response: Correct the command syntax and retry. See accompanying message DFHCA5213 for further details of the command failure.

Destination: CSMT

Module: DFHCAP

XMEOUT Parameters: *date, time, applid, netname, tranid, comptype, string*

DFHCA5213 E *date time applid netname tranid* **Specified** *input* **could be interpreted as** *match1* **or** *match2*

Explanation: An ambiguous DFHCSDUP or CREATE command has been specified.

- *input* is the ambiguous character string
- *match1* and *match2* are two possible interpretations of *input.*

System Action: The command is not executed. For DFHCSDUP, if commands are being read from a SYSIN data stream, subsequent commands (except LIST commands) are checked for syntax only. If commands are being read from a get-command exit, DFHCSDUP attempts to process subsequent commands.

User Response: Correct the command syntax and retry.

Destination: CSMT

Module: DFHCAP

XMEOUT Parameters: *date, time, applid, netname, tranid, input, match1, match2*

DFHCA5214 W *date time applid netname tranid keyword* **is an obsolete keyword. It is ignored.**

Explanation: The utility has detected an input command coded with an obsolete keyword. The keyword specifies an option not valid for this release of CICS.

System Action: The utility ignores the keyword.

User Response: Confirm that the resulting utility command is correct for this release of CICS.

Destination: CSMT

Module: DFHCAP

XMEOUT Parameters: *date, time, applid, netname, tranid, keyword*

DFHCA5215 E *date time applid netname tranid* **Command not executed. A closing parenthesis has been omitted from a null value specified on an ALTER command.**

Explanation: A closing parenthesis was not added when a null value was specified for a keyword on an ALTER command. A closing parenthesis is automatically added for keyword values other than nulls.

System Action: The command is not executed. If commands are being read from a SYSIN data stream, subsequent commands (except LIST commands) are checked for syntax only. If commands are being read from a get-command exit, DFHCSDUP attempts to process subsequent commands.

User Response: Correct the command syntax and retry.

Destination: CSMT

Module: DFHCAP

XMEOUT Parameters: *date, time, applid, netname, tranid*

DFHCA5216 E *date time applid netname tranid restype resname* **is not in group** *group*

Explanation: A nonexistent resource of type *restype* and name *resname*, has been specified on an ALTER command.

System Action: The command is not executed. If commands are being read from a SYSIN data stream, subsequent commands (except LIST commands) are checked for syntax only. If commands are being read from a get-command exit, DFHCSDUP attempts to process subsequent commands.

User Response: Correct the command syntax and retry.

Destination: CSMT

Module: DFHCAP

XMEOUT Parameters: *date, time, applid, netname, tranid, restype, resname, group*

DFHCA5217 E *date time applid netname tranid* **Command not executed. A closing bracket has been omitted from a** *xxxx* **keyword.**

Explanation: A closing bracket has been omitted from the *xxxx* keyword on a CREATE or DFHCSDUP DEFINE command.

System Action: The command is not executed.

User Response: Correct the command syntax and retry.

Destination: CSMT

Module: DFHCAP

XMEOUT Parameters: *date, time, applid, netname, tranid, xxxx*

DFHCA5218 I *date time applid netname tranid* **Altering** *Resourcetype Resourcename* **in group** *Groupname*

Explanation: During the execution of a generic ALTER command, the CSD batch update utility scans the CSD file for matches to the specified generic resource name and/or GROUP keyword. For every match, the utility processes the request and informs the user of the resulting *resourcename* and/or *groupname* respectively.

System Action: Normal processing continues.

User Response: None.

Destination: CSMT

Module: DFHCSDUP

XMEOUT Parameters: *date, time, applid, netname, tranid, Resourcetype, Resourcename, Groupname*

DFHCA5219 W *date time applid netname tranid* **No match found on CSD file for** *Resourcetype Resourcename* **group** *Groupname*

Explanation: The ALTER command was executed with a generic resource and/or group name, but no qualifying resource and/or group exist on the CSD file.

System Action: Normal processing continues.

User Response: None.

Destination: CSMT

Module: DFHCSDUP

XMEOUT Parameters: *date, time, applid, netname, tranid, Resourcetype, Resourcename, Groupname*

DFHCA5220 S *date time applid netname tranid* **Command not executed. '***xxxxxxxx***' must be the first command.**

Explanation: The CSD utility found an INITIALIZE command after other commands.

System Action: The CSD utility ignores the command.

User Response: Confirm that the INITIALIZE command was misplaced.

Destination: CSMT

Module: DFHCAP

XMEOUT Parameters: *date, time, applid, netname, tranid, xxxxxxxx*

DFHCA5222 E *date time applid netname tranid* **Command not executed. '***xxxxxxxx***' keyword was omitted or specified incorrectly.**

Explanation: A required keyword *xxxxxxxx* was omitted from a CSD utility command.

System Action: The utility ignores the command.

User Response: Specify keyword *xxxxxxxx*.

Destination: CSMT

Module: DFHCAP

XMEOUT Parameters: *date, time, applid, netname, tranid, xxxxxxxx*

DFHCA5223 E *date time applid netname tranid* **Command not executed. '***xxxxxxxx***' keyword conflicts with '***xxxxxxxx***' keyword.**

Explanation: The syntax of the command is incorrect. Conflicting keywords have been specified.

System Action: The utility command is ignored.

User Response: Correct the command.

Destination: CSMT

Module: DFHCAP

XMEOUT Parameters: *date, time, applid, netname, tranid, xxxxxxxx, xxxxxxxx*

DFHCA5224 E *date time applid netname tranid* **Command not executed. The value of** *operand* **is outside the valid range for** *keyword***.**

Explanation: A numeric value of *operand* was detected, which is outside the permitted range of values for the keyword *keyword*.

System Action: The command is not executed.

User Response: Correct the value.

Destination: CSMT

Module: DFHCAP

XMEOUT Parameters: *date, time, applid, netname, tranid, operand, keyword*

DFHCA5225 E *date time applid netname tranid* **Command not executed. Same name specified for '***xxxxxxxx***' and '***xxxxxxxx***'.**

Explanation: This message is issued for one of the following reasons:

1. The utility COPY command has been coded with the same group name for the source and target group.
2. The APPEND command has been coded with the same list name for the source and target list.
3. The ADD command has been coded with the same group name and list name.

System Action: The CSD utility or CICS ignores the command.

User Response: Correct the name (or names) in error.

Destination: CSMT

Module: DFHCAP

XMEOUT Parameters: *date, time, applid, netname, tranid, xxxxxxxx, xxxxxxxx*

DFHCA5227 E *date time applid netname tranid* **Command not executed. Use of generic name conflicts with '***xxxxxxxx***' option.**

Explanation: A CSD utility command used a generic name; that is, one containing asterisk (*) or plus sign (+) characters, in conjunction with an option that conflicted with the use of generic names.

System Action: The utility ignores the command.

User Response: Correct the command.

Destination: CSMT

Module: DFHCAP

XMEOUT Parameters: *date, time, applid, netname, tranid, xxxxxxxx*

DFHCA5228 E *date time applid netname tranid* **Command not executed. Only one resource-type keyword may be specified.**

Explanation: The CSD utility detected an input command coded with more than one resource-type keyword.

System Action: The utility does not process the command.

User Response: Correct the command to refer to only one resource-type keyword.

Destination: CSMT

Module: DFHCAP

XMEOUT Parameters: *date, time, applid, netname, tranid*

DFHCA5229 E *date time applid netname tranid* **Command not executed. '***xxxxxxxx***' is invalid because a resource-type keyword was specified.**

Explanation: The CSD utility detected an input command coded with a resource-type keyword (for example, PROGRAM, TRANSACTION) in a situation where a resource-type keyword is invalid.

System Action: The utility does not process the command.

User Response: Correct the command and resubmit.

Destination: CSMT

Module: DFHCAP

XMEOUT Parameters: *date, time, applid, netname, tranid, xxxxxxxx*

DFHCA5230 I *date time applid netname tranid* **ERASE command is obsolete. Use the DELETE command.**

Explanation: The CSD utility detected the obsolete ERASE command in its input.

System Action: The utility processes the command as a DELETE command.

User Response: In future, use the DELETE command instead of the ERASE command.

Destination: CSMT

Module: DFHCAP

XMEOUT Parameters: *date, time, applid, netname, tranid*

DFHCA5231 E *date time applid netname tranid* **Command not executed. '***xxxxxxxx***' is incompatible with the MIGRATE command for** *tabletype* **tables.**

Explanation: An attempt has been made to execute the MIGRATE command with an invalid table type and (or) an invalid keyword specified.

System Action: The CSD utility terminates.

User Response: Correct the command syntax and resubmit the job.

Destination: CSMT

Module: DFHCAP

XMEOUT Parameters: *date, time, applid, netname, tranid, xxxxxxxx, tabletype*

DFHCA5232 E *date time applid netname tranid* **Command not executed. '***xxxxxxxx***' parameter must not begin with 'DFH'.**

Explanation: In a CSD utility MIGRATE command, the *xxxxxxxx* parameter contained an invalid table name or group name.

System Action: The utility does not process the command.

User Response: Resubmit with a valid table name or group name.

Destination: CSMT

Module: DFHCAP

XMEOUT Parameters: *date, time, applid, netname, tranid, xxxxxxxx*

DFHCA5233 E *date time applid netname tranid* **Command not executed. '***tabletype***' table type is not supported by RDO.**

Explanation: The CSD utility detected a TABLE parameter that referred to a CICS table type not supported by RDO.

RDO supports:

- Program, transaction, and terminal definitions (RDT)
- Files (FCT)
- Transient data queues (DCT).

System Action: The utility does not process the command.

User Response: Correct the command.

Destination: CSMT

Module: DFHCAP

XMEOUT Parameters: *date, time, applid, netname, tranid, tabletype*

DFHCA5234 E *date time applid netname tranid* **Command not executed. '***command***' command is not supported.**

Explanation: The CSD utility detected a command *command* in its input which is not supported by RDO.

System Action: The utility does not process the command.

User Response: Correct the command

Destination: CSMT

Module: DFHCAP

XMEOUT Parameters: *date, time, applid, netname, tranid, command*

DFHCA5235 E *date time applid netname tranid* **Command not executed. Group or list must be specified.**

Explanation: A CSD utility EXTRACT command has been submitted. A GROUP or LIST name must be specified with an EXTRACT command.

System Action: The utility command is not executed. This message is followed by DFHCA5104.

User Response: Correct the invalid command by adding a valid GROUP or LIST name and rerun the utility job.

Destination: CSMT

Module: DFHCAP

XMEOUT Parameters: *date, time, applid, netname, tranid*

DFHCA5236 I *date time applid netname tranid* **A user-exit program has been specified on the entry linkage and on the userprogram keyword. The program specified on the entry linkage has been ignored.**

Explanation: An EXTRACT user-exit program has been specified via the entry parameter list and on the USERPROGRAM keyword of the EXTRACT command.

System Action: The program specified on the USERPROGRAM keyword is used.

User Response: Ensure that the user program used is the one intended.

Destination: CSMT

Module: DFHCAP

XMEOUT Parameters: *date, time, applid, netname, tranid*

DFHCA5240 S *date time applid netname tranid* **Processing terminated. Error occurred while input utility command was being read.**

Explanation: The environment adaptor GETCARD utility cannot read an input utility command.

System Action: The CSD utility terminates abnormally without processing the input commands.

User Response: Check that the utility commands are prepared correctly and located correctly in the JCL. Check also that the DD statement defining the output data set startup job stream is correct. For JCL examples, refer to the CICS Operations and Utilities Guide.

Destination: CSMT

Module: DFHCAP

XMEOUT Parameters: *date, time, applid, netname, tranid*

DFHCA5241 S *date time applid netname tranid* **Processing terminated. Invalid record length on utility command data stream.**

Explanation: The CSD utility detected incorrectly formatted input in the SYSIN data stream.

System Action: The CSD utility cannot process any commands. The utility attempts to:

1. Close any files previously opened internally.
2. Unload any extract exit routines that were dynamically loaded.
3. Invoke the termination exit routine (if supplied).
4. Return control to the invoker of the utility.

User Response: Ensure that the output data set data stream is formatted with fixed length 80-byte records.

Destination: CSMT

Module: DFHCAP

XMEOUT Parameters: *date, time, applid, netname, tranid*

DFHCA5242 E *date time applid netname tranid* **Command not processed. Too many continuation records for input utility command.**

Explanation: The CSD utility detected an input command that was too long and extended over too many records.

System Action: The utility does not process the command.

User Response: This message may be caused by an error in the rejected command or in the preceding or subsequent commands in the input stream. Correct the commands in error.

Destination: CSMT

Module: DFHCAP

XMEOUT Parameters: *date, time, applid, netname, tranid*

DFHCA5251 I *date time applid netname tranid resource object* **in group** *grpname* **is replaced.**

Explanation: A resource definition existed in both source and target groups. Based on the CSD utility commands submitted, the utility has replaced the definition in the target group with that from the source group.

- *resource* is the type of the resource
- *object* is the name of the object
- *grpname* is the name of the group.

System Action: Normal utility processing continues.

User Response: None.

Destination: CSMT

Module: DFHCAP

XMEOUT Parameters: *date, time, applid, netname, tranid, resource, object, grpname*

DFHCA5252 I *date time applid netname tranid resource object* **copied to group** *grpname*

Explanation: The CSD utility has correctly copied a resource definition to the specified group, where:

- *resource* is the type of resource
- *object* is the name of the object
- *grpname* is the name of the group.

System Action: Normal utility processing continues.

User Response: None.

Destination: CSMT

Module: DFHCAP

XMEOUT Parameters: *date, time, applid, netname, tranid, resource, object, grpname*

DFHCA5253 E *date time applid netname tranid* **Group** *grpname* **not found in CSD file - ddname:** *ddname*

Explanation: The CSD utility has detected a command that attempted to retrieve definitions from the non-existent group, *grpname*, in the CSD specified in DDNAME *ddname*.

System Action: The utility does not process the command.

User Response: Either correct the group name in the command, or make sure that the specified CSD file is the correct one.

Destination: CSMT

Module: DFHCAP

XMEOUT Parameters: *date, time, applid, netname, tranid, grpname, ddname*

DFHCA5254 E *date time applid netname tranid resource object* **already exists in the target group.**

Explanation: The CSD utility detected a command that attempted to add a definition to a group that already contained a definition of an object with the same name, where:

- *resource* is the type of resource
- *object* is the name of the object.

System Action: The CSD utility does not process the command.

User Response: Change the name in the command, or alter the name of the existing definition.

Destination: CSMT

Module: DFHCAP

XMEOUT Parameters: *date, time, applid, netname, tranid, resource, object*

DFHCA5255 E *date time applid netname tranid* **List** *xxxxxxxx* **not found in CSD file - ddname:** *ddname*

Explanation: The CSD utility detected an APPEND or REMOVE command that referred to a nonexistent list in the CSD file specified in DDNAME *ddname*.

System Action: The utility does not process the command.

User Response: Either correct the list name in the command, or make sure that the specified CSD file is the correct one.

Destination: CSMT

Module: DFHCAP

XMEOUT Parameters: *date, time, applid, netname, tranid, xxxxxxxx, ddname*

DFHCA5256 E *date time applid netname tranid* **No resources defined in group** *grpname*

Explanation: In executing a LIST command, the CSD utility has found a group header on the CSD file for which no group elements exist.

System Action: The CSD utility continues to process the LIST command, but will not list elements of the named group.

User Response: Run the DFHCSDUP VERIFY utility to verify the group.

Destination: CSMT

Module: DFHCAP

XMEOUT Parameters: *date, time, applid, netname, tranid, grpname*

DFHCA5257 E *date time applid netname tranid* **Length of 'TO' prefix must be less than or equal to length of 'GROUP' prefix.**

Explanation: During the execution of a generic COPY command, the batch update utility found the length of the prefix of the generic group specified in the TO keyword to be greater than the length of the prefix of the generic GROUP keyword.

System Action: The utility ignores the command to prevent truncation of the TO group name.

User Response: Correct the command.

Destination: CSMT

Module: DFHCAP

XMEOUT Parameters: *date, time, applid, netname, tranid*

DFHCA5258 I *date time applid netname tranid* **Copying group** *grpname1* **to** *grpname2*

Explanation: During the execution of a generic COPY command, the CSD batch update utility scans the CSD file for matches to the generic GROUP keyword. For every match, the utility resolves the generic TO keyword, and informs the user of the resulting *grpname1* and *grpname2* respectively.

System Action: Normal processing continues.

User Response: None.

Destination: CSMT

Module: DFHCAP

XMEOUT Parameters: *date, time, applid, netname, tranid, grpname1, grpname2*

DFHCA5259 I *date time applid netname tranid* **Unrecognized resource type found in the CSD file and has been ignored.**

Explanation: CICS has found an unrecognized resource type code in a CSD record. The unrecognized code does not match any of the function codes in the language definition table. This can occur for one of the following reasons:

1. You are using a CICS release that does not support a type of definition that was created on the CSD file by a later CICS release.
2. The language definition table (DFHEITSP or DFHEITCU) is invalid for this CICS release.
3. The CSD manager (DFHDMP) has passed an invalid CSD record buffer to DFHPUP. This is a CICS internal logic error.

System Action: The resource is ignored and the operation continues.

User Response: Determine which of the possible reasons caused the error. If you can eliminate reasons 1 and 2, you can assume that reason 3 applies.

Take action corresponding to the reason you have established as follows:

1. Ignore the message.
2. Ensure that the library contains versions of DFHEITSP and DFHEITCU that are valid for the CICS release you are running.
3. You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CSMT

Module: DFHCAP

XMEOUT Parameters: *date, time, applid, netname, tranid*

DFHCA5261 W *date time applid netname tranid* **RDT is empty. No VTAM resources in assembled table.**

Explanation: The CSD utility detected an attempt to migrate a TCT that either contains no RDO-supported terminal or sessions definitions, or whose TYPE=INITIAL entry specifies MIGRATE=COMPLETE.

System Action: The utility does not create any CSD definitions.

User Response: Check the TCT source code to see if it contains any RDO-supported definitions. If it does, ensure that it has been correctly assembled (MIGRATE=YES specified) and link-edited.

Destination: CSMT

Module: DFHCAP

XMEOUT Parameters: *date, time, applid, netname, tranid*

DFHCA5262 S *date time applid netname tranid* **Insufficient storage to build types-matching chain.**

Explanation: During CSD utility processing, an internal error has occurred in the migration of a TCT. This is because of lack of storage for TYPETERM definitions.

System Action: The utility attempts to:

1. Close any files previously opened internally.
2. Unload any extract exit routines that were dynamically loaded.
3. Invoke the termination exit routine (if supplied).
4. Return control to the invoker of the utility.

In any of the above cases, definitions that have already been migrated remain on the CSD.

User Response:

1. Run the DFHCSDUP VERIFY utility.
2. Delete the groups created by the failing MIGRATE command.
3. Allocate a larger region size in the utility JCL, and retry the command.

Destination: CSMT

Module: DFHCAP

XMEOUT Parameters: *date, time, applid, netname, tranid*

DFHCA5263 S *date time applid netname tranid* **Error in input RDT. Incorrect sequence of commands.**

Explanation: During CSD utility processing, an internal error has occurred in the migration of a TCT. This is because of abnormal data in the assembled table.

System Action: The utility attempts to:

1. Close any files previously opened internally.
2. Unload any extract exit routines that were dynamically loaded.
3. Invoke the termination exit routine (if supplied).
4. Return control to the invoker of the utility.

Definitions that have already been migrated remain on the CSD. The MVS user abend code is 0308.

User Response:

1. Run the DFHCSDUP VERIFY utility.
2. Delete the groups created by the failing MIGRATE command.
3. Keep the assembly listing for the failing table and keep the DFHCSDUP dump, if available.
4. You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CSMT

Module: DFHCAP

XMEOUT Parameters: *date, time, applid, netname, tranid*

DFHCA5264 W *date time applid netname tranid* **Resource** *object* **not defined. Group** *grpname* **not available.**

Explanation: During the migration of a TCT, the CSD utility could not define a resource *object* because the target group *grpname* was not available. The utility has issued a previous message indicating the reason.

System Action: The utility creates no definition for resource *object*. Normal utility processing continues.

User Response: Review the original message. If necessary, recode the TYPE=GROUP macro in the TCT source to name a suitable group.

Destination: CSMT

Module: DFHCAP

XMEOUT Parameters: *date, time, applid, netname, tranid, object, grpname*

DFHCA5265 W *date time applid netname tranid* **Action required to find a suitable typeterm for terminal** *termid***.**

Explanation: While migrating a TCT, the CSD utility found a terminal definition for which it could not create a corresponding TYPETERM definition.

System Action: The utility adds the terminal definition to the CSD file, but it refers to a TYPETERM that may be unsuitable for this device.

User Response: Use the CEDA transaction to define a suitable TYPETERM and alter the TERMINAL definition to refer to the new TYPETERM.

Destination: CSMT

Module: DFHCAP

XMEOUT Parameters: *date, time, applid, netname, tranid, termid*

DFHCA5266 W *date time applid netname tranid* **Sessions** *sessions* **not defined, because of error in associated connection.**

Explanation: An error has been detected during the migration of a TCT. When migrating a session, DFHCSDUP checks that the associated CONNECTION has been defined successfully. If it has not, DFHCSDUP abnormally terminates the session definition.

System Action: The specified SESSIONS resource is not migrated to the CSD. DFHCSDUP continues with the migration of subsequent TCT entries.

User Response: Use the diagnostic information in the output listing from the MIGRATE utility to determine why the CONNECTION definition has failed. You can then use RDO to DEFINE the CONNECTION and the SESSIONS to the CSD.

Destination: CSMT

Module: DFHCAP

XMEOUT Parameters: *date, time, applid, netname, tranid, sessions*

DFHCA5267 E *date time applid netname tranid resource* **Not migrated. Group** *grpname* **is locked to applid:** *applid* **opid:** *opid* **and cannot be updated at present.**

Explanation: It is not possible to put the resource *resource* into group *groupname*, because the group is currently locked to APPLID *applid* and OPID *opid*. The group will be unlocked again when the other user's operation is complete.

System Action: The utility does not create definitions for the resources named in the DFHCA5274 messages which follow. Normal utility processing continues with the utility return code set to 8.

User Response: Resubmit the job later, or choose a different name for the target group. If the group remains locked, consult with the user identified by APPLID and OPID. If the lock remains set for no apparent reason, issue the VERIFY command and resubmit.

Destination: CSMT

Module: DFHCAP

XMEOUT Parameters: *date, time, applid, netname, tranid, resource, grpname, applid, opid*

DFHCA5268 E *date time applid netname tranid resource* **not migrated.** *grpname* **already exists as a list.**

Explanation: The name chosen for the target GROUP duplicates that of an existing LIST on the CSD.

System Action: The utility does not create definitions for the resources named in the DFHCA5274 messages which follow. Normal utility processing continues with the utility return code set to 8.

User Response: Choose a different name for the target group and change the appropriate TYPE=GROUP macro in the FCT source.

Destination: CSMT

Module: DFHCAP

XMEOUT Parameters: *date, time, applid, netname, tranid, resource, grpname*

DFHCA5269 E *date time applid netname tranid resource* **not migrated. Group** *grpname* **is IBM-protected.**

Explanation: An attempt was made to add a definition to an IBM supplied group (groups beginning with "DFH").

System Action: The utility creates no definition for the resources named in the DFHCA5274 messages which follow. Normal utility processing continues with the utility return code set to 8.

User Response: Change the input source to name a different target group whose name does not begin with "DFH".

Destination: CSMT

Module: DFHCAP

XMEOUT Parameters: *date, time, applid, netname, tranid, resource, grpname*

DFHCA5270 I *date time applid netname tranid group-or-list xxxxxxxx* **deleted from the CSD .**

Explanation: The CSD utility has successfully deleted a group or list from the primary CSD file.

System Action: Normal utility processing continues.

User Response: None.

Destination: CSMT

Module: DFHCAP

XMEOUT Parameters: *date, time, applid, netname, tranid, group-or-list, xxxxxxxx*

DFHCA5271 S *date time applid netname tranid* **Unable to delete** *group-or-list xxxxxxxx* **from the CSD .**

Explanation: During CSD utility processing, an error in accessing the CSD file caused a delete operation to fail.

System Action: The utility does not process the DELETE command. The group or list to be deleted remains on the CSD file.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CSMT

Module: DFHCAP

XMEOUT Parameters: *date, time, applid, netname, tranid, group-or-list, xxxxxxxx*

DFHCA5272 I *date time applid netname tranid resource object* **deleted from group** *grpname*

Explanation: The CSD utility successfully deleted the named resource, where:

- *resource* is the type of resource
- *object* is the name of the object.

System Action: Normal utility processing continues.

User Response: None.

Destination: CSMT

Module: DFHCAP

XMEOUT Parameters: *date, time, applid, netname, tranid, resource, object, grpname*

DFHCA5273 W *date time applid netname tranid resource object* **is not in group** *grpname*

Explanation: The CSD utility detected an attempt to delete a resource which did not exist in the named group, where:

- *resource* is the type of resource
- *object* is the name of the object
- *grpname* is the name of the group.

System Action: The utility does not process the DELETE command.

User Response: Check that you have coded the group and resource names correctly.

Destination: CSMT

Module: DFHCAP

XMEOUT Parameters: *date, time, applid, netname, tranid, resource, object, grpname*

DFHCA5274 W *date time applid netname tranid resource object* **not defined. Group** *grpname* **not available.**

Explanation: During the migration of an FCT or RCT, the CSD utility could not define the resource *resource* because the target group *groupname* was not available. The utility has already issued a message indicating the reason.

System Action: The utility creates no definition for the resource named *object*. Normal utility processing continues.

User Response: Review the original message. If necessary, recode the TYPE=GROUP macro in the FCT or RCT source to name a suitable group.

Destination: CSMT

Module: DFHCAP

XMEOUT Parameters: *date, time, applid, netname, tranid, resource, object, grpname*

DFHCA5275 E *date time applid netname tranid* **Group** *grpname* **is not a member of list** *listname*

Explanation: The REMOVE command being executed names a GROUP that is not a member of LIST *listname*.

System Action: The command is not executed.

If commands are being read from a SYSIN data stream, subsequent commands (except LIST commands) are checked for syntax only. (If the primary CSD file cannot be opened, the LIST command is not processed either.)

If commands are being read from a get-command exit, DFHCSDUP attempts to process subsequent commands.

User Response: Correct the command and resubmit a DFHCSDUP job to execute the failing command and any subsequent commands that were suppressed.

Destination: CSMT

Module: DFHCAP

XMEOUT Parameters: *date, time, applid, netname, tranid, grpname, listname*

DFHCA5276 I *date time applid netname tranid* **Group** *grpname* **removed from list** *listname*

Explanation: The REMOVE command has successfully removed group *grpname* from LIST *listname*.

System Action: Normal execution continues.

User Response: None.

Destination: CSMT

Module: DFHCAP

XMEOUT Parameters: *date, time, applid, netname, tranid, grpname, listname*

DFHCA5277 I *date time applid netname tranid* **List** *list* **deleted from CSD .**

Explanation: The final group has been removed from list *listname*. The list has therefore been deleted.

System Action: Processing continues.

User Response: None.

Destination: CSMT

Module: DFHCAP

XMEOUT Parameters: *date, time, applid, netname, tranid, list*

DFHCA5280 I *date time applid netname tranid* **Processing definitions from library member** *xxxxxxxx*

Explanation: The CSD utility has successfully loaded data from the named library member.

System Action: Normal utility processing continues.

User Response: None.

Destination: CSMT

Module: DFHCAP

XMEOUT Parameters: *date, time, applid, netname, tranid, xxxxxxxx*

DFHCA5281 S *date time applid netname tranid* **Data loaded from library member** *xxxxxxxx* **is invalid**

Explanation: The CSD utility has found an error in data loaded from the named library member.

System Action: The utility attempts to:

1. Close any files previously opened internally.
2. Unload any extract exit routines that were dynamically loaded.
3. Invoke the termination exit routine (if supplied).
4. Return control to the invoker of the utility.

User Response: Obtain a dump containing the failing library member.

You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CSMT

Module: DFHCAP

XMEOUT Parameters: *date, time, applid, netname, tranid, xxxxxxxx*

DFHCA5282 E *date time applid netname tranid* **Unable to get storage for library member** *xxxxxxxx*

Explanation: There is insufficient storage available to load the library member *xxxxxxxx*.

System Action: The utility terminates processing of the command that required access to the named library member.

User Response: Allocate a larger region size in the utility JCL and resubmit the job.

Destination: CSMT

Module: DFHCAP

XMEOUT Parameters: *date, time, applid, netname, tranid, xxxxxxxx*

DFHCA5283 S *date time applid netname tranid* **RDL subcommand exceeds 1024 bytes:** *xxxxxxxxxxxx****....***

Explanation: The CSD utility found an internal error in the data loaded while processing the indicated (truncated) UPGRADE, INITIALIZE, or MIGRATE command.

System Action: The CSD utility terminates abnormally.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CSMT

Module: DFHCAP

XMEOUT Parameters: *date, time, applid, netname, tranid, xxxx, xxxx, xxxx*

DFHCA5284 E *date time applid netname tranid* **Error analyzing RDL subcommand:** *xxxxxxxxxxxx****....***

Explanation: The CSD utility found an internal error in the data loaded while processing the indicated (truncated) UPGRADE, INITIALIZE, or MIGRATE command.

System Action: The utility attempts to:

1. Close any files previously opened internally.
2. Unload any extract exit routines that were dynamically loaded.
3. Invoke the termination exit routine (if supplied).
4. Return control to the invoker of the utility.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CSMT

Module: DFHCAP

XMEOUT Parameters: *date, time, applid, netname, tranid, xxxx, xxxx, xxxx*

DFHCA5285 E *date time applid netname tranid* **Invalid verb in RDL subcommand:** *xxxxxxxxxxxx****....***

Explanation: The CSD utility found an internal error in the data loaded while processing the indicated (truncated) UPGRADE, INITIALIZE, or MIGRATE command.

System Action: The utility attempts to:

1. Close any files previously opened internally.
2. Unload any extract exit routines that were dynamically loaded.
3. Invoke the termination exit routine (if supplied).
4. Return control to the invoker of the utility.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CSMT

Module: DFHCAP

XMEOUT Parameters: *date, time, applid, netname, tranid, xxxx, xxxx, xxxx*

DFHCA5286 E *date time applid netname tranid* **Unable to create resource definition on CSD file:** *xxxxxxxxxxxx****....***

Explanation: This message is issued during the processing of the indicated (truncated) command for one of the following reasons:

1. The CSD is full (in which case, messages DFHCA5175 and DFHCA5176 accompanies this one)
2. The CSD was defined as read-only (in which case, message DFHCA5174 accompanies this message)
3. The TCT being migrated contained a terminal entry with a name unacceptable to RDO (in which case, message DFHCA5165 accompanies this message)
4. A list or group cannot be used due to the failure of a previous update operation (in which case, message DFHCA5142 accompanies this message)
5. The resource definition list being used to INITIALIZE or UPGRADE the CSD file contained a definition with an invalid resource name or group name

6. A logic error occurred in DFHCSDUP or an internal error was detected in the data contained in the loaded table.

System Action: The system action depends on the reason the message is issued, as follows.

1. Migration of the TCT table is terminated immediately.
2. Processing of the UPGRADE or INITIALIZE command is terminated
3. The utility attempts to:
   a. Close any files previously opened internally.
   b. Unload any extract exit routines that were dynamically loaded.
   c. Invoke the termination exit routine (if supplied).
   d. Return control to the invoker of the utility.
4. The command is not executed, and execution of further DFHCSDUP commands in the job stream is suppressed.
5. As in (3) above.
6. As in (3) above.

In ALL cases, all the definitions created by this command up to the point of failure remain on the CSD.

User Response: The user response depends on the reason the message is issued, as follows.

1. See message DFHCA5175 and DFHCA5176.
2. See message DFHCA5174.
3. Change the name of the terminal and all references to it. Also refer to the user response for message DFHCA5165.
4. See message DFHCA5142.
5. This is a CICS logic error. See instruction for 6 below.
6. This is a CICS logic error. You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed. A CICS background trace of the failure may aid them in problem diagnosis.

Destination: CSMT

Module: DFHCAP

XMEOUT Parameters: *date, time, applid, netname, tranid, xxxx, xxxx, xxxx*

DFHCA5287 E *date time applid netname tranid* **Extract terminated at user's request. RC=***retcode*

Explanation: A batch job has issued a CSD utility EXTRACT command. The EXTRACT command has been terminated because of a nonzero value in register 15 on return from a user exit program. Subsequent messages indicate any further problems encountered by the utility.

System Action: Execution of the utility command is terminated. This message is followed by DFHCA5104.

User Response: Determine the cause of the error detected by the user exit program, using the return code *retcode* provided and the relevant documentation of the user exit program.

Destination: CSMT

Module: DFHCAP

XMEOUT Parameters: *date, time, applid, netname, tranid, retcode*

DFHCA5290 W Table *tabtype* **macro** *mactype***=***value* **is not supported. Value is changed to** *newvalue***.**

Explanation: During a table *tabtype* migration for macro *mactype*, *value* is not supported. *value* has been migrated as *newvalue*.

System Action: The utility creates the definition for the resource with the changed value. Normal utility processing continues.

User Response: Review the object definition to ensure that the modified definition is acceptable.

Destination: SYSPRINT

Module: DFHCSDUP

DFHCA5291 E Unable to define object *object* **in group** *group***. Migration is terminated.**

Explanation: The DFHCSDUP migration utility could not define *object* in the *group* specified. The migration cannot continue.

System Action: The utility terminates the migration of the table.

User Response: Verify that the specified group is the correct group and review prior errors to determine why the migration utility could not create the definition in the group.

Destination: SYSPRINT

Module: DFHCSDUP

DFHCA5292 W Object *object* **not defined for table item** *name* **due to previous error. Migration continues.**

Explanation: The DFHCSDUP migration utility could not define *object* for the table item *name*. The migration continues.

During the migration of an RCT, the migration utility issues this message for all DB2TRAN definitions that refer to a DB2ENTRY definition that failed.

System Action: The utility continues the table migration without defining the object.

User Response: Correct the prior errors and manually define the skipped objects.

Destination: SYSPRINT

Module: DFHCSDUP

DFHCA5293 W Total *object* **definitions skipped due to error:** *number*

Explanation: CICS issues this message after migrating a CICS table. *number* definitions of type *object* were not migrated. See one or more DFHCA5292 messages issued prior to this message.

System Action: Utility processing continues.

User Response: Correct the prior errors and manually define the skipped objects.

Destination: SYSPRINT

Module: DFHCSDUP

DFHCA5294 E *number object-1* **were not matched with a corresponding** *object-2***.**

Explanation: CICS issues this message if there are *object-1* table definitions that have not been defined because the table was not defined correctly. *object-1* table definitions must refer to a *object-2* in the table.

System Action: The migration of the table ends.

User Response: Reassemble the table with the current release macro source.

Destination: SYSPRINT

Module: DFHCSDUP

DFHCA5296 W Table *tabtype* **TYPE=***mactype parameter* **does not support multiple values.**

Explanation: Multiple values were specified for TYPE=*mactype parameter* The migration of the *tabtype* table supports only one value.

System Action: The migration utility ignores the additional values. The migration continues.

User Response: Review the migrated definition to ensure that the new single value is acceptable.

Destination: SYSPRINT

Module: DFHCSDUP

DFHCA5501 E *date time applid netname tranid* **Command not executed.** *keyword* **must be specified.**

Explanation: A keyword *keyword*, which is required in the command, has been omitted or was incorrectly specified. An earlier message identifies if the latter case is applicable.

System Action: The utility ignores the command.

User Response: Correct the command.

Destination: CSMT

Module: DFHCAP

XMEOUT Parameters: *date, time, applid, netname, tranid, keyword*

DFHCA5502 W *date time applid netname tranid xxxxxxx* **implies** *yyyyyyy***.**

Explanation: The value *xxxxxxxx* specified in a DEFINE or CREATE command has caused another value *yyyyyyyy*, which is not a normal default, to be assumed.

System Action: Normal utility processing continues.

User Response: Check that the resulting resource definition is acceptable. If you accept this default, no further action is required.

If the resultant default is not acceptable, you must decide whether to modify the definition, or to delete it and start again.

Destination: CSMT

Module: DFHCAP

XMEOUT Parameters: *date, time, applid, netname, tranid, xxxxxxx, yyyyyyy*

DFHCA5503 E *date time applid netname tranid* **Command not executed.** *xxxxxxx* **option conflicts with** *yyyyyyy* **option and is ignored.**

Explanation: Two options, *xxxxxxx* and *yyyyyyy*, that are mutually exclusive have been specified.

System Action: The utility ignores the command.

User Response: Correct the command.

Destination: CSMT

Module: DFHCAP

XMEOUT Parameters: *date, time, applid, netname, tranid, xxxxxxx, yyyyyyy*

DFHCA5504 E *date time applid netname tranid* **Command not executed. Use of** *xxxxxxx* **option implies** *yyyyyyy* **option must be specified.**

Explanation: Option *xxxxxxx* requires another value, *yyyyyyy*.

System Action: The utility ignores the command.

User Response: Specify *yyyyyyy*.

Destination: CSMT

Module: DFHCAP

XMEOUT Parameters: *date, time, applid, netname, tranid, xxxxxxx, yyyyyyy*

DFHCA5505 W *date time applid netname tranid* **Program DFHMSP requires a TWASIZE of at least 528.**

Explanation: A DEFINE or CREATE TRANSACTION command for the message switching program, DFHMSP, has given it a TWASIZE of less than 528 bytes. If it is to be a definition for the CICS-supplied program of that name, it will not execute correctly.

System Action: Normal utility processing continues.

User Response: Check that the resulting resource definition is as you expect.

Destination: CSMT

Module: DFHCAP

XMEOUT Parameters: *date, time, applid, netname, tranid*

DFHCA5506 E *date time applid netname tranid* **Command not executed. For** *xxxxxxx* **many options, including** *yyyyyyy***, are meaningless.**

Explanation: A keyword or value has been specified that is not consistent with another.

System Action: The utility ignores the command.

User Response: Correct the command.

Destination: CSMT

Module: DFHCAP

XMEOUT Parameters: *date, time, applid, netname, tranid, xxxxxxx, yyyyyyy*

DFHCA5507 E *date time applid netname tranid* **Command not executed.** *xxxxxxx* **value must be greater than** *yyyyyyy* **value.**

Explanation: A value has been specified that is not consistent with another. *xxxxxxx* must be greater than *yyyyyyy*.

System Action: The utility ignores the command.

User Response: Correct the command.

Destination: CSMT

Module: DFHCAP

XMEOUT Parameters: *date, time, applid, netname, tranid, xxxxxxx, yyyyyyy*

DFHCA5508 E *date time applid netname tranid* **Command not executed.** *xxxxxxx* **value must be less than or equal to** *yyyyyyy* **value.**

Explanation: A value has been specified that is not consistent with another. The value *xxxxxxx* must be less than or equal to *yyyyyyy*.

System Action: The utility ignores the command.

User Response: Correct the command.

Destination: CSMT

Module: DFHCAP

XMEOUT Parameters: *date, time, applid, netname, tranid, xxxxxxx, yyyyyyy*

DFHCA5509 E *date time applid netname tranid* **Command not executed.** *xxxxxxx* **name must not be the same as** *yyyyyyy* **name.**

Explanation: Some values in DEFINE or CREATE commands must not be the same as the name of the resource. *xxxxxxx* must not have the same name as *yyyyyyy*.

System Action: The utility ignores the command.

User Response: Correct the command.

Destination: CSMT

Module: DFHCAP

XMEOUT Parameters: *date, time, applid, netname, tranid, xxxxxxx, yyyyyyy*

DFHCA5510 W *date time applid netname tranid xxxxxxx* **names beginning with** *yyyyyyy* **are reserved and may be redefined by CICS.**

Explanation: CICS supplies standard programs and transactions whose names you should usually avoid.

System Action: Normal utility processing continues.

User Response: Check that the resulting resource definition is as you expect.

Destination: CSMT

Module: DFHCAP

XMEOUT Parameters: *date, time, applid, netname, tranid, xxxxxxx, yyyyyyy*

DFHCA5511 W *date time applid netname tranid xxxxxxx* **name** *yyyyyyy* **is reserved and may be redefined by CICS.**

Explanation: CICS supplies standard programs and transactions whose names you should usually avoid.

System Action: Normal utility processing continues.

User Response: Check that the resulting resource definition is as you expect.

Destination: CSMT

Module: DFHCAP

XMEOUT Parameters: *date, time, applid, netname, tranid, xxxxxxx, yyyyyyy*

DFHCA5512 W *date time applid netname tranid* **Program name begins with 'DFH' but transaction name does not begin with 'C'.**

Explanation: CICS supplies standard programs and transactions whose naming conventions you should avoid.

System Action: Normal utility processing continues.

User Response: Check that the resulting resource definition is as you expect.

Destination: CSMT

Module: DFHCAP

XMEOUT Parameters: *date, time, applid, netname, tranid*

DFHCA5513 E *date time applid netname tranid* **Command not executed. The second value of** *xxxxxxx* **must not be greater than the first.**

Explanation: Some keywords take pairs of values which are essentially maximum and minimum values.

System Action: The utility ignores the command.

User Response: Correct the command.

Destination: CSMT

Module: DFHCAP

XMEOUT Parameters: *date, time, applid, netname, tranid, xxxxxxx*

DFHCA5514 E *date time applid netname tranid* **Command not executed. With SESSNAME there can only be one COUNT and its value must be 1.**

Explanation: The use of SESSNAME in a DEFINE or CREATE SESSIONS command means that a single-session, either for sending or receiving, is required.

System Action: The utility ignores the command.

User Response: Correct the command.

Destination: CSMT

Module: DFHCAP

XMEOUT Parameters: *date, time, applid, netname, tranid*

DFHCA5515 W *date time applid netname tranid* **AUTOPAGE(NO) has been specified for a 3270 print device.**

Explanation: A DEFINE or CREATE TYPETERM command has AUTOPAGE(NO) and DEVICE(3270P) or DEVICE(LUTYPE3).

System Action: Normal utility processing continues.

User Response: Check that the resulting resource definition is as you expect.

Destination: CSMT

Module: DFHCAP

XMEOUT Parameters: *date, time, applid, netname, tranid*

DFHCA5516 W *date time applid netname tranid* **The values of DEVICE and SESSIONTYPE are equivalent to DEVICE(***devtype***) and have been replaced.**

Explanation: A DEFINE or CREATE TYPETERM command has a valid but obsolete DEVICE and SESSIONTYPE combination.

This DEVICE and SESSIONTYPE combination has been replaced by a simpler equivalent indicated by *devtype*.

System Action: Normal utility processing continues.

User Response: Check that the resulting resource definition is as you expect. The CICS Resource Definition Guide provides further information about device equivalents.

Destination: CSMT

Module: DFHCAP

XMEOUT Parameters: *date, time, applid, netname, tranid, devtype*

DFHCA5517 E *date time applid netname tranid* **Command not executed.** *prefix* **and COUNT together make more than four characters.**

Explanation: In a SESSIONS definition, the *prefix* parameter (SENDPFX or RECEIVEPFX) is used to generate session names by adding numeric suffixes up to the corresponding count value (SENDCOUNT or RECEIVECOUNT). Since the session names cannot be longer than four characters, when the count of sessions exceeds 99 the prefix can only be one character.

System Action: The command is not executed.

User Response: Correct the command.

Destination: CSMT

Module: DFHCAP

XMEOUT Parameters: *date, time, applid, netname, tranid, prefix*

DFHCA5518 W *date time applid netname tranid* **XTRANIDS** *xxxxxxx* **are reserved and may be redefined by CICS.**

Explanation: CICS supplies programs and transactions whose names you should usually avoid.

System Action: Normal utility processing continues.

User Response: Check that the resulting resource definition is as you expect.

Destination: CSMT

Module: DFHCAP

XMEOUT Parameters: *date, time, applid, netname, tranid, xxxxxxx*

DFHCA5519 E *date time applid netname tranid* **Command not executed.** *xxxxxxx* **value contains an invalid** ***y*****.**

Explanation: All character values in CREATE and DFHCSDUP commands are subject to rules which, depending on the value, disallow certain characters.

System Action: The utility ignores the command.

User Response: Correct the command.

The CICS Resource Definition Guide provides further information about these rules under the individual attributes for the syntax of the DFHCSDUP command.

Destination: CSMT

Module: DFHCAP

XMEOUT Parameters: *date, time, applid, netname, tranid, xxxxxxx, y*

DFHCA5520 W *date time applid netname tranid* **The value of DEVICE is equivalent to** *xxxxxxx* **and has been replaced.**

Explanation: A DEFINE or CREATE TYPETERM command has a valid but obsolete DEVICE value which has been replaced by a simpler equivalent.

System Action: Normal utility processing continues.

User Response: Check that the resulting resource definition is as you expect.

The CICS Resource Definition Guide provides further information about these simpler equivalent devices.

Destination: CSMT

Module: DFHCAP

XMEOUT Parameters: *date, time, applid, netname, tranid, xxxxxxx*

DFHCA5521 E *date time applid netname tranid* **Command not executed.** *xxxxxxx* **value** *yyyyyyy* **is invalid.**

Explanation: A value *yyyyyyyy* has been specified for keyword *xxxxxxxx* which is not valid. It may for instance be non-numeric.

System Action: The utility ignores the command.

User Response: Correct the command.

Destination: CSMT

Module: DFHCAP

XMEOUT Parameters: *date, time, applid, netname, tranid, xxxxxxx, yyyyyyy*

DFHCA5522 E *date time applid netname tranid* **Command not executed. Length of** *xxxxxxx* **value is more than allowed.**

Explanation: A character value in a DEFINE or CREATE command is too long.

System Action: The utility ignores the command.

User Response: Correct the command.

Destination: CSMT

Module: DFHCAP

XMEOUT Parameters: *date, time, applid, netname, tranid, xxxxxxx*

DFHCA5523 E *date time applid netname tranid* **Command not executed. File DFHCSD must be defined in the SIT and not the CSD.**

Explanation: DFHCSD has been defined in the CSD rather than in the SIT. This is not allowed.

System Action: The utility ignores the command.

User Response: Correct the command. Define DFHCSD in the SIT.

Destination: CSMT

Module: DFHCAP

XMEOUT Parameters: *date, time, applid, netname, tranid*

DFHCA5524 W *date time applid netname tranid* **BMS route for console may cause unpredictable results if maps or TEXT(ACCUM) used on device.**

Explanation: The routing of multiline maps or accumulated text to the console is not supported.

System Action: Normal processing continues.

User Response: Ensure that the unsupported console operations are disabled.

Destination: CSMT

Module: DFHCAP

XMEOUT Parameters: *date, time, applid, netname, tranid*

DFHCA5525 W *date time applid netname tranid xxxxxxxx* **value is not valid,** *yyyyyyyy* **has been assumed.**

Explanation: The value *xxxxxxxx* is not valid. The value *yyyyyyyy* has been assumed.

System Action: The utility ignores the command.

User Response: Correct the command.

Destination: CSMT

Module: DFHCAP

XMEOUT Parameters: *date, time, applid, netname, tranid, xxxxxxxx, yyyyyyyy*

DFHCA5526 E *date time applid netname tranid xxxxxxxx* **must have rows and columns specified.**

Explanation: *xxxxxxxx* must have rows and columns specified.

System Action: The utility ignores the command.

User Response: Correct the command.

Destination: CSMT

Module: DFHCAP

XMEOUT Parameters: *date, time, applid, netname, tranid, xxxxxxxx*

DFHCA5527 E *date time applid netname tranid* **Command not executed. Remote options are ignored for programs starting with DFH.**

Explanation: CICS supplies standard programs which are not allowed to have remote attributes.

System Action: The command is ignored.

User Response: Correct the command by deleting the remote attributes from the program definition.

Destination: CSMT

Module: DFHCAP

XMEOUT Parameters: *date, time, applid, netname, tranid*

DFHCA5528 E *date time applid netname tranid* **Command not executed. Value of** *keyword* **is out of valid range.**

Explanation: An invalid value has been supplied for the specified keyword.

System Action: The utility ignores the command.

User Response: Supply a valid keyword value and retry.

Destination: CSMT

Module: DFHCAP

XMEOUT Parameters: *date, time, applid, netname, tranid, keyword*

DFHCA5529 E *date time applid netname tranid keyword* **or** *keyword* **must be specified.**

Explanation: Neither of the indicated keywords has been specified. When defining a resource, you must specify one of these keywords.

System Action: The utility ignores the command.

User Response: Supply one of the indicated keywords and retry.

Destination: CSMT

Module: DFHCAP

XMEOUT Parameters: *date, time, applid, netname, tranid, keyword, keyword*

DFHCA5530 W *date time applid netname tranid* **XTRANIDS ending with** *string* **are reserved and may be redefined by CICS.**

Explanation: CICS supplies programs and transactions whose names you should usually avoid in resource definitions.

System Action: Normal utility processing continues.

User Response: Check that the resulting resource definition is as you expect.

Destination: CSMT

Module: DFHCAP

XMEOUT Parameters: *date, time, applid, netname, tranid, string*

DFHCA5531 W *date time applid netname tranid* **XTRANIDS beginning with** *string* **are reserved and may be redefined by CICS.**

Explanation: CICS supplies programs and transactions whose names you should usually avoid in resource definitions.

System Action: Normal utility processing continues.

User Response: Check that the resulting resource definition is as you expect.

Destination: CSMT

Module: DFHCAP

XMEOUT Parameters: *date, time, applid, netname, tranid, string*

DFHCA5532 E *date time applid netname tranid* **Command not executed. An invalid combination of rows and columns has been specified for** *ALTSCREEN***.**

Explanation: One of the specified values is zero and the other is nonzero. This is an invalid combination.

System Action: The utility ignores the command.

User Response: Ensure that a valid combination of ALTSCREEN rows and columns is specified. See the CICS Resource Definition Guide for details of valid combinations.

Destination: CSMT

Module: DFHCAP

XMEOUT Parameters: *date, time, applid, netname, tranid, ALTSCREEN*

DFHCA5533 W *date time applid netname tranid* **Specified** *keyword1* **value is less than** *keyword2* **value. The default value has been assumed.**

Explanation: A value has been specified for *keyword1* that is incompatible with the value for *keyword2*.

System Action: The utility assumes the default value for *keyword1* and processes the command.

User Response: Ensure that the resulting resource definition is acceptable.

Destination: CSMT

Module: DFHCAP

XMEOUT Parameters: *date, time, applid, netname, tranid, keyword1, keyword2*

DFHCA5534 W *date time applid netname tranid* **When you change the value of DEVICE many other values may be changed for you.**

Explanation: When ALTERing the DEVICE in a TYPETERM resource definition, the batch update utility changes forced values that are incompatible with the new DEVICE. However, dependent default values are not changed, and may now be incompatible.

System Action: Normal utility processing continues.

User Response: Check that the resulting resource definition is as you expect. See the *CICS Resource Definition Guide* for more guidance.

Destination: CSMT

Module: DFHCAP

XMEOUT Parameters: *date, time, applid, netname, tranid*

DFHCA5535 E *date time applid netname tranid* **Command not executed.** *restype* **name** *resname* **is reserved by CICS.**

Explanation: The user specified a resource name *resname* for resource type *restype* which is reserved for use by CICS.

System Action: The utility ignores the command.

User Response: Specify a different resource name.

Destination: CSMT

Module: DFHCAP

XMEOUT Parameters: *date, time, applid, netname, tranid, restype, resname*

DFHCA5536 W *date time applid netname tranid keyword1* **and** *keyword2* **attributes are inconsistent if definition is being shared with a back-level release.**

Explanation: *keyword1* has been preceded by *keyword2*. However, *keyword1* has been kept for compatibility reasons. After updating or creating the resource, the value specified for *keyword1* has become inconsistent with the value specified for *keyword2*.

System Action: The resource is created or updated.

User Response: If sharing the resource with a back level release, ensure that the resulting resource definition is acceptable. Otherwise, ignore the message.

Destination: CSMT

Module: DFHCAP

XMEOUT Parameters: *date, time, applid, netname, tranid, keyword1, keyword2*

DFHCA5537 W *date time applid netname tranid* **Prefix allowed to default. Use of defaults is recommended for MRO sessions only.**

Explanation: A null value has been accepted for a send or receive prefix for an LU6.1 or MRO session. The default value '>' is supplied by CICS for send sessions and '<' for receive sessions. These values are the default prefixes for MRO session names. The use of these prefixes is allowed for LU6.1 sessions, but is not recommended if MRO session names with the same prefixes are in use, because duplicate names may occur if large numbers of sessions are defined.

System Action: CICS generates session names using these prefixes.

User Response: If this is an LU6.1 session, it is recommended that a different prefix should be chosen.

Destination: CSMT

Module: DFHCAP

XMEOUT Parameters: *date, time, applid, netname, tranid*

DFHCA5538 W *date time applid netname tranid resource* **names starting with** *x* **may conflict with system sessions names.**

Explanation: The resource *resource* has been given a name starting with the character *x*, which might be used for system-generated SESSIONS names.

System Action: The definition is created or updated.

User Response: Ensure there is no conflict with the name given to the resource and SESSIONS names.

Destination: CSMT

Module: DFHCAP

XMEOUT Parameters: *date, time, applid, netname, tranid, resource, x*

DFHCA5539 S *date time applid netname tranid keyword* **is not valid because it starts with the reserved character or string** *string***.**

Explanation: The name you have given to keyword *keyword* is not valid because the name begins with a reserved character or string such as “C” or “DFH”.

System Action: The definition is not created.

User Response: Change the name of the keyword.

Destination: CSMT

Module: DFHCAP

XMEOUT Parameters: *date, time, applid, netname, tranid, keyword, string*

DFHCA5540 W *date time applid xxxxxxx* **value is greater than** *yyyyyyy* **value. The lower value takes precedence.**

Explanation: A value has been specified that is not consistent with another. The value *xxxxxxx* is greater than value *yyyyyyy*. Value *yyyyyyy* takes precedence and overrides the higher value.

System Action: The definition is created or updated with the two values as specified.

User Response: Ensure that the two values are defined as you expect. You may decide to leave the values as specified and dynamically change the values online once the resource has been installed in the CICS system.

Destination: CSMT

Module: DFHCAP

XMEOUT Parameters: *date, time, applid, xxxxxxx, yyyyyyy*

DFHCA5542 E *date time applid netname tranid* **Command not executed.** *xxxxxxx* **and** *yyyyyyy* **must be the same length.**

Explanation: Two options, *xxxxxxx* and *yyyyyyy*, have been specified but the length of the respective operands must be the same.

System Action: The utility ignores the command.

User Response: Correct the command.

Destination: CSMT

Module: DFHCAP

XMEOUT Parameters: *date, time, applid, netname, tranid, xxxxxxx, yyyyyyy*

DFHCA5543 E *date time applid netname tranid* **Command not executed. Generic characters must be in the same position in** *xxxxxxx* **and** *yyyyyyy***.**

Explanation: Two options, *xxxxxxx* and *yyyyyyy*, have been specified containing generic characters. The generic characters must be placed in the same position for both keywords.

System Action: The utility ignores the command.

User Response: Correct the command.

Destination: CSMT

Module: DFHCAP

XMEOUT Parameters: *date, time, applid, netname, tranid, xxxxxxx, yyyyyyy*

DFHCA5600 E *date time applid netname tranid* **Unable to get storage for module DFHCICS. Primary CSD not initialized.**

Explanation: There is insufficient storage to load module DFHCICS.

System Action: Processing of the INITIALIZE command is terminated.

User Response: Ensure that there is sufficient storage to load the DFHCICS module.

Destination: CSMT

Module: DFHCAP

XMEOUT Parameters: *date, time, applid, netname, tranid*

DFHCA5601 E *date time applid netname tranid* **Unable to load the** *tabletype* **table named** *table***.**

Explanation: Table *table* cannot be loaded.

System Action: The system action depends on the type of table.

LD

DFHCSDUP cannot process the command. The utility attempts to:

1. Close any files previously opened internally.
2. Unload any EXTRACT exit routines that were dynamically loaded.
3. Invoke the termination exit routine, if supplied.
4. Return control to the invoker of the utility.

FCT or RDT

The CSD utility cannot load the table, and terminates the processing of the utility command.

User Response: Refer to the preceding MVS message which should specify the reason for the failure.

If your FCT or TCT assembly and link-editing is successful, the FCT or RDT should be in the library. The LD is in the load library of the supplied pregenerated CICS system.

Destination: CSMT

Module: DFHCAP

XMEOUT Parameters: *date, time, applid, netname, tranid, tabletype, table*

DFHCA5602 E *date time applid netname tranid* **Unable to unload the** *tabletype* **table named** *table***.**

Explanation: Table *table* cannot be unloaded.

System Action: The system action depends on the type of table.

LD

DFHCSDUP cannot process the command. The utility attempts to:

1. Close any files previously opened internally.
2. Unload any EXTRACT exit routines that were dynamically loaded.
3. Invoke the termination exit routine, if supplied.
4. Return control to the invoker of the utility.

FCT or RDT

The CSD utility cannot unload the table, and terminates the processing of the utility command.

User Response: Refer to the preceding MVS message which should specify the reason for the failure.

If your FCT or TCT assembly and link-editing is successful, the FCT or RDT should be in the library. The LD is in the load library of the supplied pregenerated CICS system.

Destination: CSMT

Module: DFHCAP

XMEOUT Parameters: *date, time, applid, netname, tranid, tabletype, table*

DFHCA5603 E *date time applid netname tranid* **Unable to locate the** *tabletype* **table named** *table***.**

Explanation: Table *table* cannot be located.

System Action: The system action depends on the type of table specified.

LD

DFHCSDUP cannot process the command. The utility attempts to:

1. Close any files previously opened internally.
2. Unload any EXTRACT exit routines that were dynamically loaded.
3. Invoke the termination exit routine, if supplied.
4. Return control to the invoker of the utility.

FCT, RDT or DCT

The CSD utility cannot locate the table, and terminates the processing of the utility command.

User Response: Determine the reason for the failure.

If your FCT, TCT or DCT assembly and link-editing is successful, the FCT, RDT or DCT should be in the library. The LD is in the load library of the supplied pregenerated CICS system.

Destination: CSMT

Module: DFHCAP

XMEOUT Parameters: *date, time, applid, netname, tranid, tabletype, table*

DFHCA5604 E *date time applid netname tranid* **Unable to obtain storage for the cross-reference table named** *table***.**

Explanation: DFHCSDUP was unable to obtain storage for table *table*.

System Action: DFHCSDUP cannot process the command.

If commands are being read from a SYSIN data stream, subsequent commands (except LIST) are checked for syntax only. (If the primary CSD file cannot be opened, LIST is not processed either.)

If commands are being read from a get-command exit, DFHCSDUP attempts to process subsequent commands.

User Response: Increase the region size and retry the command.

Destination: CSMT

Module: DFHCAP

XMEOUT Parameters: *date, time, applid, netname, tranid, table*

DFHCA5605 E *date time applid netname tranid* **Disallowed character in group or list name** *object***.**

Explanation: The call to module DFHDMP has failed to construct a valid key for the record created on the CSD file. This is because the group or list name contains an invalid character.

System Action: A CSD record is not created for this definition. (If it is a transaction, a generated profile is not created either.)

User Response: Use the CEDA transaction to define the resource with a valid name.

Destination: CSMT

Module: DFHCAP

XMEOUT Parameters: *date, time, applid, netname, tranid, object*

DFHCA5606 S *date time applid netname tranid* **Command is not executed. Unable to load the service module** *progname***.**

Explanation: The service module, *progname*, cannot be loaded due to insufficient storage.

System Action: Utility command execution is terminated. If commands are being read from a SYSIN data stream by the utility, subsequent commands are checked for syntax only.

User Response: Retry the utility command with an increased region size.

Destination: CSMT

Module: DFHCAP

XMEOUT Parameters: *date, time, applid, netname, tranid, progname*

DFHCA5607 S *date time applid netname tranid* **Command is terminated. An error occurred while reading the first secondary CSD record.**

Explanation: An I/O error has occurred on the secondary CSD file.

System Action: The SERVICE command is terminated. If commands are being read from a SYSIN data stream by the utility, subsequent commands are checked for syntax only.

User Response: Check that the input and output data sets have been correctly defined, and that the DDNAME for the secondary CSD file in the JCL corresponds to the FROMCSD parameter in the SERVICE utility command.

Destination: CSMT

Module: DFHCAP

XMEOUT Parameters: *date, time, applid, netname, tranid*

DFHCA5608 S *date time applid netname tranid* **Command is terminated. Error occurred while reading a secondary CSD record.**

Explanation: An I/O error has occurred on the secondary CSD file.

System Action: The SERVICE command is terminated. If commands are being read from a SYSIN data stream by the utility, subsequent commands are checked for syntax only.

User Response: Check that the input and output data sets have been correctly defined, and that the DDNAME for the secondary CSD file in the JCL corresponds to the FROMCSD parameter in the SERVICE utility command.

If the problem persists, try to obtain a print out of the CSD, using either IDCAMS or the DFHCSDUP LIST ALL option. The LIST indicates where errors have occurred because they will not print and are therefore easily identifiable.

Destination: CSMT

Module: DFHCAP

XMEOUT Parameters: *date, time, applid, netname, tranid*

DFHCA5609 S *date time applid netname tranid* **Command is terminated. Error occurred while writing a primary CSD record.**

Explanation: An I/O error has occurred on the primary CSD file.

System Action: The SERVICE command is terminated. If commands are being read from a SYSIN data stream by the utility, subsequent commands are checked for syntax only.

User Response: Retry the command, ensuring that a sufficiently large data set is specified for the output (primary) CSD file.

Destination: CSMT

Module: DFHCAP

XMEOUT Parameters: *date, time, applid, netname, tranid*

DFHCA5611 E *date time applid netname tranid* **Command not executed. '***parameter***' parameter must begin with 'DFH'.**

Explanation: In a CSD utility MIGRATE command, the specified parameter contained an invalid table name or group name.

System Action: The utility does not process the command.

User Response: Resubmit the MIGRATE command with a valid table name or group name.

Destination: CSMT

Module: DFHCAP

XMEOUT Parameters: *date, time, applid, netname, tranid, parameter*

DFHCA5612 I *date time applid netname tranid resource object* **in group** *grpname* **is unchanged.**

Explanation: A resource definition existed in both source and target groups. Based on the CSD utility commands submitted, the utility has replaced the resource definition in the target group.

System Action: Normal utility processing continues.

User Response: None.

Destination: CSMT

Module: DFHCAP

XMEOUT Parameters: *date, time, applid, netname, tranid, resource, object, grpname*

DFHCA5613 E *date time applid netname tranid* **Unable to locate the library member** *member***.**

Explanation: The member is not in the libraries named in the JCL.

System Action: The utility terminates processing of the command that required access to library member *member*.

User Response: Ensure that the member is correctly link-edited into the library and resubmit the job.

Destination: CSMT

Module: DFHCAP

XMEOUT Parameters: *date, time, applid, netname, tranid, member*

DFHCA5614 E *date time applid netname tranid* **Unable to load the library member** *member***.**

Explanation: DFHCSDUP could not load library member *member*.

System Action: The utility terminates processing of the command that required access to the library member.

User Response: Ensure that the member is correctly link-edited into the library and resubmit the job.

Destination: CSMT

Module: DFHCAP

XMEOUT Parameters: *date, time, applid, netname, tranid, member*

DFHCA5617 S *date time applid netname tranid* **Command is terminated. Unrecognised type of record encountered while secondary CSD was being read.**

Explanation: The record-type field of an input CSD record is invalid.

System Action: The SERVICE command is terminated. If commands are being read from a SYSIN data stream by the utility, subsequent commands are checked for syntax only.

User Response: Check that the input and output data sets have been correctly defined, and that the DDNAME for the secondary CSD file in the JCL corresponds to the FROMCSD parameter in the SERVICE utility command.

If the problem persists, try to obtain a print out of the CSD, using either IDCAMS or the DFHCSDUP LIST ALL option. The LIST indicates where errors have occurred because they will not print and are therefore easily identifiable.

Destination: CSMT

Module: DFHCAP

XMEOUT Parameters: *date, time, applid, netname, tranid*

DFHCA5618 I *date time applid netname tranid* **An attention interrupt was requested during DFHCSDUP execution.**

Explanation: An attention interrupt has been requested while DFHCSDUP is executing in a TSO environment.

System Action: Normal utility processing continues.

Control is passed to a put-message exit if one has been specified on the extended entry linkage. Refer to the CICS Customization Guide for more information about put-message exits.

User Response: None.

Destination: CSMT

Module: DFHCAP

XMEOUT Parameters: *date, time, applid, netname, tranid*

DFHCA5619 W *date time applid netname tranid* **An invalid value of the PAGESIZE parameter has been specified. The default value of 60 lines per page will be used.**

Explanation: A value of the PAGESIZE parameter outside the allowed range (4–9999) has been specified.

System Action: The default value of 60 lines per page is taken.

User Response: Ensure that a valid PAGESIZE value is specified in future.

Destination: CSMT

Module: DFHCAP

XMEOUT Parameters: *date, time, applid, netname, tranid*

DFHCA5620 E *date time applid netname tranid* **An illegal return code (RC=***ret-code***) has been returned from the** *exit* **exit.**

Explanation: The specified user-exit routine has returned a disallowed return code.

System Action: Processing of the utility command is terminated. The exit is not disabled.

User Response: Investigate the specified exit routine for the cause of the return code.

Destination: CSMT

Module: DFHCAP

XMEOUT Parameters: *date, time, applid, netname, tranid, ret-code, exit*

DFHCA5621 E *date time applid netname tranid* **A non-zero return code has been returned from the put-message exit.**

Explanation: The put-message exit routine has returned a disallowed return code.

System Action: Processing of the utility command is terminated and the put-message exit is disabled.

User Response: Investigate the put-message exit routine for the cause of the return code.

Destination: CSMT

Module: DFHCAP

XMEOUT Parameters: *date, time, applid, netname, tranid*

DFHCA5622 S *date time applid netname tranid* **The secondary CSD has been closed during clean-up processing following the interception of an abend.**

Explanation: An abend has occurred during DFHCSDUP processing. The secondary CSD has been closed during post-ABEND cleanup processing.

System Action: Processing of the utility command is terminated.

User Response: Refer to prior messages for further information regarding this problem.

Destination: CSMT

Module: DFHCAP

XMEOUT Parameters: *date, time, applid, netname, tranid*

DFHCA5623 S *date time applid netname tranid* **The primary CSD has been closed during clean-up processing following the interception of an abend.**

Explanation: An abend has occurred during DFHCSDUP processing. The primary CSD has been closed during post-ABEND cleanup processing.

System Action: Processing of the utility command is terminated.

User Response: Refer to prior messages for further information regarding this problem.

Destination: CSMT

Module: DFHCAP

XMEOUT Parameters: *date, time, applid, netname, tranid*

DFHCA5624 S *date time applid netname tranid* **The extract exit program has been unloaded during clean-up processing following the interception of an abend.**

Explanation: An abend has occurred during the processing of an EXTRACT command. The extract exit program specified on the USERPROGRAM keyword of the EXTRACT utility command has been unloaded during post-ABEND cleanup processing.

System Action: The EXTRACT command is terminated.

User Response: Refer to prior messages for further information regarding the problem.

Destination: CSMT

Module: DFHCAP

XMEOUT Parameters: *date, time, applid, netname, tranid*

DFHCA5630 W *date time applid* **No IBM supplied definition found for** *resourcetype resourcename***.**

Explanation: While performing a SCAN command, the named resource type was not found in the CSD file on any of the IBM supplied groups. Note that compatibility groups are not used for the SCAN command.

System Action: The utility continues.

User Response: None.

Destination: CSMT

Module: DFHCSDUP

XMEOUT Parameters: *date, time, applid, resourcetype, resourcename*

DFHCA5631 I *date time applid resourcetype resourcename* **in group** *groupname1* **matches the IBM supplied definition in group** *groupname2***.**

Explanation: While performing a SCAN command, the resource *resourcetype* name *resourcename* was found in group *groupname1* and it matches the IBM supplied definition in group *groupname2*.

System Action: The utility continues.

User Response: None.

Destination: CSMT

Module: DFHCSDUP

XMEOUT Parameters: *date, time, applid, resourcetype, resourcename, groupname1, groupname2*

DFHCA5632 I *date time applid resourcetype resourcename* **in group** *groupname1* **does not match the IBM supplied definition in group** *groupname2***.**

Explanation: While performing a SCAN command, the resource *resourcetype* name *resourcename* was found in group *groupname1* and it does not match the IBM supplied definition in group *groupname2*.

System Action: The utility continues.

User Response: None.

Destination: CSMT

Module: DFHCSDUP

XMEOUT Parameters: *date, time, applid, resourcetype, resourcename, groupname1, groupname2*

DFHCA5633 I *date time applid resourcetype resourcename* **found in group** *groupname***.**

Explanation: While performing a SCAN command, the resource *resourcetype* name *resourcename* was found in group *groupname*. No IBM supplied definition was found to perform a compare against.

System Action: The utility continues.

User Response: None.

Destination: CSMT

Module: DFHCSDUP

XMEOUT Parameters: *date, time, applid, resourcetype, resourcename, groupname*

DFHCA5634 W *date time applid resourcetype resourcename* **not found in user groups.**

Explanation: While performing a SCAN command, the resource *resourcetype* name *resourcename* was not found in any user groups.

System Action: The utility continues.

User Response: None.

Destination: CSMT

Module: DFHCSDUP

XMEOUT Parameters: *date, time, applid, resourcetype, resourcename*

DFHCCxxxx messages

DFHCC0001 *applid* **An abend (code** *aaa/bbbb***) has occurred at offset** *X'offset'* **in the** *{local | global}* **catalog, module** *modname*

Explanation: An abnormal end (abend) or program check has occurred in module *modname* and will have occurred in either the local (DFHLCD) or the global (DFHGCD) catalog domains. This implies that there may be an error in CICS code.

Alternatively,

- Unexpected data has been input, or
- Storage has been overwritten.

The code *aaa/bbbb* is a three digit hexadecimal MVS code (if applicable), followed by a four digit alphanumeric CICS code. The MVS code is a system completion code (for example, 0C1 or D37). If an MVS code is not applicable, this field is filled with three hyphens. The CICS code is an abend code or a number referring to a CICS message (for example, AKEA is a CICS abend code; 1310 refers to message DFHTS1310).

During initialization, CICS may not have access to the user's *applid* coded in the SIT. If CICS produces this message in these circumstances, it uses the default *applid* value DBDCCICS.

System Action: An exception entry is made in the trace table, provided that trace is available at this time. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

This is a critical error and CICS is terminated, even if you have specified in the dump table that CICS should not terminate.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Notify the system programmer.

Look up the MVS code, if there is one, in the relevant MVS codes manual which is detailed in the book list in the front of this manual.

Then look up the CICS alphanumeric code in this manual. This will tell you, for example, whether the error was a program check, an abend, a runaway or a recovery percolation, and may give you some guidance concerning user response.

You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Modules: DFHCCCC, DFHCCDM

XMEOUT Parameters: *applid, aaa/bbbb, X'offset', {1=local, 2=global}, modname*

DFHCC0004 *applid* **A possible loop has been detected in the** *{local | global}* **catalog at offset** *X'offset'* **in module** *modname*

Explanation: A CICS function is taking more time to process than CICS expects. A possible loop has been detected in module *modname* at offset X'*offset*'. This is the offset of the instruction which was executing at the time the error was detected.

During initialization, CICS may not have access to the user's *applid* coded in the SIT. If CICS produces this message in these circumstances, it uses the default *applid* value DBDCCICS.

System Action: An exception entry is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

This is a critical error and CICS is terminated, even if you have specified in the dump table that CICS should not terminate.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Notify the system programmer.

You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Modules: DFHCCDM, DFHCCCC

XMEOUT Parameters: *applid, {1=local, 2=global}, X'offset', modname*

DFHCC0100 *applid* **Global Catalog initialization failure.** *{GENERATE ACB | OPEN ACB | GENERATE RPL | OPEN, SHOWCB.}* **R15 = X'***yy***' VSAM error code = X'** *zz***'**

Explanation: A VSAM error has occurred during global catalog initialization.

The VSAM codes given are explained in the *VSAM Programmer's Guide, GC26-3838*.

The possible versions of this message include the text

- "GENERATE ACB".
- "GENERATE RPL".

  The GENCB failed with the R15 condition given in X'*yy*'.

  The X'*zz*' code is only meaningful if X'*yy*' is X'04' when: X'*zz*' is the error code returned by VSAM Register 0 in response to a GENCB macro.
- "OPEN ACB".

  OPEN has failed with the R15 condition code X'*yy*'. This was followed by a successful SHOWCB which has placed the OPEN error code into X'*zz*'. Also see the message that VSAM writes to the operator console and programmer's listing.
- "OPEN, SHOWCB".

  OPEN has failed with the R15 condition code X'*yy*'.

  This was followed by a SHOWCB which failed, and the R0 return code from the SHOWCB is given in X'*zz*'. Also see the message that VSAM writes to the operator console and programmer's listing.

During initialization, CICS may not have access to the user's *applid* coded in the SIT. If CICS produces this message in these circumstances, it uses the default *applid* value DBDCCICS.

System Action: A system dump is produced, then CICS is terminated.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Look up the error codes in the *VSAM Programmer's Guide*, correct it then retry.

If this fails, notify the system programmer. You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Module: DFHCCDM

XMEOUT Parameters: *applid, {1=GENERATE ACB, 2=OPEN ACB, 3=GENERATE RPL, 4=OPEN, SHOWCB.}, yy, zz*

DFHCC0101 LOCAL CATALOG INITIALIZATION ERROR. *{GENERATE ACB | OPEN ACB | GENERATE RPL | OPEN, SHOWCB.}***R15 = X'***yy***' VSAM ERROR CODE = X'***zz***'**

Explanation: A VSAM error has occurred during local catalog initialization.

The VSAM codes given are explained in the *VSAM Programmer's Guide, GC26-3838*.

The possible versions of this message include the text

- "GENERATE ACB".
- "GENERATE RPL".

  The GENCB failed with the R15 condition given in X'*yy*'.

  The X'*zz*' code is only meaningful when X'*yy*' is X'04' when: X'*zz*' is the error code returned by VSAM Register 0 in response to a GENCB macro.
- "OPEN ACB".

  OPEN has failed with the R15 condition code X'*yy*'. This was followed by a successful SHOWCB which has placed the OPEN error code into X'*zz*'. Also see the message that VSAM writes to the operator console and programmer's listing.
- "OPEN, SHOWCB".

  OPEN has failed with the R15 condition code X'*yy*'.

  This was followed by a SHOWCB which failed, and the R0 return code from the SHOWCB is given in X'*zz*'. Also see the message that VSAM writes to the operator console and programmer's listing.

System Action: A system dump is produced, then CICS is terminated.

User Response: Look up the error codes in the *VSAM Programmer's Guide*, correct it then retry. If this fails, notify the system programmer.

You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHCCDM

DFHCC0102 *applid* **Global Catalog data set is already in use.**

Explanation: The VSAM error reported in the previous DFHCC0100 message suggests that the global catalog is already being used, possibly by another CICS region. The global catalog data set cannot be shared.

System Action: CICS is terminated.

User Response: Ensure that the DFHGCD DD statement for this CICS specifies a different global catalog data set from any CICS job that is already running.

If CICS still fails, notify the system programmer. You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Module: DFHCCDM

XMEOUT Parameter: *applid*

DFHCC0103 LOCAL CATALOG DATA SET IS ALREADY IN USE.

Explanation: The VSAM error reported in the previous DFHCC0101 message suggests that the local catalog is already being used, possibly by another CICS region. The local catalog data set cannot be shared.

System Action: CICS is terminated.

User Response: Ensure that the DFHLCD DD statement for this CICS specifies a different local catalog data set from any CICS job that is already running.

If CICS still fails, notify the system programmer. You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHCCDM

DFHCC0104 AN ABEND HAS OCCURRED DURING INITIALIZATION OF CATALOG DOMAIN IN MODULE DFHCCDM.

Explanation: DFHCCDM's recovery routine received control during pre-initialization of the local catalog (CC) domain.

System Action: A system dump with dump code KERNDUMP is taken and CICS terminates.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHCCDM

DFHCC0200 *applid* **VSAM error on the** *{local | global}* **catalog data set. VSAM return code in R15 = X'***yy***' RPL-FDBK=X'***zz***'.**

Explanation: A catalog VSAM operation has produced the VSAM error given.

An exception trace, code CC 2B60 or GC 2B60 has also been made.

System Action: A system dump is produced, then CICS is terminated. This is a critical error and CICS is terminated, even if you have specified in the dump table that CICS should not terminate.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: If possible, correct the VSAM error and restart CICS. For the meaning of the return codes, refer to the *VSAM Programmer's Guide GC26-3838*.

Inform the system programmer because this indicates a possible error in CICS code. You may need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Module: DFHCCCC

XMEOUT Parameters: *applid, {1=local, 2=global}, yy, zz*

DFHCC0201 VSAM ERROR ON THE LOCAL CATALOG DATA SET, VSAM RETURN CODE IN R15 = X'*yy***' FDBK=X'***zz***'.**

Explanation: A local catalog VSAM operation has produced the VSAM error given.

An exception trace, code CC 2B60 or GC 2B60 has also been made.

System Action: A system dump is produced then CICS is terminated. This is a critical error and CICS is terminated, even if you have specified in the dump table that CICS should not terminate.

User Response: If possible correct the VSAM error and restart CICS. For the meaning of the return codes, refer to the *VSAM Programmer's Guide GC26-3838*.

Inform the system programmer as this indicates a possible error in CICS code. You may need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHCCCC

DFHCC0202 *applid* **The** *{local | global}* **catalog has started to use new secondary space allocation.**

Explanation: Secondary space may be specified when the catalog data sets DFHLCD and DFHGCD are defined. This message is issued when the catalog starts using an additional space allocation.

See the *CICS System Definition Guide* for more information on controlling CICS storage.

System Action: An exception entry is made in the trace table, provided that trace is available at this time.

User Response: There are two possibilities.

- The system is in a loop which involves calls to the catalog to write onto the catalog data set. This is the most likely cause if the system suddenly starts to produce this message repeatedly.
- Insufficient primary space was allocated for the catalog when it was defined. This is the most likely cause if this message is produced either:
  - during or shortly after CICS initialization, or
  - this message is only produced infrequently (and only a few are ever produced).

Look for any other symptoms of possible looping, and act accordingly. If looping has occurred then the system programmer should redefine the catalog during the next CICS initial start.

If CICS was not looping then notify the system programmer, who should increase the primary space allocated for this data set during the next CICS initial start.

Destination: Console

Module: DFHCCCC

XMEOUT Parameters: *applid, {1=local, 2=global}*

DFHCC0203 *applid* **The** *{local | global}* **catalog is full.**

Explanation: The specified catalog data set (DFHLCD or DFHGCD) is full. There are two possible reasons for this error:

- The system is in a loop which involves calls to the catalog to write onto the catalog data set.
- Insufficient primary space was allocated for the catalog when it was defined. This is the most likely cause if this message is issued during or shortly after CICS initialization.

System Action: If the error occurs during initialization, a system dump is produced then CICS is terminated. If the error occurs after initialization, the domain invoking the catalog services will decide what action is appropriate.

User Response: Check for any other symptoms of looping and act accordingly.

If CICS is not looping, notify the system programmer who should increase the primary space allocated for this data set during the next CICS initial start.

If CICS is looping, this indicates an error in CICS code. You may need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Module: DFHCCCC

XMEOUT Parameters: *applid, {1=local, 2=global}*

DFHCC0300 DFHCCUTL ERROR REPORT. ERROR {OPENING DFHLCD.|WRITING TO DFHLCD. R15 = X'*yy***' VSAM RPL FEEDBACK CODE = X'***zz***'.}**

Explanation: The initialization of the local catalog data set, DFHLCD, has failed for the reasons given in the resulting job output.

System Action: Job terminates.

User Response: For the meaning of the VSAM codes, refer to the *VSAM Programmer's Guide GC26-3838*.
Correct cause of error indicated and retry.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCCUTL

DFHCExxxx messages

DFHCE3500 Unable to interpret keyword data. Sign-on is terminated.

Explanation: The keyword data supplied when invoking the sign on transaction is invalid.

System Action: Signon terminates.

User Response: Use the correct format to invoke the sign on transaction. The correct format is:

```
CESN USERID=userid,GROUPID=groupid,
     PS=password,NEWPS=new_password,
     LANGUAGE=language_code
```

See the *CICS Supplied Transactions* manual.

Destination: Terminal End User

Module: DFHSNP

DFHCE3501 Invalid keyword. Sign-on is terminated.

Explanation: The keyword which was entered was invalid.

System Action: The sign on transaction terminates.

User Response: Use a valid character keyword within the range 1-8.

Destination: Terminal End User

Module: DFHSNP

DFHCE3502 Your userid must be 1-8 characters. Sign-on is terminated.

Explanation: The value of the USERID keyword has less than 1 or more than 8 characters.

System Action: Sign on terminates.

User Response: Use a valid userid.

Destination: Terminal End User

Module: DFHSNP

DFHCE3503 Your password must be 1-8 characters. Sign-on is terminated.

Explanation: The value of the PS keyword has less than 1 or more than 8 characters.

System Action: Sign on terminates.

User Response: Use a valid password.

Destination: Terminal End User

Module: DFHSNP

DFHCE3504 Your new password must be 1-8 characters. Sign-on is terminated.

Explanation: The value of the NEWPS keyword has less than 1 or more than 8 characters.

System Action: Signon terminates.

User Response: Use a valid new password.

Destination: Terminal End User

Module: DFHSNP

DFHCE3506 Your groupid must be 1-8 characters. Sign-on is terminated.

Explanation: The value of the GROUPID keyword has less than 1 or more than 8 characters.

System Action: Signon terminates.

User Response: Use a valid group name.

Destination: Terminal End User

Module: DFHSNP

DFHCE3507 Your language code must be three characters. Sign-on is terminated.

Explanation: The value of the LANGUAGE keyword is not a three-letter code.

System Action: Signon terminates.

User Response: Use a valid language code.

Destination: Terminal End User

Module: DFHSNP

DFHCE3520 Please type your userid.

Explanation: The system requests a userid.

System Action: None.

User Response: Enter your userid.

Destination: Terminal End User

Module: DFHSNP

DFHCE3521 CICS sign-on. Please type your userid.

Explanation: The system requests a userid.

System Action: The system waits for a response.

User Response: Enter your userid.

Destination: Terminal End User

Module: DFHSNP

DFHCE3522 CICS sign-on. Please type your userid==>

Explanation: The system requests a userid.

System Action: The system waits for a response.

User Response: Enter your userid.

Destination: Terminal End User

Module: DFHSNP

DFHCE3523 Please type your password.

Explanation: The system requests a password.

System Action: The system waits for a response.

User Response: Enter your password.

Destination: Terminal End User

Module: DFHSNP

DFHCE3524 Please type your password==>@@@@@@@@

Explanation: The system requests a password. *@@@@@@@@* represents a character string provided by CICS to prevent the password being seen.

System Action: The system waits for a response.

User Response: Enter your password.

Destination: Terminal End User

Module: DFHSNP

DFHCE3525 Your password has expired. Please type your new password.

Explanation: The system requires a new password.

System Action: The system waits for a response.

User Response: Enter a new password.

Destination: Terminal End User

Module: DFHSNP

DFHCE3526 Your password has expired. Please type your new password==>@@@@@@@@

Explanation: The system requests a new password. *@@@@@@@@* represents a character string provided by CICS to prevent the new password being seen.

System Action: The system waits for a response.

User Response: Enter a new password.

Destination: Terminal End User

Module: DFHSNP

DFHCE3527 Use your magnetic (OPID) card or press ENTER to cancel.

Explanation: A magnetic card is required.

System Action: The system waits for an opid (magnetic) card.

User Response: Supply badge or terminate transaction.

Destination: Terminal End User

Module: DFHSNP

DFHCE3528 Signon failed during SECLABEL checking.

Explanation: The signon request has failed because the external security manager (ESM) detected a critical error.

System Action: The signon transaction terminates.

User Response: Refer to message DFHSN1108 on the CSCS log for the information and actions necessary to resolve this problem.

Destination: Terminal End User

Module: DFHSNP

DFHCE3529 The ESM is currently not accepting signons. Please try later.

Explanation: The signon request has failed because the external security manager (ESM) was in a tranquil state. When in a tranquil state, only signons from special users are accepted.

System Action: The sign on transaction terminates.

User Response: The ESM has probably been put into a tranquil state to allow for ESM database maintenance. Determine whether maintenance is currently occurring and how long it will take. When maintenance is finished the tranquil state should be removed from the ESM which will allow you to sign on to CICS. If the ESM has not been put into a tranquil state then, refer to message DFHSN1108 on the CSCS log for the information and actions necessary to resolve this problem.

Destination: Terminal End User

Module: DFHSNP

DFHCE3530 Your userid is invalid. Please retype.

Explanation: Your userid is invalid.

The system requests a userid.

System Action: The system waits for a response.

User Response: Enter a valid userid.

Destination: Terminal End User

Module: DFHSNP

DFHCE3531 Your userid is invalid. Please retype==>

Explanation: Your userid is invalid.

The system requests a userid.

System Action: The system waits for a response.

User Response: Enter a valid userid.

Destination: Terminal End User

Module: DFHSNP

DFHCE3532 Your password is invalid. Please retype.

Explanation: The password entered was invalid.

System Action: The system waits for a response.

User Response: Enter a valid password.

Destination: Terminal End User

Module: DFHSNP

DFHCE3533 Your password is invalid. Please retype==>@@@@@@@@

Explanation: The password entered was invalid.

System Action: The system waits for a response.

User Response: Enter a valid password.

Destination: Terminal End User

Module: DFHSNP

DFHCE3534 Your new password is invalid. Please retype.

Explanation: The new password entered was invalid.

System Action: None.

User Response: Enter a valid password.

Destination: Terminal End User

Module: DFHSNP

DFHCE3535 Your new password is invalid. Please retype==>@@@@@@@@

Explanation: The new password entered was invalid.

System Action: The system waits for a response.

User Response: Enter a valid password.

Destination: Terminal End User

Module: DFHSNP

DFHCE3536 Invalid OPID. Please enter a valid card or press ENTER to cancel.

Explanation: The OPID entered is invalid.

System Action: The system waits for a response.

User Response: Enter a valid card or press ENTER to cancel the signon.

Destination: Terminal End User

Module: DFHSNP

DFHCE3537 Language is invalid. Please retype.

Explanation: The language code entered is invalid.

System Action: The system waits for a response.

User Response: Enter a valid language code.

Destination: Terminal End User

Module: DFHSNP

DFHCE3538 Language is invalid. Please retype==>

Explanation: The language code entered is invalid.

System Action: The system waits for a response.

User Response: Enter a valid language code.

Destination: Terminal End User

Module: DFHSNP

DFHCE3539 Please reenter the new password for verification.

Explanation: You have entered a new password in the new password field and you are now being prompted to reenter the same password to assure yourself of the new password data.

System Action: The system waits for a response.

User Response: Reenter the new password in the password field.

Destination: Terminal End User

Module: DFHSNP

DFHCE3541 Security interface error (*rc*). Sign-on is terminated.

Explanation: An error has been detected in an external security manager. *rc* is the return code from the external security manager.

System Action: Signon terminates.

User Response: For a RACF signon, *rc* is the return code from the RACINIT macro. See the appropriate RACF manual for details of the macro return codes. The return codes are macro specific.

Destination: Terminal End User

Module: DFHSNP

DFHCE3542 Sign-on is not allowed at this terminal. Your sign-on is ignored.

Explanation: The sign on transaction cannot be executed at the current terminal for one of the following reasons:

- The terminal is defined with a preset userid that cannot be changed by signing on
- The terminal is a surrogate of a terminal in another CICS region, but the sign on transaction is not executing within a session established by the CRTE transaction.

System Action: The sign on transaction terminates.

User Response: Do not use the sign on transaction at this terminal.

Destination: Terminal End User

Module: DFHSNP

DFHCE3543 You have cancelled your sign-on request. Sign-on is terminated.

Explanation: The user has pressed ENTER when an OPID card was requested or has entered PF3 on a 3270 terminal device.

System Action: The sign on transaction terminates.

User Response: Retry the sign on procedure.

Destination: Terminal End User

Module: DFHSNP

DFHCE3544 Terminal authorization failed. Sign-on is terminated.

Explanation: RACF has responded to a security request with 'Terminal not authorized' and RACF response code X'30'.

System Action: The sign on transaction terminates.

User Response: Inform the systems programmer, who should refer to message DFHSN1118 on the CSCS log for the relevant information and actions necessary to resolve this problem.

Destination: Terminal End User

Module: DFHSNP

DFHCE3545 Application authorization failed. Sign-on is terminated.

Explanation: RACF has responded to a security request with 'Application not authorized' and RACF response code X'34'.

System Action: The sign on transaction terminates.

User Response: Inform the systems programmer, who should refer to message DFHSN1119 on the CSCS log for the relevant information and actions necessary to resolve this problem.

Destination: Terminal End User

Module: DFHSNP

DFHCE3546 Your signon *{userid | group access}* has been revoked. Signon is terminated.

Explanation: The response from RACF indicates that either the userid that you use to signon to CICS, or your access to the RACF group that contains it, has been revoked by the system.

System Action: The signon transaction terminates.

User Response: Contact your RACF administrator, who can re-authorize the revoked user ID.

Destination: Terminal End User

Module: DFHSNP

DFHCE3547 Security is not active. Sign-on cannot be performed.

Explanation: A request to sign on to the CICS system was rejected because the CICS security system was not active.

A user can only sign on to CICS when CICS security is active.

The CICS security system is activated using the system initialization parameter SEC=YES.

System Action: The sign on transaction terminates.

User Response: None.

Destination: Terminal End User

Module: DFHSNP

DFHCE3548 *date time applid* **Critical error has occurred in DFHSNP. Codes:** *1*,*2*,*3*,*4*,*5***.**

Explanation: The sign on program, DFHSNP, is abnormally terminated due to a critical error.

The five codes indicate the cause of the error and where the error occurred.

Code 1 is an abend code. It can be one of ASNA, ASNB or ASNC.

Codes 2, 3, 4 and 5 are codes which help IBM to identify the source of the error. They are id_location, EIBFRCODE, EIBRESP and EIBRESP2.

System Action: DFHSNP is abnormally terminated with a transaction dump.. Message DFHAC2206 is normally issued, but if no terminal is associated with the task, DFHAC2236 may be issued instead.

User Response: Refer to message DFHAC2206 or DFHAC2236. If DFHAC2236 has been issued, the absence of a terminal is probably the reason for the abend.

Use the abend code given in the message to determine the reason for the error and the course of action to take. This enables you to determine whether the abend was caused by user error or by an error in CICS code. (An error in CICS code is signalled by abend code ASNA.)

If you suspect an error in CICS code, you need further assistance from IBM to resolve the problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CSMT

Module: DFHSNP

XMEOUT Parameters: *date, time, applid, 1, 2, 3, 4, 5*

DFHCE3549 Sign-on is complete (Language *language***).**

Explanation: The user has successfully signed on to the CICS system.

System Action: CICS is ready to receive user transactions.

User Response: Use terminal as required for CICS transactions.

Destination: Terminal End User

Module: DFHSNP

DFHCE3550 Sign-off option must be LOGOFF or GOODNIGHT. Sign-off is ignored.

Explanation: An option other than LOGOFF|GOODNIGHT was detected.

System Action: The sign-off transaction terminates.

User Response: Specify the correct option when invoking sign-off.

Destination: Terminal End User

Module: DFHSFP

DFHCE3551 *date time applid termid* **DFHSNP has detected an invalid COMMAREA. It has been ignored. The data is lost.**

Explanation: While processing a CESN transaction DFHSNP was passed a commarea that was not its own. This may be the result of an application issuing the EXEC CICS RETURN TRANSID(...) COMMAREA(...) with a *transid* of nulls (X'00000000'). This could be because the pointer to the *transid* is incorrectly set up or may be part of the system design.

System Action: DFHSNP continues with CESN transaction processing.

User Response: Investigate whether this message is issued validly as part of the system design, in which case the message can be ignored, or is an error. Investigate the previous transaction at this terminal.

Destination: CSMT

Module: DFHSNP

XMEOUT Parameters: *date, time, applid, termid*

DFHCE3560 Sign-off is not allowed at this terminal. Sign-off is ignored.

Explanation: The sign-off transaction cannot be executed at the current terminal for one of the following reasons:

- The terminal is defined with a preset userid that cannot be changed by signing off
- The terminal is a surrogate of a terminal in another CICS region, but the sign-off transaction is not executing within a session established by the CRTE transaction.

System Action: The sign-off transaction terminates.

User Response: Do not use the sign-off transaction at this terminal.

Destination: Terminal End User

Module: DFHSFP

DFHCE3570 Your groupid is invalid. Please retype.

Explanation: Your group identifier is invalid.

The system requests a group identifier.

System Action: The system waits for a response.

User Response: Enter a valid group identifier.

Destination: Terminal End User

Module: DFHSNP

DFHCE3571 Your groupid is invalid. Please retype==>

Explanation: Your group identifier is invalid.

The system requests a group identifier.

System Action: The system waits for a response.

User Response: Enter a valid group identifier.

Destination: Terminal End User

Module: DFHSNP

DFHCE3587 You cannot signon at this terminal at this time.

Explanation: You cannot signon at this terminal at this time. The SNSCOPE initialization parameter disallows signon to more than one terminal at a time. An internal failure during SNSCOPE checking means that CICS is unable to confirm if the user is already signed on elsewhere. The failure has occurred because the limit of concurrent MVS ENQ requests has been reached.

System Action: The signon transaction terminates. Message DFHUS0120 will have been written to the console. See the explanation of this message for further information.

User Response: Please report this problem to your CICS systems programmer.

Destination: Terminal End User

Module: DFHSNP

DFHCE3588 You are already signed on at another terminal. Signon cannot be performed.

Explanation: You cannot sign on at the current terminal because you are already signed on at another terminal. The SNSCOPE initialization parameter for the CICS system does not allow you to sign on to more than one terminal at a time.

System Action: The sign on transaction terminates.

User Response: Sign off from the other terminal before you attempt to sign on again.

Destination: Terminal End User

Module: DFHSNP

DFHCE3589 The external security manager is inactive. Signon cannot be performed.

Explanation: You cannot sign on because the external security manager is not active.

System Action: The sign on transaction terminates.

User Response: Wait until the external security manager has been reactivated before attempting to sign on again.

Destination: Terminal End User

Module: DFHSNP

DFHCE3590 Sign-off is complete.

Explanation: If the user issued a CESN to sign on to the system, then sign-off has been successful. If the user was not signed on, and CICS security was active (SEC=YES system initialization parameter) then message DFHSN1213 is written to the CSCS log to indicate that the user has logged off but has not been allowed to sign off.

System Action: Other processing continues.

User Response: Use the terminal as required for CICS transactions.

Destination: Terminal End User

Module: DFHSFP

DFHCE3591 Sign-off is complete. LOGOFF option is invalid when using CRTE.

Explanation: The terminal is now signed off. The LOGOFF option which was specified has been ignored as it is invalid when using CRTE.

System Action: The CICS system, to which the user has connected via CRTE, has been signed off.

User Response: Do not use the LOGOFF option when signing off via CRTE.

Destination: Terminal End User

Module: DFHSFP

DFHCE3592 Sign-off is complete. GOODNIGHT option is invalid when using CRTE.

Explanation: The terminal is now signed off. The GOODNIGHT option which was specified has been ignored as it is invalid when using CRTE.

System Action: The CICS system, to which the user has connected via CRTE, has been signed off.

User Response: Do not use the GOODNIGHT option when signing off via CRTE.

Destination: Terminal End User

Module: DFHSFP

DFHCE3598 *date time applid* **Critical error has occurred in DFHSFP. Codes:** *1*,*2*,*3*,*4*,*5*.

Explanation: The signoff program, DFHSFP, will abnormally terminate due to a critical error.

The five codes indicate the cause of the error and where the error occurred.

Code 1 is an abend code. It can be ASFA, ASFB or ASFC.

Codes 2, 3, 4 and 5 are codes which help IBM to identify the source of the error. They are id_location (in hexadecimal), EIBFRCODE, EIBRESP and EIBRESP2.

System Action: DFHSFP is abnormally terminated with a transaction dump. Message DFHAC2206 is normally issued, but if no terminal is associated with the task, DFHAC2236 may be issued instead.

User Response: Refer to message DFHAC2206 or DFHAC2236. If DFHAC2236 has been issued, the absence of a terminal is probably the reason for the abend.

Use the abend code given in the message to determine the reason for the error and the course of action to take. This will enable you to determine whether the abend was caused by user error or by an error in CICS code. (An error in CICS code is signalled by abend code ASFA.)

If you suspect an error in CICS code, you need further assistance from IBM to resolve the problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CSMT

Module: DFHSFP

XMEOUT Parameters: *date, time, applid, 1, 2, 3, 4, 5*

DFHCFxxxx messages

DFHCF0101I CF data table server initialization is in progress.

Explanation: The coupling facility data table server program has started execution.

System Action: Initialization continues.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHCFMN

DFHCF0102I CF data table server for pool *poolname* **is now active.**

Explanation: The coupling facility data table server for the named pool has completed initialization and is now ready to accept connections.

System Action: The server waits for connection requests or operator commands.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHCFMN

DFHCF0103 CF data table server initialization failed because the POOLNAME parameter was not specified.

Explanation: The coupling facility data table server program needs to know the name of the associated coupling facility data table pool in order to complete initialization, but no pool name was specified in the SYSIN or PARM field parameters.

System Action: The server is terminated.

User Response: Ensure that the parameter **POOLNAME=***name* is specified either in the SYSIN parameters or in the PARM field of the JCL for the server.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHCFMN

DFHCF0104 CF data table server initialization failed because program DFHCFMN is not APF authorized.

Explanation: The coupling facility data table server main program DFHCFMN cannot complete initialization because it is not running with APF authorization.

System Action: The server is terminated.

User Response: Ensure that the coupling facility data table server program DFHCFMN is loaded from an APF authorized library and has been link-edited with the option AC(1).

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHCFMN

DFHCF0111I CF data table server for pool *poolname* **is terminating.**

Explanation: The coupling facility data table server has started termination processing, so no further requests will be processed.

System Action: Termination continues.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHCFMN

DFHCF0112I CF data table server has terminated, return code *retcode***, reason code** *rsncode***.**

Explanation: The coupling facility data table server has completed termination processing. For normal termination, the return code and reason code are both zero. If the termination was caused by an error, the return code will be 8 and the reason code will be the number of the previous DFHCFnnnn message giving the reason for termination.

System Action: The coupling facility data table server program returns control (via the AXM termination routines) to MVS for job step termination.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHCFMN

DFHCF0113 CF data table server completion code is *cmpcode***, reason code** *rsncode***.**

Explanation: The coupling facility data table server has terminated after intercepting an abnormal termination (ABEND) request. If the completion code is a system completion code, it is shown as three hexadecimal digits, otherwise it is shown as four decimal digits for a user completion code. Any associated reason code is shown as a four byte hexadecimal value, which will be zero if no reason code was provided.

System Action: The coupling facility data table server program returns control (via the AXM termination routines) to MVS for job step termination.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHCFMN

DFHCF0201I Processing *type parameters*

Explanation: The coupling facility data table server parameter processing routine is interpreting the specified parameter string. The first word gives the type of parameter (SYSIN/PARM/SET/DISPLAY/PRINT) and the rest is the specified parameters optionally followed by descriptive comment text after one or more spaces. If the parameters start with an asterisk or a space, the whole line is taken as descriptive comments.

System Action: Any specified parameters will be processed.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCFPR

DFHCF0202 Unknown parameter keyword: *keyword*

Explanation: This parameter keyword did not match any of the defined parameter keywords for the coupling facility data table server.

System Action: Processing of the current parameter string (command parameter list, PARM field or SYSIN input line) is terminated. For an initialization parameter specified in SYSIN or the PARM field, a return code is set which will cause the server to terminate when initialization parameter processing is complete.

User Response: Correct the parameter keyword (or remove the incorrect parameter) and reenter the command or restart the server.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHCFPR

DFHCF0203 Value *value* **for parameter** *keyword* **is incorrect. It must be a name of up to 8 characters.**

Explanation: The value of this parameter should have been specified as a name containing not more than 8 characters.

System Action: Processing of the current parameter string (command parameter list, PARM field or SYSIN input line) is terminated. For an initialization parameter specified in SYSIN or the PARM field, a return code is set which will cause the server to terminate when initialization parameter processing is complete.

User Response: Correct the parameter value and reenter the command or restart the server.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHCFPR

DFHCF0204 Value *value* **for parameter** *keyword* **is incorrect. It must be a decimal number.**

Explanation: The value of this coupling facility data table server parameter should have been specified as a decimal number but was not in a valid format. (Numeric parameters can optionally be followed by the letter K, M or G to denote the appropriate powers of 1024).

System Action: Processing of the current parameter string (command parameter list, PARM field or SYSIN input line) is terminated. For an initialization parameter specified in SYSIN or the PARM field, a return code is set which will cause the server to terminate when initialization parameter processing is complete.

User Response: Correct the parameter value and reenter the command or restart the server.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHCFPR

DFHCF0205 Value *value* **for parameter** *keyword* **is greater than the maximum allowed value** *maximum***.**

Explanation: The value of this coupling facility data table server parameter exceeded the maximum allowed value, given in the message.

System Action: Processing of the current parameter string (command parameter list, PARM field or SYSIN input line) is terminated. For an initialization parameter specified in SYSIN or the PARM field, a return code is set which will cause the server to terminate when initialization parameter processing is complete.

User Response: Correct the parameter value and reenter the command or restart the server.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHCFPR

DFHCF0206 Value *value* **for parameter** *keyword* **is less than the minimum allowed value** *minimum***.**

Explanation: The value of this coupling facility data table server parameter was less than the minimum allowed value, given in the message.

System Action: Processing of the current parameter string (command parameter list, PARM field or SYSIN input line) is terminated. For an initialization parameter specified in SYSIN or the PARM field, a return code is set which will cause the server to terminate when initialization parameter processing is complete.

User Response: Correct the parameter value and reenter the command or restart the server.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHCFPR

DFHCF0207 Value *value* **for parameter** *keyword* **is incorrect. It should be a time hh:mm:ss or hh:mm or a number of seconds.**

Explanation: The value of this coupling facility data table server parameter did not conform to the correct syntax for a time interval.

System Action: Processing of the current parameter string (command parameter list, PARM field or SYSIN input line) is terminated. For an initialization parameter specified in SYSIN or the PARM field, a return code is set which will cause the server to terminate when initialization parameter processing is complete.

User Response: Correct the parameter value and reenter the command or restart the server.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHCFPR

DFHCF0208 Parameter keyword *keyword* **is not supported for** *command***.**

Explanation: A coupling facility data table server parameter keyword was specified in a context where it is not valid, such as an attempt to **SET** a parameter which can only be specified at initialization time, or to specify at initialization time a parameter which is only valid on **DISPLAY**.

System Action: Processing of the current parameter string (command parameter list, PARM field or SYSIN input line) is terminated. For an initialization parameter specified in SYSIN or the PARM field, a return code is set which will cause the server to terminate when initialization parameter processing is complete.

User Response: If the error occurred at initialization, remove the incorrect parameter and restart the server. If it occurred on a server command, check that the command and parameter were correctly entered.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHCFPR

DFHCF0209 Parameter text contains invalid character: *text*

Explanation: The coupling facility data table server parameter processing routine found some unexpected text when attempting to process parameters.

System Action: Processing of the current parameter string (command parameter list, PARM field or SYSIN input line) is terminated. For an initialization parameter specified in SYSIN or the PARM field, a return code is set which will cause the server to terminate when initialization parameter processing is complete.

User Response: Correct the parameters (or remove the incorrect parameter) and reenter the command or restart the server.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHCFPR

DFHCF0210 Parameter keyword *keyword* **should not have a value for** *command***.**

Explanation: A coupling facility data table server parameter keyword was specified in the form *keyword=value* in a context where it was not expected, for example on a **DISPLAY** command.

System Action: Processing of the current line of parameters is terminated.

User Response: Reenter the command without specifying a value for the parameter to be displayed.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHCFPR

DFHCF0211I Parameter value: *keyword***=***value*

Explanation: This message is issued to show the current value of a coupling facility data table server parameter setting in response to a **DISPLAY** or **PRINT** command.

System Action: Processing continues normally.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHCFPR

DFHCF0212 Value *value* **for parameter** *keyword* **is incorrect. It must be one of** *validlist***.**

Explanation: The value of this coupling facility data table server parameter was not recognized. It should have been specified as one of the indicated list of values.

System Action: Processing of the current parameter string (command parameter list, PARM field or SYSIN input line) is terminated. For an initialization parameter specified in SYSIN or the PARM field, a return code is set which will cause the server to terminate when initialization parameter processing is complete.

User Response: Correct the parameter value and reenter the command or restart the server.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHCFPR

DFHCF0213 Value for parameter *keyword* **is missing. The correct form is keyword=value.**

Explanation: A parameter keyword was specified without an associated parameter value on a coupling facility data table server **SET** command or in a SYSIN or PARM parameter string. Note that the only character which should appear between the parameter keyword and its intended value is the equals sign, without any extra spaces.

System Action: Processing of the current parameter string (command parameter list, PARM field or SYSIN input line) is terminated. For an initialization parameter specified in SYSIN or the PARM field, a return code is set which will cause the server to terminate when initialization parameter processing is complete.

User Response: Reenter the parameter specification in the correct form *keyword=value*.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHCFPR

DFHCF0214 Value *value* **for parameter** *keyword* **is incorrect. Pattern matching is not supported in this context.**

Explanation: A parameter value containing one of the pattern matching (wild card) characters '*', '%' or '?' was specified in a context where only a single identifier is supported.

System Action: Processing of the current parameter string (command parameter list, PARM field or SYSIN input line) is terminated. For an initialization parameter specified in SYSIN or the PARM field, a return code is set which will cause the server to terminate when initialization parameter processing is complete.

User Response: Correct the parameter value and reenter the command.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHCFPR

DFHCF0215 Value *value* **for applid.uowid parameter** *keyword* **is incorrect. The APPLID part should be a name of up to 8 characters.**

Explanation: The value of this coupling facility data table server parameter did not conform to the correct syntax for the APPLID part of a unit of work identifier.

System Action: Processing of the current line of parameters is terminated.

User Response: Correct the parameter value and reenter the command.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHCFPR

DFHCF0216 Value *value* **for applid.uowid parameter** *keyword* **is incorrect. The UOWID part should be 16 hexadecimal digits or '*'.**

Explanation: The value of this coupling facility data table server parameter did not conform to the correct syntax for a unit of work identifier.

System Action: Processing of the current line of parameters is terminated.

User Response: Correct the parameter value and reenter the command.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHCFPR

DFHCF0217 Parameter keyword *keyword* **requires a table name. It should be preceded by TABLE=name in the same command line.**

Explanation: This coupling facility data table server parameter can only be set for a specific table, but it was not preceded by a **TABLE=***name* parameter in the same command line.

System Action: Processing of the current line of parameters is terminated.

User Response: Insert the parameter **TABLE=***name* before the specified keyword and reenter the command.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHCFPR

DFHCF0218 TABLE=*table* **was specified without any table-related parameter.**

Explanation: A coupling facility data table server **SET** command was issued including a parameter of the form **TABLE=***name* to select a specific table, but it was not followed by any table-related parameter within the same command.

System Action: The table name parameter is ignored.

User Response: If a table-related parameter was to be set, ensure that it is included on the same **SET** command as the table name.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHCFPR

DFHCF0301I Console operator *consname* **issued command:** *command*

Explanation: A coupling facility data table server operator command has been issued via the MVS **MODIFY** or **STOP** command. This message identifies the console name (or TSO userid) from which the command was issued and the text of the command.

System Action: Processing continues.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCFOP

DFHCF0302I *command* **command ignored because no valid parameters were given.**

Explanation: A coupling facility data table server command was issued which had no valid parameters on it but was otherwise syntactically valid. The command has had no effect.

System Action: Processing continues normally.

User Response: Ensure that the command was entered correctly.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHCFOP

DFHCF0303I *command* **command has been processed.**

Explanation: A coupling facility data table server command has been processed successfully.

System Action: Processing continues.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHCFOP

DFHCF0304I STOP command is waiting for connections to be closed. Number of active connections = *connections***.**

Explanation: A coupling facility data table server **STOP** command has been issued (either via an MVS **STOP** command or via an MVS **MODIFY** command with the text **STOP**) but there are still active connections to the server, so the **STOP** command has not yet taken effect.

System Action: The server rejects any further attempts to establish new connections, but continues processing requests for existing connections. Each time a connection is terminated, this message will be repeated as long as there are more active connections.

User Response: Further information about the connections which are still active may be obtained using the command **DISPLAY CONNECTIONS**.

If the server needs to be shut down without waiting for connections to be closed, issue the server **CANCEL** command. Note that this will immediately terminate any active connections, causing any further requests for that server to be given a SYSIDERR indication. (The MVS **CANCEL** command can also be used, but should preferably be avoided because it will prevent the server from producing its normal closedown statistics and reports).

Note that if a CICS region is abnormally terminated while server connect or disconnect processing is in progress, or is terminated without going through end of task processing (for example using the **FORCE** command) there is a slight chance that the server will not be notified that the connection has been terminated. In this case the server will not be able to be closed down with the server **STOP** command, but only with the server **CANCEL** command.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHCFOP

DFHCF0305I STOP command has been processed.

Explanation: Processing of a coupling facility data table server **STOP** command has now been successfully completed. This means that there are no longer any active connections and the server is ready to close down.

System Action: The coupling facility data table server starts termination processing.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHCFOP

DFHCF0306 CF data table server does not support this command: *command*

Explanation: An operator command was addressed to the coupling facility data table server using the MVS **MODIFY** command, but the first word of the **MODIFY** parameter text is not a recognized server command (**SET**, **DISPLAY**, **PRINT**, **STOP**, **CANCEL** or an accepted abbreviation for one of these).

System Action: The command is ignored.

User Response: Correct and reenter the command.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHCFOP

DFHCF0307I CANCEL command has been processed. Number of active connections = *connections***.**

Explanation: A coupling facility data table server **CANCEL** command has been issued, either from an operator console or internally by the server in response to a severe error such as coupling facility failure. This message includes the number of active connections which may be affected by this command.

System Action: The server terminates immediately, without waiting to close connections.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHCFOP

DFHCF0308 CF data table server does not support CICS commands. To close it down, you can use the STOP command.

Explanation: An operator command which appears to be a CICS command (a four-character transaction code of the form 'CExx') was addressed to the coupling facility data table server using the MVS **MODIFY** command.

System Action: The command is ignored.

User Response: Correct and reenter the command. If the intention is to close down the server, use the server **STOP** or **CANCEL** command.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHCFOP

DFHCF0321 Pool state error, reason code *reason***, processing** *request* **request for table** *table***, key** *key***, task** *task***, region** *region***.**

Explanation: Integrity checks during coupling facility data table request processing found that data or control information in the pool list structure was in a state that should not be possible in normal processing. The reason codes are based on the response codes returned by the internal coupling facility interface.

- Reason codes:

  2 Entry exceeds maximum data length.

  3 Entry not found.

  4 Wrong version.

  5 Wrong list authority.

  6 Maximum number of entries in list reached.

  7 No space left in structure.

All of these conditions can also occur in normal processing. This message is only issued if the condition occurs in a case where it should not occur, or when the normal retry action following the condition cannot be performed. For example, a wrong version response from the coupling facility interface normally simply indicates that an entry has changed, causing the entry to be read again, and this is only treated as a pool state error if the data or control information in the changed entry is not consistent with the expected state of the record.

System Action: The request is terminated with a pool state error exception.

User Response: This indicates that some data in the pool has become inconsistent or corrupted. There is no known way that this can happen unless a program other than the coupling facility data table server is used to access the pool. If this error occurs for data records in a particular table, it may be necessary to delete the table to clear up the problem. If it occurs for other control information, it may be necessary to recreate the pool.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHCFRQ

DFHCF0331I Table *table* **maximum records limit now set to** *maxrec* **(was** *oldmax***). Current number of records is** *records***.**

Explanation: The maximum number of records allowed to be stored in the specified table has been successfully modified in response to a coupling facility data table server **SET TABLE** command with the **MAXRECS** parameter. The previous maximum number is shown, and the current number of records. The new or previous maximum number may also be shown as **NOLIMIT** for the special value indicating that no limit applies. (For a recoverable table with uncommitted updates, this number includes the original versions of changed records, as these are retained until syncpoint time to allow for possible backout).

System Action: Processing continues using the new value for the maximum number of records. If the current number of records already exceeds this value, no further records can be added (or, for a recoverable table, updated) until enough records have been deleted to bring the current number below the limit.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHCFOC

DFHCF0332I Table *table* was not found.

Explanation: The table specified on a coupling facility data table server **SET TABLE** command was not found in the pool.

System Action: The command is ignored.

User Response: Ensure that the table name was entered correctly, and that the command was addressed to the correct pool server.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHCFOC

DFHCF0333 Pool state error, reason code *reason*, processing SET command for table *table*.

Explanation: The status of the table specified on a coupling facility data table server **SET TABLE** command could not be modified because the control information in the list structure was in a state that should not be possible in normal processing. The reason codes are based on the response codes returned by the internal coupling facility interface.

- Reason codes:

  2 Entry exceeds maximum data length.

  3 Entry not found.

  4 Wrong version.

  5 Wrong list authority.

  6 Limit number of entries in list reached.

  7 No space left in structure.

All of these conditions can also occur in normal processing. This message is only issued if the condition occurs in a case where it should not occur, or when the normal retry action following the condition cannot be performed.

System Action: The command is ignored.

User Response: This indicates that some data in the pool has become inconsistent or corrupted. There is no known way that this can happen unless a program other than the coupling facility data table server is used to access the pool. If this error occurs for attempts to modify a particular table, it may be necessary to delete the table to clear up the problem. If it occurs for other control information, it may be necessary to recreate the pool.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHCFOC

DFHCF0334 Table *table* status could not be modified, CF access error.

Explanation: During processing of a coupling facility data table server **SET TABLE** command, an unexpected error response was received. This message is preceded by message DFHCF0441 giving the details of the coupling facility access error.

System Action: The command is ignored.

User Response: Check the system log for a preceding DFHCF0441 message and see the explanation of that message.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHCFOC

DFHCF0335I Table *table* is now marked as available.

Explanation: The state of the specified table has been changed from unavailable to available in response to a coupling facility data table server **SET TABLE** command with the option **AVAILABLE=YES**.

System Action: Processing continues. New OPEN requests for the table will now be allowed.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHCFOC

DFHCF0336I Table *table* is now marked as unavailable.

Explanation: The state of the specified table has been changed from available to unavailable in response to a coupling facility data table server **SET TABLE** command with the option **AVAILABLE=NO**.

System Action: Processing continues. New OPEN requests for the table will be rejected with an indication that the table is unavailable.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHCFOC

DFHCF0337I Table *table* was already marked as available.

Explanation: This is a response to the coupling facility data table server **SET TABLE** command with the parameter **AVAILABLE=YES** when the table is already marked as available.

System Action: Processing continues.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHCFOC

DFHCF0338I Table *table* was already marked as unavailable.

Explanation: This is a response to the coupling facility data table server **SET TABLE** command with the parameter **AVAILABLE=NO** when the table is already marked as unavailable.

System Action: Processing continues.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHCFOC

DFHCF0341I Server request statistics for table *table*:

Explanation: This message gives table access statistics for the current coupling facility data table server, listing the total number of requests of each type handled since the previous statistics reset. It is issued in response to a **DISPLAY** or **PRINT** command which includes the **TABLESTATS** parameter, and may also be produced on the SYSPRINT file during interval statistics if the statistics options include print file output. Note that this message is suppressed if all statistics are zero.

The detailed message layout is as follows:

```
Table:        Open     Close  Set Attr    Delete     Stats
                 n         n         n         n         n
Record:      Point   Highest      Read  Read Del    Unlock
                 n         n         n         n         n
              Load     Write   Rewrite    Delete  Del Mult
                 n         n         n         n         n
```

System Action: Processing continues.

User Response: The statistics are described in detail in the DFHCFS7D data area. The individual fields have the following meanings:

- Table requests:
  - **Open** Number of successful OPEN requests for the table
  - **Close** Number of successful CLOSE requests for the table
  - **Set Attr** Number of times new table status was set
  - **Delete** Number of times the table of that name was deleted
  - **Extract** Number of times table access statistics were extracted
- Record requests:
  - **Point** Number of POINT requests
  - **Highest** Number of requests for current highest key
  - **Read** Number of READ requests (including those for UPDATE)
  - **Read Del** Number of combined READ and DELETE requests
  - **Unlock** Number of UNLOCK requests
  - **Loads** Number of records written by initial load requests
  - **Write** Number of WRITE requests for new records
  - **Rewrite** Number of REWRITE requests
  - **Delete** Number of DELETE requests
  - **Del Mult** Number of multiple (generic) delete requests

The coupling facility architecture supports some options and types of request such as combined READ and DELETE which are not currently supported by CICS File Control, but the server supports them for completeness. Server request counts for such options and request types are always zero.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHCFCN

DFHCF0342I Server request statistics for all tables:

Explanation: This message gives overall request statistics for the current coupling facility data table server, listing the total number of requests of each type handled since the previous statistics reset. It is issued in response to a **DISPLAY** or **PRINT** command which includes the **TABLESTATS** parameter, and may also be produced on the SYSPRINT file during interval statistics if the statistics options include print file output.

The detailed message layout is as follows:

```
Table:        Open     Close  Set Attr    Delete     Stats   Inquire
                 n         n         n         n         n         n
Record:      Point   Highest      Read  Read Del    Unlock
                 n         n         n         n         n
              Load     Write   Rewrite    Delete  Del Mult
                 n         n         n         n         n
UOW:       Prepare    Retain    Commit   Backout   Inquire   Restart
                 n         n         n         n         n         n
```

System Action: Processing continues.

User Response: The statistics are described in detail in the DFHCFS8D data area. The individual fields have the following meanings:

- Table requests:
  - **Open** Number of successful OPEN requests for the table
  - **Close** Number of successful CLOSE requests for the table
  - **Set Attr** Number of times new table status was set
  - **Delete** Number of times the table of that name was deleted
  - **Extract** Number of times table access statistics were extracted
  - **Inquire** Number of inquire table requests
- Record requests:
  - **Point** Number of POINT requests
  - **Highest** Number of requests for current highest key
  - **Read** Number of READ requests (including those for UPDATE)
  - **Read Del** Number of combined READ and DELETE requests
  - **Unlock** Number of UNLOCK requests
  - **Loads** Number of records written by initial load requests
  - **Write** Number of WRITE requests for new records
  - **Rewrite** Number of REWRITE requests
  - **Delete** Number of DELETE requests
  - **Del Mult** Number of multiple (generic) delete requests
- UOW requests:
  - **Prepare** Number of units of work prepared
  - **Retain** Number of units of work whose locks were retained
  - **Commit** Number of units of work committed

Backout Number of units of work backed out

Inquire Number of unit of work inquire requests

Restart Number of times recoverable connections were restarted

The coupling facility architecture supports some options and types of request such as combined READ and DELETE which are not currently supported by CICS File Control, but the server supports them for completeness. Server request counts for such options and request types are always zero.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHCFCN

DFHCF0343I The number of recently accessed tables matching *table* is *number*.

Explanation: This gives the number of tables matching the specified name expression which were accessed via this coupling facility data table server within the current statistics interval. This is shown at the end of the response to a **DISPLAY TABLESTATS=***name* command, following any DFHCF0341I messages for matching tables and a DFHCF0342I message if all tables were selected.

System Action: Processing continues.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHCFCN

DFHCF0351I Connection: Job *jobname* Applid *applid* Idle *idletime*

Explanation: This describes a single connection from a CICS region to the coupling facility data table server, in response to the server command **DISPLAY CONNECTIONS** or **PRINT CONNECTIONS**. The information shows the job name, the generic APPLID and the time in hours, minutes and seconds since the most recent table request or inquire call was issued using the connection.

System Action: A message in this form is issued for each active connection to the current server, then message DFHCF0352I is issued to show the total number of active connections.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHCFCN

DFHCF0352I Total connections to this server: *connections*.

Explanation: This describes the total number of active connections from CICS regions to the coupling facility data table server, in response to the server command **DISPLAY CONNECTIONS** or **PRINT CONNECTIONS**.

System Action: Processing continues.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHCFCN

DFHCF0361I Table names: *table1 table2 table3 table4 table5*

Explanation: This message lists up to five table names in response to the coupling facility data table server command **DISPLAY TABLES** or **PRINT TABLES**.

System Action: This message is issued as many times as is necessary to list all current table names, then message DFHCF0362I is issued to show the total number of tables.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHCFIQ

DFHCF0362I The total number of tables in the pool is *tables*.

Explanation: This describes the total number of tables within the the pool, in response to the coupling facility data table server command **DISPLAY** (or **PRINT**) **TABLES** or **TABLEUSERS**.

System Action: Processing continues.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHCFIQ

DFHCF0363I Details for table *table*:

Explanation: This message shows table details in response to the coupling facility data table server command **DISPLAY TABLE=***name* or **PRINT TABLE=***name*.

The detailed message layout is as follows:

```
Attributes:   Recsize  Keylength   Max recs  Upd Model  Init Load
                     n          n          n          x          x
Status:     Available  Open mode     Access    Sharing     Loaded
                     x          x          x          x          x
Statistics:     Users    Servers      Opens    Records
                     n          n          n          n
```

System Action: Processing continues.

User Response: The individual fields have the following meanings:

- Attributes:

  Recsize Record size specified when table was created.

  Keylength Key length specified when table was created.

  Max recs Indicates the current limit value if any which has been set on the number of records in the table, or 'NO' if there is no current limit value.

  Upd model Indicates the update model being used: 'CONT' or 'CONT+' for the contention model, 'LOCK' for the non-recoverable locking model or 'RECOV' for the recoverable locking model. For a contention model table where the maximum record size is 63 or less, this usually shows 'CONT+', which indicates that access has been further optimized by storing the record data in the coupling facility entry adjunct area, instead of using separate data elements.

  Init Load Indicates whether initial load was required: 'YES' or 'NO'.

- Status:

  Available Indicates whether new opens are currently allowed: 'YES' or 'NO'.

  Open mode Indicates whether the table is open for read/write access, open for read-only access or not open: 'R/W', 'R/O' or 'NONE'.

  Access Indicates whether the table is currently open for exclusive access, or otherwise indicates shared: 'EXCL' or 'SHR'.

  Sharing Indicates what level of shared access is currently allowed for the table, 'R/W', 'R/O' or 'NONE'.

  Loaded Indicates 'YES' if the table has been loaded or if loading is not required, otherwise 'NO'.

- Statistics

  Users Indicates the current number of users of this table, which is normally the number of CICS regions that currently have it open. It is also possible for a CICS region to have the same table open more than once at a time using different file names.

  Servers Indicates the number of server regions that currently have the table open internally for recoverable access. For a non-recoverable table this is zero. For a recoverable table, this is normally the same as the number of CICS regions which have currently have the table open, but when there are unresolved recoverable changes a server may have the table open internally even when the CICS region has not explicitly opened it, or has explicitly closed it.

  Opens Indicates the total number of opens issued for this table since it was created.

  Records Indicates the current number of records in the table.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHCFIQ

DFHCF0364 No table was found matching *table***.**

Explanation: A table name specified on the coupling facility data table server command **DISPLAY** (or **PRINT**) **TABLE=***name* or **TABLEUSERS=***name* did not match any existing table in the pool.

System Action: The command is ignored.

User Response: Ensure that the table name was entered correctly, and that the command was addressed to the correct pool server.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHCFIQ

DFHCF0365I The number of tables in the pool matching *table* **is** *tables***.**

Explanation: This indicates the number of matching tables within the pool for which information was displayed in response to the coupling facility data table server command **DISPLAY** (or **PRINT**) **TABLES=***name* or **TABLEUSERS=***name* where the table name contained one or more wild card characters.

System Action: Processing continues.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHCFIQ

DFHCF0366I Table *table* **users:** *region1 region2 region3 region4*

Explanation: This message lists the names (normally the CICS APPLIDs) of up to four regions which are currently using the named coupling facility data table, in response to the coupling facility data table server command **DISPLAY** (or **PRINT**) **TABLEUSERS**. A region is considered to be using a table if it has one or more files open for the table, or if it has one or more unresolved units of work which have made recoverable updates to the table.

System Action: This message is issued as many times as is necessary to list all regions which are currently using the table (sorted by name). If one of the regions was in the process of loading the table, message DFHCF0367I is issued to identify that region. Finally, message DFHCF0368I is issued to show the total number of users.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHCFIQ

DFHCF0367I Table *table* **is being loaded by region** *region***.**

Explanation: If a table specified on the coupling facility data table server command **DISPLAY** (or **PRINT**) **TABLEUSERS** is currently open for loading, this message is issued to identify the name (normally the CICS APPLID) of the region which is loading it. This name also appears in the list of regions using the table.

System Action: Processing continues.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHCFIQ

DFHCF0368I The number of regions using table *table* **is** *users***.**

Explanation: This indicates the total number of regions which are currently using the table specified on the coupling facility data table server command **DISPLAY** (or **PRINT**) **TABLEUSERS**.

System Action: Processing continues.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHCFIQ

DFHCF0371I Table *table* **has now been deleted.**

Explanation: The specified table was successfully deleted in response to a coupling facility data table server **DELETE TABLE=***name* command.

System Action: Processing continues.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHCFOC

DFHCF0372I Table *table* **was not found.**

Explanation: The table specified on a coupling facility data table server **DELETE TABLE=***name* command was not found in the pool.

System Action: The command is ignored.

User Response: Ensure that the table name was entered correctly, and that the command was addressed to the correct pool server.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHCFOC

DFHCF0373I Table *table* **cannot be deleted because it is in use.**

Explanation: The table specified on a coupling facility data table server **DELETE TABLE=***name* command is currently open for access, so it cannot be deleted.

System Action: The command is ignored.

User Response: Check that the correct table name was entered. Ensure that the table is closed from all regions which are no longer using it. The server command **DISPLAY TABLE=***name* can be used to determine how many users currently have the table open, or whether one or more servers have it open for recoverable access.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHCFOC

DFHCF0374 Table *table* **could not be deleted, CF access error.**

Explanation: During processing of a coupling facility data table server **DELETE TABLE=***name* command, an unexpected error response was received. This message is preceded by message DFHCF0441 giving the details of the coupling facility access error.

System Action: The command is ignored.

User Response: Check the system log for a preceding DFHCF0441 message and see the explanation of that message.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHCFOC

DFHCF0381I APPLID *applid* **is connected on** *system***.**

Explanation: This message is issued in response to a successful coupling facility data table server **DISPLAY APPLID** command. This is issued for each recoverable connection matching the given APPLID name or pattern, or for all recoverable connections if no APPLID value was given.

System Action: Processing continues.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHCFSP

DFHCF0382I APPLID *applid* **is not currently connected.**

Explanation: This message is issued in response to a coupling facility data table server **DISPLAY APPLID** command for a single APPLID when the given APPLID does not match any active recoverable connection.

System Action: Processing continues.

User Response: Check that the correct APPLID was entered.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHCFSP

DFHCF0383I APPLID *applid* **total connections:** *applids***.**

Explanation: This message is issued at the end of the responses to a coupling facility data table server **DISPLAY APPLIDs** command to summarize the total number of connections listed. The total is zero if no matching connections were found.

System Action: Processing continues.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHCFSP

DFHCF0384I APPLID *applid* **UOW status:** *indoubts* **in doubt,** *commits* **in commit,** *backouts* **in backout, active on** *system*

Explanation: This message is issued in response to a coupling facility data table server **DISPLAY UOWID** command where the APPLID identifies a CICS region that has an active recoverable connection to the pool on the indicated MVS system. If UOWID details were requested, this message follows the details for the individual units of work. The *indoubts* count represents units of works which have been prepared for commit but have not yet been scheduled to be committed or backed out. The *commits* count represents units of work for which commit processing is in progress. The *backouts* count represents units of work for which backout processing is in progress.

System Action: Processing continues.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHCFSP

DFHCF0385I APPLID *applid* **UOW status:** *indoubts* **in doubt,** *commits* **in commit,** *backouts* **in backout, not active**

Explanation: This message is issued in response to a coupling facility data table server **DISPLAY UOWID** command for an APPLID which identifies a CICS region that previously established a recoverable connection to the pool and has recoverable work pending, but is not currently connected to the pool. If UOWID details were requested, this message follows the details for the individual units of work. The *indoubts* count represents units of work which have been prepared for commit but have not been scheduled to be committed nor backed out. These will normally be resolved by resynchronization processing when the connection is restarted. The *commits* count represents units of work for which commit processing has been started, and will be completed when the connection is restarted. The *backouts* count represents units of work for which backout processing has been started, and will be completed when the connection is restarted.

System Action: Processing continues.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHCFSP

DFHCF0386I UOWID *applid.uowid* **is in doubt.**

Explanation: This message is issued in response to a coupling facility data table server **DISPLAY UOWID** command. The unit of work has been prepared for commit, but has been neither committed nor backed out. If the APPLID is currently inactive, the state will normally be resolved by resynchronization processing the next time it is restarted.

System Action: Processing continues.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHCFSP

DFHCF0387I UOWID *applid.uowid* **is being committed.**

Explanation: This message is issued in response to a coupling facility data table server **DISPLAY UOWID** command. The unit of work has started the commit process. If the APPLID is currently inactive, the commit process will be completed the next time it is restarted.

System Action: Processing continues.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHCFSP

DFHCF0388I UOWID *applid.uowid* **is being backed out.**

Explanation: This message is issued in response to a coupling facility data table server **DISPLAY UOWID** command. The unit of work has started to be backed out. If the APPLID is currently inactive, the backout process will be completed the next time it is restarted.

System Action: Processing continues.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHCFSP

DFHCF0389 UOWID *applid.uowid* **was not found.**

Explanation: This message is issued in response to a coupling facility data table server **DISPLAY UOWID** command.

System Action: Processing continues.

User Response: Check that the correct UOWID was entered.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHCFSP

DFHCF0390I UOWID *applid.uowid* **total matching entries:** *uowids*

Explanation: This message is issued at the end of the responses to a coupling facility data table server **DISPLAY UOWIDs** command to summarize the total number of units of work listed. The total is zero if no matching units of work were found.

System Action: Processing continues.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHCFSP

DFHCF0391 APPLID *applid* **does not have any unresolved units of work.**

Explanation: This message is issued in response to a coupling facility data table server **SET** command which attempted to modify the recovery status for the given APPLID. There are no unresolved units of work in the pool which match the given APPLID.

System Action: The requested function is ignored.

User Response: Check that the correct APPLID was entered.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHCFSP

DFHCF0392 APPLID *applid* **recovery status cannot be modified while it is connected.**

Explanation: This message is issued in response to a coupling facility data table server **SET** command which attempted to modify recovery status for the given APPLID. This is not possible if the APPLID is already connected to the pool, on this server or another server.

System Action: The requested function is ignored.

User Response: Check whether the correct APPLID was entered.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHCFSP

DFHCF0393 APPLID *applid* **recovery status cannot be modified because connection restart failed with reason code** *reason***.**

Explanation: This message is issued in response to a coupling facility data table server **SET** command which attempted to modify recovery status for the given APPLID. The attempt failed because the server was unable to establish a recoverable connection on behalf of that APPLID. The reason code from the failing internal FCCU RESTART function is included.

System Action: The requested function is ignored.

User Response: See the server trace file and job log for further details about the failure.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHCFSP

DFHCF0394 UOWID *applid.uowid* **is not in doubt.**

Explanation: This message is issued in response to a coupling facility data table server **SET** command which attempted to modify the recovery status of a specific unit of work. The APPLID had one or more unresolved units of work and was successfully restarted, but the UOWID did not match any in-doubt unit of work owned by that APPLID after restart completed. Note that if the unit of work was previously in the process of being committed or backed out, restart processing will have resolved it.

System Action: The requested function is ignored. A further message will appear indicating whether any units of work remain unresolved after the successful restart.

User Response: Check that the correct APPLID and UOWID were entered.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHCFSP

DFHCF0395I APPLID *applid* **now has no unresolved units of work.**

Explanation: This message is issued in response to a successful coupling facility data table server **SET** command to perform restart processing. All units of work associated with the APPLID were resolved by restart processing (which means that they must have been in commit or backout processing).

System Action: Processing continues.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHCFSP

DFHCF0396I APPLID *applid* **units of work remaining in doubt:** *indoubts***.**

Explanation: This message is issued in response to a successful coupling facility data table server **SET** command to perform restart processing. One or more units of work remain in doubt.

System Action: Processing continues.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHCFSP

DFHCF0397I APPLID *applid* **units of work now committed:** *commits***.**

Explanation: This message is issued in response to a successful coupling facility data table server **SET** command which committed one or more units of work.

System Action: Processing continues.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHCFSP

DFHCF0398I APPLID *applid* **units of work now backed out:** *backouts***.**

Explanation: This message is issued in response to a successful coupling facility data table server **SET** command which backed out one or more units of work.

System Action: Processing continues.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHCFSP

DFHCF0399 UOWID *applid.uowid* **syncpoint failed, reason code** *reason***.**

Explanation: This message is issued in response to a coupling facility data table server **SET** command which attempted to commit or backout the given UOWID but failed. The reason code from the failing internal FCCU COMMIT or BACKOUT function is included.

System Action: The requested function is ignored.

User Response: See the server trace file and job log for further details about the failure.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHCFSP

DFHCF0401I Connected to CF structure *strname***.**

Explanation: The coupling facility data table server has successfully established a connection to the coupling facility list structure for the table pool, using the IXLCONN macro.

System Action: Processing continues.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHCFCF

DFHCF0402I CF structure *strname* **was allocated by this connection.**

Explanation: The coupling facility data table pool list structure did not previously exist and was allocated as part of the connection process.

System Action: List structure initialization will be performed if necessary.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHCFCF

DFHCF0403 Connection to CF structure *strname* **failed, IXLCONN return code** *retcode***, reason code** *rsncode***.**

Explanation: The IXLCONN macro to connect the coupling facility data table server to its pool list structure failed.

System Action: The coupling facility data table server is terminated.

User Response: See the documentation of the IXLCONN macro in *OS/390 MVS Programming: Sysplex Services Reference* (GC28-1772) for the explanation of the return and reason code. If the reason code is of the form `xxxx0C08`, indicating structure allocation failure, this message will be followed by message DFHCF0409 giving the facility reason code for each coupling facility in which allocation was attempted.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHCFCF

DFHCF0404 CF structure *strname* **cannot be used because it has been allocated with attribute** *attribute***.**

Explanation: The coupling facility data table server has successfully connected to its pool list structure but has found that the structure has been allocated using an IXLCONN structure attribute keyword which is not supported by the server.

System Action: The server is terminated.

User Response: This probably indicates that the structure has been allocated or modified by some program other than the coupling facility data table server program. In this case, the incorrect structure should be deleted (using the MVS **SETXCF FORCE** command) so that it will be reallocated correctly when the server is restarted.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHCFCF

DFHCF0405 CF structure *strname* **element size** *elemsize* **is incorrect. It should be a power of 2 in the range 256 to 4096.**

Explanation: The list structure element size specified in the **ELEMSIZE** initialization parameter for the coupling facility data table server is not a power of two, or is outside the range supported by the coupling facility interface.

System Action: The server is terminated (without attempting to connect to the list structure).

User Response: Correct the **ELEMSIZE** parameter and restart the server.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHCFCF

DFHCF0406 Initialization failed for CF structure *strname* **with response** *response***.**

Explanation: Coupling facility data table server processing to initialize the pool list structure failed with an abnormal internal response code.

System Action: The server is terminated.

User Response: If the response code is 8 (I/O error), it indicates that an IXLLIST macro gave an abnormal return code, in which case a previous DFHCF0441 message will have been issued giving the IXLLIST return code and reason code. If this response code is any other value, this indicates that the list structure is in a state which should not occur, probably indicating that it was allocated or modified by a program other than the coupling facility data table server. In this case the structure may need to be deleted (using the MVS **SETXCF FORCE** command) so that it will be reallocated when the server is restarted.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHCFCF

DFHCF0407 CF structure *strname* is not available for shared use.

Explanation: The coupling facility data table pool is currently locked for exclusive use by some other job such as a pool unload or reload job. (This serialization uses an MVS ENQ with scope SYSTEMS, major name 'SYSZDFH' and minor name equal to the structure name, 'DFHCFLS_poolname').

System Action: The server is terminated.

User Response: Check whether a pool maintenance job is currently running. If it is, wait until it has finished before trying to start the server again. You can find out what jobs are currently using the pool using this MVS command:

```
DISPLAY GRS,RES=(SYSZDFH,'DFHCFLS_poolname')
```

Note that for this command the pool name must be exactly eight characters, padded with trailing spaces if necessary.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHCFCF

DFHCF0408 CF structure *strname* is not available for exclusive use.

Explanation: The current coupling facility data table unload or reload job requires exclusive use of the pool, but some other job is running which already has shared or exclusive use of the pool. (This serialization uses an MVS ENQ with scope SYSTEMS, major name 'SYSZDFH' and minor name equal to the structure name, 'DFHCFLS_poolname').

System Action: The server is terminated.

User Response: Check whether a coupling facility data table server or maintenance job is currently running. If it is, wait until it has finished before trying to run the current job again. You can find out what jobs are currently using the pool using this MVS command:

```
DISPLAY GRS,RES=(SYSZDFH,'DFHCFLS_poolname')
```

Note that for this command the pool name must be exactly eight characters, padded with trailing spaces if necessary.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHCFCF

DFHCF0409 CF structure *strname* could not be allocated in facility *cfname*, reason code *rsncode*.

Explanation: If a previous coupling facility data table server message DFHCF0403 indicated an IXLCONN failure because the structure could not be allocated, this message is issued for each coupling facility in which allocation was attempted to show the facility reason code indicating why structure allocation failed. If the reason code is known to the server, the name of the reason code is given (as defined in the MVS macro IXLYCONA, but without the 'ConaRsn' prefix), otherwise its decimal value is shown.

If the response indicates InvalidStructureSize, this means that the initial list structure size (specified on the server **POOLSIZE** parameter or in the CFRM policy **INITSIZE** parameter) is not large enough to contain the required structure control information. The size of the control information is affected by the number of list headers (determined by the server **MAXTABLES** parameter) and by the maximum structure size specified in the CFRM policy.

System Action: The server is terminated.

User Response: If further details are required, see the descriptions of the reason codes in the source of the MVS macro IXLYCONA which maps the connect answer area.

If the response was InvalidStructureSize, increase the initial structure size specification in the server **POOLSIZE** parameter or the CFRM policy **INITSIZE** parameter to ensure that there is enough space for data in addition to the structure control information. Also, check that the server **MAXTABLES** parameter and the maximum structure size specified in the CFRM policy are not unnecessarily large. See the CICS *System Definition Guide* for more information on how to estimate pool sizes.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHCFCF

DFHCF0410 CF structure *strname* cannot be used, coupling facility maintenance level is too low.

Explanation: Initialization test routines executed against the allocated list structure gave incorrect results, indicating that the coupling facility control code does not include all maintenance necessary to support coupling facility data tables.

System Action: The server is terminated.

User Response: Ensure that the required level of coupling facility maintenance is applied.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHCFCF

DFHCF0411I CF structure *strname* now has *percentage*% of entries in use.

Explanation: This message is issued by the coupling facility data table server when the percentage of list entries in use within the list structure increases past certain set threshold levels, or when it decreases past a threshold level after previously being at a higher level. This message is also issued immediately after a structure alter request has completed in order to show how the percentage has been affected by changes in the structure size or entry to element ratio. The percentage is calculated using information that is returned by successful coupling facility access requests, so if the message was triggered by structure alter completion and the current server has not processed any successful requests recently, the information may not be accurate.

System Action: The warning threshold is increased to the next higher level (normally 5% higher if less than 95%, otherwise 1% higher), or decreased to the previous lower level depending on whether the usage is increasing or decreasing. If the structure usage is increasing and the structure element to entry ratio is not making full use of the available space, the server may issue an automatic IXLALTER request to adjust the ratio.

User Response: Note that the structure may soon become full, preventing tables from being created. If the structure is currently allocated at less than its maximum size and the coupling facility has enough free space, the size of the structure can be increased dynamically using the MVS **SETXCF** command with the **START,ALTER** option, and any active servers will be able to use the increased space immediately.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHCFCF

DFHCF0412I CF structure *strname* now has *percentage*% of elements in use.

Explanation: This message is issued by the coupling facility data table server when the percentage of list data elements in use within the list structure increases past certain set threshold levels, or when it decreases past a threshold level after previously being at a higher level. This message is also issued immediately after a structure alter request has completed in order to show how the percentage has been affected by changes in the structure size or entry to element ratio. The percentage is calculated using information that is returned by successful coupling facility access requests, so if the message was triggered by structure alter completion and the current server has not processed any successful requests recently, the information may not be accurate.

System Action: The warning threshold is increased to the next higher level (normally 5% higher if less than 95%, otherwise 1% higher), or decreased to the previous lower level depending on whether the usage is increasing or decreasing. If the structure usage is increasing and the structure element to entry ratio is not making full use of the available space, the server may issue an automatic IXLALTER request to adjust the ratio.

User Response: Note that the structure may soon become full, preventing tables from being created. If the structure is currently allocated at less than its maximum size and the coupling facility has enough free space, the size of the structure can be altered dynamically using the MVS **SETXCF** command with the **START,ALTER** option, and any active servers will be able to use the increased space immediately.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHCFCF

DFHCF0413I Issuing alter request to adjust CF structure *strname* entry/element ratio to *entries*/*elements*.

Explanation: The coupling facility data table server has determined that the ratio of free entries to free elements is significantly different from the ratio of entries to elements actually in use. It is issuing an IXLALTER macro to request the coupling facility to adjust the ratio to make better use of the coupling facility storage.

System Action: The server continues by issuing the IXLALTER macro. A further message will be issued when the structure alter request is accepted or rejected by MVS.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHCFCF

DFHCF0414I Alter request successfully started for CF structure *strname*.

Explanation: The coupling facility data table server has successfully started a structure alter request to change the entry to element ratio for the list structure.

System Action: The server event exit will be notified by MVS when the structure alter request completes and a further message will then be issued.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHCFCF

DFHCF0415I Alter request rejected for CF structure *strname*, another alter request for this structure is already active.

Explanation: The coupling facility data table server attempted to start a structure alter request using IXLALTER to change the entry to element ratio for the list structure, but this was rejected by the system because another structure alter request was already active.

System Action: The server event exit will be notified by MVS when the structure alter request completes and a further message will then be issued.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHCFCF

DFHCF0416 Alter request failed for CF structure *strname*, IXLALTER return code *retcode*, reason code *rsncode*.

Explanation: The coupling facility data table server attempted to start a structure alter request to change the entry to element ratio for the list structure, but this was rejected by the system with an unexpected return code.

System Action: The current structure alter attempt is abandoned. Another attempt may be made when the minimum alter interval has expired.

User Response: See the documentation of the IXLALTER macro in *OS/390 MVS Programming: Sysplex Services Reference* (GC28-1772) for the explanation of the return and reason code.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHCFCF

DFHCF0417I Alter request completed normally for CF structure *strname*.

Explanation: The coupling facility data table server has been notified by the system that a structure alter request has completed normally.

System Action: New values for the structure size and numbers of elements and entries are stored. This message is followed by messages DFHCF0411 and DFHCF0412 to indicate the new usage percentages.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHCFCF

DFHCF0418I Alter request ended abnormally for CF structure *strname* with status *status*.

Explanation: The coupling facility data table server has been notified by the system that a structure alter request has ended abnormally. The two bytes of status information in this message are taken from EEPLALTERENDSTATEFLAGS in the event exit parameter list (defined in the MVS macro IXLYEEPL).

System Action: No action is taken as a result of this notification, but any problem which caused the alter request to fail may result in other related problems.

User Response: If further information is required, look for MVS messages on the system log indicating the reason for the structure alter request failure. For further information about the status flags, see the source of the MVS macro IXLYEEPL.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHCFCF

DFHCF0419I Alter request ended normally for CF structure *strname* but target was not attained.

Explanation: The coupling facility data table server has been notified by the system that a structure alter request has ended normally but that the target ratio or target size was not attained.

System Action: New values for the structure size and numbers of elements and entries are stored. This message is followed by messages DFHCF0411 and DFHCF0412 to indicate the new usage percentages.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHCFCF

DFHCF0424 Connectivity has been lost to CF structure *strname*. The CF data table server cannot continue.

Explanation: The coupling facility data table server has been notified by the system that connectivity has been lost to the coupling facility containing the pool list structure.

System Action: The server issues an internal **CANCEL** command to terminate itself immediately.

User Response: Restart the server when connectivity to the coupling facility from the current system has been reestablished. If connectivity is still available from other systems, CICS transactions which require access to the affected pool should be diverted to those systems if possible.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHCFCF

DFHCF0425 CF structure *strname* has failed. The CF data table server cannot continue.

Explanation: The coupling facility data table server has been notified by the system that the pool list structure has been lost due to coupling facility structure failure. All tables and data records in the pool have been lost.

System Action: Each server for the affected pool issues an internal **CANCEL** command to terminate itself immediately.

User Response: If another coupling facility is available and is included in the CFRM preference list for the failed structure, restart the servers to cause a fresh copy of the list structure to be allocated on the alternate coupling facility. If no other coupling facility is available, wait until the original coupling facility has been made available again before restarting the servers.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHCFCF

DFHCF0431I Access statistics for CF structure *strname*:

Explanation: This message gives a summary of coupling facility access statistics. It is issued in response to a coupling facility data table server **DISPLAY** or **PRINT** command which includes the **CFSTATS** parameter, and may also be produced on the SYSPRINT file during interval statistics if the statistics options include print file output.

The detailed message layout is as follows:

```
Requests:              Reads    Writes  Rewrites   Deletes
 Table data records        n         n         n         n
 Data list controls        n         n         n         n
 Table index list          n         n         n         n
 UOW index list            n         n         n         n
 APPLID index list         n         n         n         n
 Lock release msgs         n         n
Responses:  Asynch    Normal   Len err   Not fnd  Vers chk
                n         n         n         n         n
                   List chk List full  Str full   I/O err
                          n         n         n         n
```

System Action: Processing continues.

User Response: The statistics are described in detail in the DFHCFS6D data area. The individual fields have the following meanings:

- Table data record request counts:
  - **Reads** Number of data entry reads.
  - **Writes** Number of data entry writes.
  - **Rewrites** Number of data entry rewrites.
  - **Deletes** Number of data entry deletes.
- Data list controls request counts:
  - **Reads** Number of reads to check list usage (open or inquire).
  - **Writes** Number of times a new data list was allocated.
  - **Rewrites** Number of times data list controls were modified.
  - **Deletes** Number of times a data list was deleted for reuse.
- Table index list request counts:
  - **Reads** Number of table index reads.
  - **Writes** Number of table index writes to create new tables.
  - **Rewrites** Number of table index writes to update table status.

Delete Number of table index deletes.

- Unit of work index list request counts:

  Reads Number of UOW list reads.

  Writes Number of UOW list writes (usually at PREPARE).

  Rewrites Number of UOW list rewrites (usually at COMMIT).

  Deletes Number of UOW list deletes (usually after COMMIT).

- Lock release notify message request counts:

  Reads Number of lock release messages read by this server.

  Writes Number of lock release messages sent by this server.

- Response counts:

  Asynch Number of requests for which completion was asynchronous.

  Normal Number of normal responses.

  Len error Entry data was larger than the input buffer length, which normally results in a retry with a larger buffer.

  Not fnd The specified entry (table or item) was not found.

  Vers chk A version check failed for an entry being updated, indicating that another task had updated it first.

  List chk A list authority comparison failed, usually meaning that the table is in the process of being deleted.

  List full A table reached the maximum number of items, causing the relevant list to be marked as full.

  Str full The list structure became full.

  I/O err Some other error code was returned by IXLLIST.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHCFCF

DFHCF0432I Table pool statistics for CF structure *strname***:**

Explanation: This message gives a summary of the usage statistics for the table pool list structure. It is issued in response to a coupling facility data table server **DISPLAY** or **PRINT** command which includes the **POOLSTATS** parameter, and may also be produced on the SYSPRINT file during interval statistics if the statistics options include print file output.

The detailed message layout is as follows:

```
Structure:    Size  Max size Elem size   Tables:   Current   Highest
                nK        nK         n                  n         n
Lists:       Total    In use  Max used   Control      Data
                 n         n         n         n         n
               100%        n%        n%        n%        n%
Entries:     Total    In use  Max used      Free  Min free   Reserve
                 n         n         n         n         n         n
               100%        n%        n%        n%        n%        n%
Elements:    Total    In use  Max used      Free  Min free   Reserve
                 n         n         n         n         n         n
               100%        n%        n%        n%        n%        n%
```

System Action: Processing continues.

User Response: The statistics are described in detail in the DFHCFS6D data area. Pool usage statistics are calculated from information returned by recent coupling facility requests, and are not always very accurate, especially if the relevant information has not been accessed recently by the current server. The number of tables and the number of lists are updated each time the server opens or closes a table, but are not reliably updated at other times. The element and entry counts are updated on successful completion of most types of coupling facility access request.

The individual fields have the following meanings:

- Structure:

  Size Current allocated size of the list structure.

  Max size Maximum size to which this structure could be altered.

  Elem size Data element size used for the structure.

- Tables:

  Current Number of tables currently in existence.

  Highest Highest number of tables at any time (since last reset).

- Lists:

  Total Maximum number of list headers in the structure.

  In Use Number currently in use.

  Max Used Maximum number in use (since last reset).

  Control Number of lists in use for control information.

  Data Number of lists in use for table data.

- Entries:

  Total Total entries in the currently allocated structure (initially set at structure connection time and updated on completion of any structure alter request).

  In Use Number of entries currently in use.

  Max Used Maximum number in use (since last reset).

  Free Number of entries currently free (total minus used).

  Min Free Minimum number of free entries (since last reset).

  Reserve Number of entries reserved for rewrites and server use.

- Elements:

  Total Total data elements in the currently allocated structure (initially set at structure connection time and updated on completion of any structure alter request).

  In Use Number of elements currently in use.

  Max Used Maximum number in use (since last reset).

  Free Number of elements currently free (total minus used).

  Min Free Minimum number of free elements (since last reset).

  Reserve Number of elements reserved for rewrites and server use.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHCFCF

DFHCF0441 CF structure *strname* **request failed, IXLLIST return code** *retcode***, reason code** *rsncode***.**

Explanation: A coupling facility access request issued by the coupling facility data table server using the IXLLIST macro gave an abnormal return code.

System Action: The failing request is given an I/O error indication, giving an IOERR condition if it originated from a CICS API request.

User Response: See the documentation of the IXLLIST macro in *OS/390 MVS Programming: Sysplex Services Reference* (GC28-1772) for the explanation of the return and reason code.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHCFCF

DFHCF0442 CF structure *strname* **request failed, structure is full.**

Explanation: A coupling facility access request issued by the coupling facility data table server using the IXLLIST macro failed because there are insufficient free entries or elements to store the new data in the structure.

System Action: The failing request is given a NOSPACE indication if it originated from a CICS API request. For reload processing, if an automatic structure alter is in progress, the request may be suspended until the outcome of the alter request is known, then retried. This message will not be issued again for further failures until the used numbers of elements and entries fall well below the warning threshold.

User Response: Any tables which are no longer in use should be deleted so that the space can be reused. If the structure is currently allocated at less than its maximum size and the coupling facility has enough free space, the size of the structure can be increased dynamically using the MVS **SETXCF** command with the **START,ALTER** option, and any active servers will be able to use the increased space immediately. However, if this action is possible it should normally have been taken in response to earlier warning message before the structure became full.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHCFCF

DFHCF0443 CF structure *strname* **request failed, all lists are in use.**

Explanation: A coupling facility access request issued by the coupling facility data table server using the IXLLIST macro failed because all list headers defined in the structure are now in use. The number of list headers is determined by the **MAXTABLES** server initialization parameter when the structure is allocated.

System Action: The failing request is given a NOSPACE indication if it originated from a CICS API request. This message will not be issued again for further failures while the shortage of list entries remains.

User Response: Any tables which are no longer in use should be deleted to free up data lists. As the number of lists is fixed when the structure is allocated, the only way to increase the number of lists is to unload the structure, use the MVS **SETXCF FORCE,STR** command to delete it then reload it with a larger **MAXTABLES** parameter.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHCFCF

DFHCF0444I CF request has been suspended to await structure alter completion.

Explanation: A coupling facility access request issued from the coupling facility data table server address space (during reload processing) ran out of space in the list structure, but an automatic structure alter attempt to free up more space is either already active or is being started at this point. The request is therefore being suspended to await the outcome of the structure alter attempt.

System Action: The request is suspended until the structure alter request completes (normally or abnormally), then message DFHCF0445I is issued and the request is retried.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHCFCF

DFHCF0445I CF request is being retried after structure alter completion.

Explanation: A coupling facility data table access request which was suspended to await the completion of a structure alter request is now being retried because the alter request has either completed or failed.

System Action: The suspended request will be restarted.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHCFCF

DFHCF0446 CF structure *strname* **free space is below reserve level. New records will be rejected.**

Explanation: The coupling facility data table server has detected that the number of free list entries or data elements in the pool structure has fallen below the reserve levels specified on the server parameters **ENTRYRESERVEMIN**, **ENTRYRESERVEPC**, **ELEMENTRESERVEMIN** and **ELEMENTRESERVEPC**.

System Action: Any request to create a new record or table in the pool will be rejected for as long as the amount of free space remains below the reserve levels. The failing request is given a NOSPACE indication if it originated from a CICS API request. If free space later increases beyond the reserve levels, requests will be allowed again, and when the amount of free space exceeds the reserve levels by a reasonable margin (based on the server **ENTRYWARNINC** and **ELEMENTWARNINC** parameters) message DFHCF0447 will be issued.

User Response: Use the server command **DISPLAY POOLSTATS** to obtain further information about the current pool usage. Any tables which are no longer in use should be deleted so that the space can be reused. If the structure is currently allocated at less than its maximum size and the coupling facility has enough free space, the size of the structure can be increased dynamically using the MVS **SETXCF** command with the **START,ALTER** option,

and any active servers will be able to use the increased space immediately. However, if this action is possible it should normally have been taken in response to earlier warning messages.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHCFCF

DFHCF0447 CF structure *strname* **free space is no longer below reserve level.**

Explanation: The coupling facility data table server issues this message after a recent shortage of free space caused message DFHCF0446 to be issued but the free space has now increased to beyond the reserve levels by a reasonable margin (based on the server **ENTRYWARNINC** and **ELEMENTWARNINC** parameters).

System Action: Processing continues.

User Response: Use the server command **DISPLAY POOLSTATS** to obtain further information about the current pool usage. Note that even if this message is produced, the structure may still be very short of space and further action may be necessary, as described for message DFHCF0446.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHCFCF

DFHCF0451 Purge for CF structure *strname* **failed, IXLPURGE return code** *retcode***, reason code** *rsncode***.**

Explanation: A coupling facility data table access request was terminated abnormally and the server issued an IXLPURGE macro to ensure any active IXLLIST request was purged before releasing the I/O buffer, but the IXLPURGE macro gave a non-zero return code.

System Action: The error is ignored because this only occurs when a request is already being terminated abnormally.

User Response: See the documentation of the IXLPURGE macro in *OS/390 MVS Programming: Sysplex Services Reference* (GC28-1772) for the explanation of the return and reason code.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHCFCF

DFHCF0461I Disconnected from CF structure *strname***.**

Explanation: The coupling facility data table server has successfully disconnected from the pool list structure (using the IXLDISC macro) during termination.

System Action: Processing continues.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHCFCF

DFHCF0462 Disconnect from CF structure *strname* **failed, IXLDISC return code** *retcode***, reason code** *rsncode***.**

Explanation: The IXLDISC macro to disconnect the coupling facility data table server from its pool list structure failed.

System Action: The error is ignored, as disconnection only occurs when the server is already terminating.

User Response: See the documentation of the IXLDISC macro in *OS/390 MVS Programming: Sysplex Services Reference* (GC28-1772) for the explanation of the return and reason code.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHCFCF

DFHCF0471 CF structure *strname* **already has the maximum of** *maxconn* **servers active.**

Explanation: An attempt was made to connect an additional coupling facility data table server to a pool list structure which already has the maximum number of active connections supported by the current version of the server. The coupling facility accepted the connection, but the server does not support this number of simultaneous connections to the pool, so the connection could not be used.

The server has been designed to support a fixed maximum number of connections per pool, which is the same as the maximum number of connections to a list structure supported by current coupling facility implementations, and the maximum number of systems in a sysplex. This means that if this message occurs, a level of coupling facility must be in use which supports more connections, and one or more of those connections must be in use by a program other than the coupling facility data table server, as the server only supports one connection per system within a sysplex.

System Action: The server is terminated.

User Response: Ensure that no programs other than the data table server are connected to the list structure.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHCFCF

DFHCF0501 External security manager was not found, table security cannot be supported.

Explanation: Table-specific security checks for coupling facility data table OPEN, SET and DELETE requests were requested in the server parameters or assumed by default, but the external security manager data areas needed by the server security interface (in particular the RCVT) were not found.

System Action: The server is terminated.

User Response: If these security checks are not required, specify **SECURITY=NO** in the server parameters, in which case each CICS region that is authorized to connect to the server will be able to open or delete any table in the pool. If table security checks are required, ensure that the external security manager is installed and active before starting the server.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHCFXS

DFHCF0502 External security manager is inactive, table security cannot be supported.

Explanation: Table-specific security checks for coupling facility data table OPEN, SET and DELETE requests were requested in the server parameters or assumed by default, but the external security manager is not active.

System Action: The server is terminated.

User Response: If these security checks are not required, specify **SECURITY=NO** in the server parameters, in which case each CICS region that is authorized to connect to the server will be able to open or delete any table in the pool. If table security checks are required, ensure that the external security manager is installed and active before starting the server.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHCFXS

DFHCF0503 External security manager does not support global in-storage profiles, table security cannot be supported.

Explanation: Table-specific security checks for coupling facility data table OPEN, SET and DELETE requests were requested in the server parameters or assumed by default, but the external security manager does not support the GLOBAL option for loading security profiles (known as global RACLIST), which is required in order to support cross-memory mode security checking.

System Action: The server is terminated.

User Response: If these security checks are not required, specify **SECURITY=NO** in the server parameters, in which case each CICS region that is authorized to connect to the server will be able to open or delete any table in the pool. If table security checks are required, it will be necessary to upgrade the external security manager to a level which supports global in-storage profiles.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHCFXS

DFHCF0504 External security manager does not support cross-memory mode, table security cannot be supported.

Explanation: Table-specific security checks for coupling facility data table OPEN, SET and DELETE requests were requested in the server parameters or assumed by default, but the external security manager does not support authorization (FASTAUTH) requests in cross-memory mode, which are required in order to perform table security checks.

System Action: The server is terminated.

User Response: If these security checks are not required, specify **SECURITY=NO** in the server parameters, in which case each CICS region that is authorized to connect to the server will be able to open or delete any table in the pool. If table security checks are required, it will be necessary to upgrade the external security manager to a level which supports cross-memory mode authorization requests.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHCFXS

DFHCF0505 RACROUTE REQUEST=EXTRACT gave R15=*rc*, SAFPRRET=*retcode*, SAFPRREA=*rsncode*.

Explanation: Table-specific security checks for coupling facility data table OPEN, SET and DELETE requests were requested in the server parameters or assumed by default, but the external security manager EXTRACT function used to obtain the userid during server initialization gave an unexpected non-zero return code. This message shows the RACROUTE register 15 return code and the external security manager return and reason codes returned in the SAF request parameter list.

System Action: The server is terminated with message DFHCF0506.

User Response: See the documentation of the RACROUTE macro with REQUEST=EXTRACT in *OS/390 Security Server External Security Interface (RACROUTE) Macro Reference* (GC28-1922) for the explanation of the return and reason codes.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHCFXS

DFHCF0506 Security EXTRACT function failed, table security cannot be supported.

Explanation: Table-specific security checks for coupling facility data table OPEN, SET and DELETE requests were requested in the server parameters or assumed by default, but the external security manager EXTRACT function issued to obtain the userid during server initialization gave an unexpected return code.

System Action: The server is terminated.

User Response: See the preceding message DFHCF0505 for the details of the reason for the failure. If these security checks are not required, specify **SECURITY=NO** in the server parameters, in which case each CICS region that is authorized to connect to the server will be able to open or delete any table in the pool.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHCFXS

DFHCF0507 RACROUTE REQUEST=LIST, ENVIR=CREATE, CLASS='*class*', GLOBAL=YES gave R15=*rc*, SAFPRRET=*retcode*, SAFPRREA=*rsncode*.

Explanation: Table-specific security checks for coupling facility data table OPEN, SET and DELETE requests were requested in the server parameters or assumed by default, but the external security manager LIST function to load the security profiles during server initialization gave an unexpected non-zero return code. This message shows the RACROUTE register 15 return code and the external security manager return and reason codes returned in the SAF request parameter list.

System Action: The server is terminated with message DFHCF0508.

User Response: See the documentation of the RACROUTE macro with REQUEST=LIST in *OS/390 Security Server External Security Interface (RACROUTE) Macro Reference* (GC28-1922) for the explanation of the return and reason codes.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHCFXS

DFHCF0508 Security LIST function failed, table security cannot be supported.

Explanation: Table-specific security checks for coupling facility data table OPEN, SET and DELETE requests were requested in the server parameters or assumed by default, but the external security manager LIST function issued to load the security profiles during server initialization gave an unexpected return code.

System Action: The server is terminated.

User Response: See the preceding message DFHCF0507 for the details of the reason for the failure. If these security checks are not required, specify **SECURITY=NO** in the server parameters, in which case each CICS region that is authorized to connect to the server will be able to open or delete any table in the pool.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHCFXS

DFHCF0511 Attempt to open table *table* was rejected because the external security manager is not available.

Explanation: The coupling facility data table server was attempting to perform a security check for whether the connected region was allowed to open that data table, but the external security manager was unexpectedly unavailable, even though it had been available at server initialization time.

System Action: The table open request is rejected.

User Response: Note that no further table open requests will succeed unless the external security manager is reactivated.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHCFXS

DFHCF0512 RACROUTE REQUEST=FASTAUTH for resource *resource* gave R15=*rc*, SAFPRRET=*retcode*, SAFPRREA=*rsncode*.

Explanation: A coupling facility data table OPEN, SET or DELETE security check gave a non-zero return code. This message indicates the resource name used for the check, the RACROUTE register 15 return code and the external security manager return and reason codes returned in the SAF request parameter list.

System Action: Access to the table is rejected with message DFHCF0513.

User Response: See the documentation of the RACROUTE macro with REQUEST=FASTAUTH in *OS/390 Security Server External Security Interface (RACROUTE) Macro Reference* (GC28-1922) for the explanation of the return and reason codes.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHCFXS

DFHCF0513 Attempt to open table *table* was rejected by the external security manager.

Explanation: A security check was performed by the coupling facility data table server to determine whether the connected region was allowed to open the named table, and the external security manager indicated that access was not allowed.

System Action: The table open request is rejected.

User Response: See the preceding message DFHCF0512 for the specific reason that access was rejected. Check that the correct table name was specified. Ensure that the client region is authorized to access the resource matching the table name (prefixed by the server region userid if **SECPRFX=YES** was specified) in the CICS file resource class (usually 'FCICSFCT').

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHCFXS

DFHCF0521 RACROUTE REQUEST=LIST, ENVIR=DELETE, CLASS='*class*' gave R15=*rc*, SAFPRRET=*retcode*, SAFPRREA=*rsncode*.

Explanation: The external security manager LIST function to unload the in-storage security profiles during coupling facility data table server termination gave an unexpected non-zero return code. This message shows the RACROUTE register 15 return code and the external security manager return and reason codes returned in the SAF request parameter list.

System Action: Server termination processing continues.

User Response: See the documentation of the RACROUTE macro with REQUEST=LIST in *OS/390 Security Server External Security Interface (RACROUTE) Macro Reference* (GC28-1922) for the explanation of the return and reason codes.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHCFXS

DFHCF0601I Starting statistics collection for interval since *lasttime*.

Explanation: The coupling facility data table server is about to collect interval, end of day or closedown statistics. This message identifies the start of the time interval to which the statistics apply, which is either the time that the server was started up or the time of the last reset, which occurs whenever interval or end of day statistics are produced.

System Action: The server proceeds with statistics collection.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCFST

DFHCF0602I Statistics collection completed, reset performed.

Explanation: Coupling facility data table server statistics have been collected and counters have been reset. This occurs for interval or end of day statistics.

System Action: Processing continues.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCFST

DFHCF0603I Statistics collection completed.

Explanation: Coupling facility data table server statistics have been collected but counters have not been reset. This normally occurs at server closedown.

System Action: Processing continues.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHCFST

DFHCF0604 Timer SET failed, return code *retcode***, reason code** *rsncode***.**

Explanation: The statistics subtask in the coupling facility data table server tried to set up a timer wait interval but failed.

System Action: The interval statistics function is terminated with message DFHCF0606.

User Response: Check the return code and reason code. A return code of 4 indicates an attempt to set up more than one concurrent timer interval, which indicates a logic error in the server. The reason code in this case is the MVS STIMERM identifier for the existing timer interval. A return code of 8 indicates that the MVS STIMERM macro failed, in which case the reason code indicates the return code received from STIMERM SET.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHCFST

DFHCF0605 Timer CANCEL failed, return code *retcode***, reason code** *rsncode***.**

Explanation: The statistics subtask in the coupling facility data table server tried to cancel a timer wait interval but failed.

System Action: The interval statistics function is terminated with message DFHCF0606.

User Response: Check the return code and reason code. A return code of 4 indicates an attempt to cancel a nonexistent timer interval, which indicates a logic error in the server. A return code of 8 indicates that the MVS STIMERM macro failed, in which case the reason code indicates the return code received from STIMERM CANCEL.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHCFST

DFHCF0606 Statistics collection function is no longer available.

Explanation: The statistics collection subtask in the coupling facility data table server was unable to continue processing and has terminated. The reason will have been indicated by an earlier message.

System Action: The interval statistics subtask terminates and no further interval statistics or end of day statistics will be produced for this run of the server.

User Response: See the earlier message indicating the reason for the termination of the subtask.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHCFST

DFHCF0610I Statistics written to SMF, return code was *retcode***.**

Explanation: Coupling facility data table server statistics have been sent to SMF. The return code from the SMFEWTM macro is indicated in this message. A non-zero return code usually indicates that SMF recording was suppressed because of current SMF options or an installation exit.

System Action: Processing continues.

User Response: If the return code is non-zero but SMF statistics were expected to be successfully written, see the documentation of the SMFEWTM macro in *OS/390 MVS System Management Facilities (SMF)* (GC28-1783) for more information about return codes.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCFST

DFHCF0651 Restart processing cannot open table *table***, reason code** *reason***.**

Explanation: An application region has attempted to restart its connection to the coupling facility data table server, but an unresolved unit of work for that region has updated a table which cannot be opened at present, so restart processing cannot be completed. This message only occurs if the table is still in existence; if it has been deleted, the updates are simply discarded. The reason code is from the file open routine in module DFHCFOC, and indicates why the file could not be opened. In the current implementation, there are no user functions which could prevent a file from being opened by restart, so this condition should not be possible.

System Action: Restart processing is terminated and recoverable tables cannot be accessed until it is successfully retried.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHCFSP

DFHCF0652 Pool state error, reason code *reason*, **processing** *function* **request for UOWID** *uowid*, **task** *task*, **region** *region*.

Explanation: Integrity checks during coupling facility data table server syncpoint or restart processing found that data or control information in the list structure was in a state that should not be possible in normal processing. The reason codes are based on the response codes returned by the internal coupling facility interface.

- Reason codes:

  2 Entry exceeds maximum data length.

  3 Entry not found.

  4 Wrong version.

  5 Wrong list authority.

  6 Limit number of entries in list reached.

  7 No space left in structure.

All of these conditions can also occur in normal processing. This message is only issued if the condition occurs in a case where it should not occur, or when the normal retry action following the condition cannot be performed. For example, a wrong version response from the coupling facility interface normally simply indicates that an entry has changed, causing the entry to be read again, and this is only treated as a pool state error if the data or control information in the changed entry is not consistent with the expected state of the record.

System Action: The current syncpoint or restart operation is terminated with a pool state error exception.

User Response: This indicates that some data in the pool has become inconsistent or corrupted. There is no known way that this can happen unless a program other than the coupling facility data table server is used to access the pool. If this error occurs for changes to a particular table, it may be necessary to delete the table to clear up the problem. If it occurs for other control information, it may be necessary to recreate the pool.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHCFSP

DFHCF0701I CF data table pool *poolname* **is to be unloaded.**

Explanation: The coupling facility data table server program has been started with the **UNLOAD** option requesting that the table pool is unloaded to a sequential data set.

System Action: The server starts to process the unload request. In this case, the rest of cross-memory server initialization is bypassed as it will not be needed.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHCFUL

DFHCF0702I CF data table pool *poolname* **has been successfully unloaded.**

Explanation: The coupling facility data table pool has been unloaded successfully.

System Action: The server closes down normally.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHCFUL

DFHCF0703I Number of unloaded tables: *tables*. **Blocks written:** *blocks*.

Explanation: This message provides additional information about the results of the coupling facility data table pool unload process, giving the number of tables which were unloaded and the number of 4K data blocks written to the unloaded table pool data set.

System Action: Server termination continues.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHCFUL

DFHCF0704 DFHCFUL data set for unload could not be opened.

Explanation: The data set to contain the unloaded coupling facility data table pool could not be opened.

System Action: Unload processing is terminated and the server is closed down with message DFHCF0706.

User Response: Check that the DFHCFUL DD statement is present in the JCL for the unload job.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHCFUL

DFHCF0705 Unload access to CF structure *strname* **failed with response** *response*.

Explanation: The coupling facility data table pool unload process failed because of a problem with coupling facility access.

System Action: Unload processing is terminated and the server is closed down with message DFHCF0706.

User Response: If the response code is 8, this indicates that an unexpected IXLLIST error occurred, for which a previous message DFHCF0441 will have been issued. Any other response code indicates an internal logic error.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHCFUL

DFHCF0706 Unload for CF data table pool *poolname* was unsuccessful.

Explanation: The coupling facility data table pool unload process failed. The reason will have been described in a previous message.

System Action: The server is terminated.

User Response: See the previous message giving the reason for the unload failure. Note that any unload data set produced in this case will be incomplete and will not be valid for reload purposes.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHCFUL

DFHCF0721 CF data table *table* has been successfully unloaded, *records* records.

Explanation: The named coupling facility data table has been unloaded. Note that if any recoverable updates were pending, the number of table entries unloaded may be slightly larger than the number of records, as the entry for the original record is retained until syncpoint in case it is needed for backout.

System Action: Unload processing continues.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCFUL

DFHCF0731 *uowids* units of work were unloaded for recoverable connection *applid*.

Explanation: One or more unresolved recoverable units of work were found for the specified recoverable connection identifier during coupling facility data table pool unload processing.

System Action: Unload processing will include the status of those units of work in the unloaded data, to allow them to be resolved after the pool is reloaded.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCFUL

DFHCF0801I CF data table pool *poolname* is to be reloaded.

Explanation: The coupling facility data table server program has been started with the **RELOAD** option requesting that the table pool is to be reloaded from a sequential data set produced using the **UNLOAD** option.

System Action: The server starts to process the reload request. In this case, the rest of cross-memory server initialization is bypassed as it will not be needed.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHCFRL

DFHCF0802I CF data table pool *poolname* has been successfully reloaded.

Explanation: The coupling facility data table pool has been reloaded successfully.

System Action: The server closes down normally.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHCFRL

DFHCF0803I Tables reloaded: *tables*. Tables bypassed: *duplicates*. Blocks read: *blocks*.

Explanation: This message provides additional information about the results of the coupling facility data table pool reload process. Tables on the unloaded data set are bypassed during reload processing if they already exist in the pool (for example as a result of a previous reload which could not be completed due to lack of space).

System Action: Server termination processing continues.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHCFRL

DFHCF0804 DFHCFRL data set for reload could not be opened.

Explanation: The data set containing the coupling facility data table pool to be reloaded could not be opened.

System Action: Reload processing is terminated and the server is closed down with message DFHCF0808.

User Response: Check that the DFHCFRL DD statement is present in the JCL for the reload job.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHCFRL

DFHCF0805 Reload access to CF structure *strname* failed with response *response*.

Explanation: The coupling facility data table pool reload process failed because of a problem with coupling facility access.

System Action: Reload processing is terminated and the server is closed down with message DFHCF0808.

User Response: If the response code is 8, this indicates that an unexpected IXLLIST error occurred, for which a previous message DFHCF0441 will have been issued. Any other response code indicates an internal logic error.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHCFRL

DFHCF0806 Unexpected end of file encountered on reload data set.

Explanation: End of file was encountered on the data set containing the unloaded coupling facility data table pool before the logical end of the unloaded data was encountered.

System Action: Reload processing is terminated and the server is closed down with message DFHCF0808.

User Response: This indicates that the unloaded data set is incomplete, perhaps because the unload process was abnormally terminated.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHCFRL

DFHCF0807 Reload data set contains incorrect data near block *block*, offset *offset*.

Explanation: The coupling facility data table pool reload process failed because the unloaded pool data set is not in the correct format.

System Action: Reload processing is terminated and the server is closed down with message DFHCF0808.

User Response: Check that the correct data set is being used and that the unload process completed normally.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHCFRL

DFHCF0808 Reload for CF data table pool *poolname* was unsuccessful.

Explanation: The coupling facility data table pool reload process could not be completed. The reason will have been described in a previous message.

System Action: The program is terminated.

User Response: See the previous message giving the reason for the reload failure.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHCFRL

DFHCF0809 Reload for CF structure *strname* failed, structure is full.

Explanation: Coupling facility data table pool reload processing failed because there are insufficient free entries or elements to store the new data in the structure.

System Action: Reload processing is terminated and the server is closed down with message DFHCF0808.

User Response: If the structure is currently allocated at less than its maximum size and the coupling facility has enough free space, the size of the structure can be increased dynamically using the MVS **SETXCF** command with the **START,ALTER** option, and the reload job can then be run again as soon as the alter request completes, in which case it will skip over duplicate information which has already been successfully reloaded. If the structure is at its maximum size, use the MVS **SETXCF FORCE** command to delete the structure, then increase the **SIZE** and **INITSIZE** parameters in the current CFRM policy and activate the updated policy, and rerun the reload job. The approximate amount of information which could not be reloaded can be estimated by comparing the numbers of blocks read and tables reloaded, as described by following message DFHCF0803, with the corresponding numbers from message DFHCF0703 in the unload job.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHCFRL

DFHCF0810 Reload for CF structure *strname* failed, all lists are in use.

Explanation: Coupling facility data table pool reload processing failed because all list headers defined in the structure are now in use.

System Action: Reload processing is terminated and the server is closed down with message DFHCF0808.

User Response: Use the MVS **SETXCF FORCE** command to delete the structure, then change the reload job **MAXTABLES** parameter to a value at least as large as the number of tables in the unloaded data, preferably much larger to allow for future expansion, then rerun the reload job.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHCFRL

DFHCF0821 CF data table *table* has been successfully reloaded, *records* records.

Explanation: The named coupling facility data table has been reloaded. Note that if any recoverable updates were pending, the number of table entries reloaded may be slightly larger than the number of records, as the entry for the original record is retained until syncpoint in case it is needed for backout.

System Action: Reload processing continues.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCFRL

DFHCF0822 CF data table *table* is already defined, reloading has been bypassed.

Explanation: A coupling facility data table which was being reloaded was found to have the same name as an existing table within the pool.

System Action: Reloading of the table is bypassed, and reload processing continues with the next table.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCFRL

DFHCF0831 *uowids* **units of work were reloaded for recoverable connection** *applid***.**

Explanation: Coupling facility data table pool reload processing has reloaded one or more unresolved recoverable units of work for the specified recoverable connection identifier.

System Action: Reload processing restores the status of those units of work from the unloaded data, to allow them to be resolved when the connection is next restarted.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCFUL

DFHCF0832 *uowids* **duplicate units of work were skipped for recoverable connection** *applid***.**

Explanation: Coupling facility data table pool reload processing found one or more unresolved recoverable units of work in the unloaded data which were found to be already present in the current pool, so they were bypassed in this reload run. This should only happen if the reload job was run more than once, for example to resume reloading after increasing the pool size.

System Action: Reload processing skips units of work which are already identified as active in the current pool.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCFUL

DFHCF0911I R12=*prv* **RQ Entry** *function* **Table=***table* **Task=***tasknum region*

Explanation: Coupling facility data table server request tracing is active and information from the FCCR parameter list is being traced on entry to the request module DFHCFRQ.

System Action: Processing continues.

User Response: This message is intended primarily for diagnostic use as advised by your IBM Support Center.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCFRQ

DFHCF0912I R12=*prv* **RQ Exit** *response* **Table=***table* **Task=***tasknum region*

Explanation: Coupling facility data table server request tracing is active and information from the FCCR parameter list is being traced on exit from the request module DFHCFRQ.

System Action: Processing continues.

User Response: This message is intended primarily for diagnostic use as advised by your IBM Support Center.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCFRQ

DFHCF0913I R12=*prv* **RQ Lock** *status* **Table=***table* **Task=***tasknum region*

Explanation: Coupling facility data table server request tracing is active and the state of a record lock is being traced. (This message is not used in the normal cases of reading a record whose lock is available or releasing a record when no other task expressed an interest in it).

- Record lock status values:

  OWNED The lock is already held by the same task.

  BUSY The lock is held by another active task.

  RETAINED The lock has previously been marked as retained.

  RETAIN The lock is for an inactive task and will be retained.

  RECLAIM The lock is inactive and can be reclaimed immediately.

  BACKOUT The lock will be reclaimed after backing out any change.

  POST Other tasks are being notified that a lock was released.

  WAIT The current task is being suspended to await a lock.

System Action: Processing continues.

User Response: This message is intended primarily for diagnostic use as advised by your IBM Support Center.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCFRQ

DFHCF0921I R12=*prv* **IQ Entry** *function* **Table=***table* **Task=***tasknum region*

Explanation: Coupling facility data table server request tracing is active and information from the FCCI parameter list is being traced on entry to the inquire module DFHCFIQ.

System Action: Processing continues.

User Response: This message is intended primarily for diagnostic use as advised by your IBM Support Center.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCFIQ

DFHCF0922I R12=*prv* **IQ Exit** *response* **Table=***table* **Task=***tasknum region*

Explanation: Coupling facility data table server request tracing is active and information from the FCCI parameter list is being traced on exit from the inquire module DFHCFIQ.

System Action: Processing continues.

User Response: This message is intended primarily for diagnostic use as advised by your IBM Support Center.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCFIQ

DFHCF0931I R12=*prv* **OC Entry** *function* **Table=***table*
Task=*tasknum region*

Explanation: Coupling facility data table server request tracing is active and information from the FCCT parameter list is being traced on entry to the open/close module DFHCFOC.

System Action: Processing continues.

User Response: This message is intended primarily for diagnostic use as advised by your IBM Support Center.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCFOC

DFHCF0932I R12=*prv* **OC Exit** *response* **Table=***table*
Task=*tasknum region*

Explanation: Coupling facility data table server request tracing is active and information from the FCCT parameter list is being traced on exit from the open/close module DFHCFOC.

System Action: Processing continues.

User Response: This message is intended primarily for diagnostic use as advised by your IBM Support Center.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCFOC

DFHCF0933I R12=*prv* **OC Closing table** *table* **for** *region* **on** *system***.**

Explanation: Coupling facility data table server request tracing is active and the open/close module DFHCFOC is closing a table on behalf of a region or server which has terminated.

System Action: Processing continues.

User Response: This message is intended primarily for diagnostic use as advised by your IBM Support Center.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCFOC

DFHCF0941I R12=*prv* **CF Entry** *request options modifiers*
R1=*parmlst table*

Explanation: Coupling facility data table server tracing of coupling facility accesses is active and information from the request interface parameter list is being traced on entry to the coupling facility interface module DFHCFCF. The three-character request mnemonics used by the internal coupling facility interface consist of a two-character code indicating the type of operation followed by a one-character code indicating the type of object on which the operation is performed.

- Coupling facility interface operations:

  CRx Create

  DLx Delete

  INx Inquire

  MDx Modify

  RDx Read

  RWx Rewrite

  WRx Write (new)

- Coupling facility interface objects:

  xxA APPLID entry

  xxD Data record entry

  xxI Index entry

  xxL List controls (for list containing data records)

  xxM Message entry (for lock release notification)

  xxU Unit of work entry

- The options flags may include the following hexadecimal values:

  80 Read key greater than or equal

  40 Read key less than or equal

  20 Compare entry version with given value

  10 Suppress data transfer (transfer adjunct area only)

  08 Access oldest entry with same key (for before-image)

  04 Write new entry with same key (for after-image)

  02 Non-increasing rewrite (so retry if structure full)

The modifier field is only used at present to specify the target connection number for a lock message, in hexadecimal form.

System Action: Processing continues.

User Response: This message is intended primarily for diagnostic use as advised by your IBM Support Center.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCFCF

DFHCF0942I R12=*prv* **CF IXLLIST Req=***request* **Adj=***adjarea*
Buf=*buffer* **List=***listnum* **Rsn=***rsncode*

Explanation: Coupling facility data table server tracing for coupling facility accesses is active and the result from an IXLLIST macro is being traced. The information traced includes an abbreviation of the type of request being performed, the addresses of the adjunct area and data buffer (zero when not used), the number of the list being accessed and the reason code returned by the macro. See the documentation of the IXLLIST macro in *OS/390 MVS Programming: Sysplex Services Reference* (GC28-1772) for further details, including the explanation of the reason code.

System Action: Processing continues.

User Response: This message is intended primarily for diagnostic use as advised by your IBM Support Center.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCFCF

DFHCF0943I R12=*prv* **CF IXLLIST** *keyword=value*

Explanation: Coupling facility data table server tracing for coupling facility accesses is active and an IXLLIST parameter or result value (key, authority value or version) is being traced in hex and (if relevant) character format.

System Action: Processing continues.

User Response: This message is intended primarily for diagnostic use as advised by your IBM Support Center.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCFCF

DFHCF0944I R12=*prv* **CF Exit** *response table*

Explanation: Coupling facility data table server tracing for coupling facility accesses is active and information from the request interface parameter list is being traced on exit from the CF request module DFHCFCF.

- Response codes:

  OK Normal completion.

  LEN ERROR Data to be read exceeds buffer length.

  NOT FOUND No entry was found with the given key.

  DUPLICATE Add was rejected because key already exists.

  WRONG VER Change was rejected because version did not match.

  AUTH FAIL List authority value did not match.

  LIST LIM List has reached maximum number of entries.

  I/O ERROR IXLLIST error other than any of the above.

System Action: Processing continues.

User Response: This message is intended primarily for diagnostic use as advised by your IBM Support Center.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCFCF

DFHCF0951I R12=*prv* **SP Entry** *function* **UOWID=***uowid* **Task=***tasknum region*

Explanation: Coupling facility data table server request tracing is active and information from the FCCU parameter list is being traced on entry to the syncpoint module DFHCFSP.

System Action: Processing continues.

User Response: This message is intended primarily for diagnostic use as advised by your IBM Support Center.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCFSP

DFHCF0952I R12=*prv* **SP Exit** *response* **UOWID=***uowid* **Task=***tasknum region*

Explanation: Coupling facility data table server request tracing is active and information from the FCCU parameter list is being traced on exit from the syncpoint module DFHCFSP.

System Action: Processing continues.

User Response: This message is intended primarily for diagnostic use as advised by your IBM Support Center.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCFSP

DFHCF0953I R12=*prv* **SP Lock** *action* **UOWID=***uowid* **Task=***tasknum region*

Explanation: Coupling facility data table server request tracing is active and a record lock action is being traced. The only lock action traced at present is 'POST', when a lock is being released after another task expressed interest in it.

System Action: Processing continues.

User Response: This message is intended primarily for diagnostic use as advised by your IBM Support Center.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCFSP

DFHCF0954I R12=*prv* **SP UOW** *status* **UOWID=***uowid* **Task=***tasknum region*

Explanation: Coupling facility data table server request tracing is active and a unit of work is being processed during restart processing.

- Unit of work status values:

  INDOUBT The UOW needs to be resolved by the client region.

  COMMIT The UOW is being committed.

  BACKOUT The UOW is being backed out.

  DELETE No further changes were found so the UOW is being deleted.

System Action: Processing continues.

User Response: This message is intended primarily for diagnostic use as advised by your IBM Support Center.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCFSP

DFHCF0955I R12=*prv* **SP Table** *table* **UOWID=***uowid* **Task=***tasknum region*

Explanation: Coupling facility data table server request tracing is active and the named table is being processed as part of commit or backout processing.

System Action: Processing continues.

User Response: This message is intended primarily for diagnostic use as advised by your IBM Support Center.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCFSP

DFHCF0956I R12=*prv* **SP Record state** *action* **UOWID=***uowid* **Task=***tasknum region*

Explanation: Coupling facility data table server request tracing is active and the current record state is being traced before commit or backout processing.

- The record state may include the following hexadecimal values:

  80 The record is locked.

  40 The record was changed in some way.

  20 The record was created by this unit of work.

  10 The record was updated by this unit of work.

  08 The record was deleted by this unit of work.

  04 The record lock is marked as retained.

  01 This was the first record updated by this unit of work.

System Action: Processing continues.

User Response: This message is intended primarily for diagnostic use as advised by your IBM Support Center.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHCFSP

DFHCF0999I Trace *text*

Explanation: This message is used by the coupling facility data table server for non-specific debugging traces in multiple modules, for use by service personnel. It should not appear in normal execution unless debugging traces were deliberately activated, or an internal logic error was encountered.

System Action: Processing continues.

User Response: This message is intended primarily for diagnostic use as advised by your IBM Support Center.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: various

DFHCPxxxx messages

DFHCP0101I *applid* **CPI initialization has started.**

Explanation: This is an informational message indicating the start of CPI initialization.

System Action: Initialization continues.

User Response: None. You can suppress this message with the system initialization parameter MSGLVL=0.

Destination: Console

Module: DFHCPIN1

XMEOUT Parameter: *applid*

DFHCP0102I *applid* **CPI initialization has ended.**

Explanation: This is an informational message indicating that CPI initialization has completed successfully.

System Action: Initialization continues.

User Response: None. You can suppress this message with the system initialization parameter MSGLVL=0.

Destination: Console

Module: DFHCPIN1

XMEOUT Parameter: *applid*

DFHCP0103I *applid* **CPI initialization has failed.**

Explanation: CPI has failed to initialize successfully.

System Action: Message DFHSI1522 will be issued following this message. CICS will terminate or continue initialization depending upon the operator's response to message DFHSI1522.

An exception trace entry will be written at the time the failure was detected.

Other CICS components called by CPI initialization may also issue messages or write trace entries.

User Response: Decide whether CICS can continue execution without CPI support, and respond accordingly to message DFHSI1522.

You should also investigate why CPI failed to initialize.

Destination: Console

Module: DFHCPIN1

XMEOUT Parameter: *applid*

DFHCP0701I *date time applid tranid program name* **CPI-C verb** *verb* **used unrecognized CONVERSATION_ID** *Conversation_ID***.**

Explanation: The application program has used an unrecognized conversation_ID on one of its calls to CPI-C. This could mean that:

- The application program has not created a conversation successfully using either the CMINIT (Initialize_Conversation) or the CMACCP (Accept_Conversation) verbs, or
- The application program has used the conversation_ID supplied to it by CPI-C incorrectly.

System Action: CICS returns control to the application program with return_code CM_PROGRAM_PARAMETER_CHECK.

The CPI-C verb has no effect on either the conversation or the conversation characteristics.

User Response: Determine which error has occurred and amend the application program accordingly.

The *SAA CPI-C Reference* manual, (SC26-4399), provides a detailed description of all the CPI-C verbs and how they should be called.

Destination: CCPI

Module: DFHCPIC

XMEOUT Parameters: *date, time, applid, tranid, program name, verb, Conversation_ID*

DFHCP0702I *date time applid tranid program name Conversation_ID* **CPI-C verb** *verb* **was disallowed because of the conversation state** *state***.**

Explanation: The CPI-C state machine detected a state error. This means that the conversation was in the wrong state to issue this verb.

System Action: CICS returns control to the application program with return_code CM_PROGRAM_STATE_CHECK.

The CPI-C verb has no effect on either the conversation or the conversation characteristics.

User Response: Use the state machine defined in the *SAA CPI Communications Reference* manual, (SC26-4399), and the CICS trace information to determine the sequence of CPI-C calls issued that caused the state error. Amend the application program in accordance with the supplied guidelines.

Destination: CCPI

Module: DFHCPIC

XMEOUT Parameters: *date, time, applid, tranid, program name, Conversation_ID, verb, state*

DFHCP0705I *date time applid tranid program name Conversation_ID* **invalid conversation_type parameter (***X'conv_type***') supplied on the CMSCT (Set_Conversation_Type) verb.**

Explanation: The application program has called CMSCT (Set_Conversation_Type) with an invalid conversation_type parameter value.

System Action: CICS returns control to the application program with return_code CM_PROGRAM_PARAMETER_CHECK.

The CPI-C verb has no effect on either the conversation or the conversation characteristics.

User Response: Amend CMSCT in the application program to use a valid conversation_type parameter.

The *SAA CPI-C Reference* manual, (SC26-4399), provides a detailed description of all the CPI-C verbs and how they should be called.

Destination: CCPI

Module: DFHCPCSA

XMEOUT Parameters: *date, time, applid, tranid, program name, Conversation_ID, X'conv_type'*

DFHCP0706I *date time applid tranid program name conversation_ID* **the supplied conversation_type parameter of CM_MAPPED_CONVERSATION conflicts with the current setting of the fill characteristic CM_FILL_BUFFER.**

Explanation: The application program has called CMSCT (Set_Conversation_Type) with a conversation_type parameter of CM_MAPPED_CONVERSATION when it had previously used the CMSF (Set_Fill) verb to set the *fill* characteristic.

This is not allowed in CPI-C.

System Action: CICS returns control to the application program with return_code CM_PROGRAM_PARAMETER_CHECK.

The CPI-C verb has no effect on either the conversation or the conversation characteristics.

User Response: Amend the application program so that it does not use these two verbs in this invalid combination.

The *SAA CPI-C Reference* manual, (SC26-4399), provides a detailed description of all the CPI-C verbs and how they should be called.

Destination: CCPI

Module: DFHCPCSA

XMEOUT Parameters: *date, time, applid, tranid, program name, conversation_ID*

DFHCP0707I *date time applid tranid program name conversation_ID* **the supplied conversation_type parameter CM_MAPPED_CONVERSATION conflicts with the current setting of log_data.**

Explanation: The application program has called CMSCT (Set_Conversation_Type) with a conversation_type parameter of CM_MAPPED_CONVERSATION when it had previously used the CMSLD (Set_Log_Data) verb to create some Log Data.

This is not allowed in CPI-C.

System Action: CICS returns control to the application program with return_code CM_PROGRAM_PARAMETER_CHECK.

The CPI-C verb has no effect on either the conversation or the conversation characteristics.

User Response: Amend the application program so that it does not use these two verbs in this invalid combination.

The *SAA CPI-C Reference* manual, (SC26-4399), provides a detailed description of all the CPI-C verbs and how they should be called.

Destination: CCPI

Module: DFHCPCSA

XMEOUT Parameters: *date, time, applid, tranid, program name, conversation_ID*

DFHCP0708I *date time applid tranid program name conversation_ID* **invalid deallocate_type parameter (***X'deallocate_type***') supplied on the CMSDT (Set_Deallocate_Type) verb.**

Explanation: The application program has called CMSDT (Set_Deallocate_Type) with an invalid deallocate_type parameter.

System Action: CICS returns control to the application program with return_code CM_PROGRAM_PARAMETER_CHECK.

The CPI-C verb has no effect on either the conversation or the conversation characteristics.

User Response: Amend CMSDT in the application program to use a valid deallocate_type parameter.

The *SAA CPI-C Reference* manual, (SC26-4399), provides a detailed description of all the CPI-C verbs and how they should be called.

Destination: CCPI

Module: DFHCPCSB

XMEOUT Parameters: *date, time, applid, tranid, program name, conversation_ID, X'deallocate_type'*

DFHCP0709I *date time applid tranid program name conversation_ID* **the supplied deallocate_type parameter** *deallocate_type* **conflicts with the current setting of the sync_level characteristic** *sync_level*.

Explanation: The application program has called CMSDT (Set_Deallocate_Type) with a deallocate_type of *deallocate_type* and with the sync_level characteristic set to *sync_level*.

System Action: CICS returns control to the application program with return_code CM_PROGRAM_PARAMETER_CHECK.

The CPI-C verb has no effect on either the conversation or the conversation characteristics.

User Response: Amend the application program to remove this conflict.

The *SAA CPI-C Reference* manual, (SC26-4399), provides a detailed description of all the CPI-C verbs and how they should be called.

Destination: CCPI

Module: DFHCPCSB

XMEOUT Parameters: *date, time, applid, tranid, program name, conversation_ID, deallocate_type, sync_level*

DFHCP0710I *date time applid tranid program name conversation_ID* **invalid error_direction parameter (***X'error_direction'***) supplied on the CMSED (Set_Error_Direction) verb.**

Explanation: The application program has called CMSED (Set_Error_Direction) with an invalid error_direction parameter.

System Action: CICS returns control to the application program with return_code CM_PROGRAM_PARAMETER_CHECK.

The CPI-C verb has no effect on either the conversation or the conversation characteristics.

User Response: Amend CMSED in the application program to use a valid error_direction parameter.

Destination: CCPI

Module: DFHCPCSC

XMEOUT Parameters: *date, time, applid, tranid, program name, conversation_ID, X'error_direction'*

DFHCP0711I *date time applid tranid program name conversation_ID* **invalid fill parameter (***X'fill'***) supplied on the CMSF (Set_Fill) verb.**

Explanation: The application program has called CMSF (Set_Fill) with an invalid fill parameter *fill*.

System Action: CICS returns control to the application program with return_code CM_PROGRAM_PARAMETER_CHECK.

The CPI-C verb has no effect on either the conversation or the conversation characteristics.

User Response: Amend CMSF in the application program to use a valid fill parameter.

The *SAA CPI-C Reference* manual, (SC26-4399), provides a detailed description of all the CPI-C verbs and how they should be called.

Destination: CCPI

Module: DFHCPCSD

XMEOUT Parameters: *date, time, applid, tranid, program name, conversation_ID, X'fill'*

DFHCP0712I *date time applid tranid program name conversation_ID* **CMSF (Set_Fill) call conflicts with the current conversation_type of CM_MAPPED_CONVERSATION.**

Explanation: The application program has called CMSF (Set_Fill) when the conversation_type is CM_MAPPED_CONVERSATION.

System Action: CICS returns control to the application program with return_code CM_PROGRAM_PARAMETER_CHECK.

The CPI-C verb has no effect on either the conversation or the conversation characteristics.

User Response: Amend the application program to remove this conflict.

The *SAA CPI-C Reference* manual, (SC26-4399), provides a detailed description of all the CPI-C verbs and how they should be called.

Destination: CCPI

Module: DFHCPCSD

XMEOUT Parameters: *date, time, applid, tranid, program name, conversation_ID*

DFHCP0713I *date time applid tranid program name conversation_ID* **CMSLD (Set_Log_Data) call conflicts with the current conversation_type of CM_MAPPED_CONVERSATION.**

Explanation: The application program has called CMSLD (Set_Log_Data) when the conversation_type is CM_MAPPED_CONVERSATION.

System Action: CICS returns control to the application program with return_code CM_PROGRAM_PARAMETER_CHECK.

The CPI-C verb has no effect on either the conversation or the conversation characteristics.

User Response: Amend the application program to remove this conflict.

The *SAA CPI-C Reference* manual, (SC26-4399), provides a detailed description of all the CPI-C verbs and how they should be called.

Destination: CCPI

Module: DFHCPCSE

XMEOUT Parameters: *date, time, applid, tranid, program name, conversation_ID*

DFHCP0714I *date time applid tranid program name conversation_ID* **log_data_length (***log_data_length***) supplied on CMSLD (Set_Log_Data) verb is not in the range 0-512.**

Explanation: The application program has called CMSLD (Set_Log_Data) with a log_data_length parameter that is not in the range 0–512.

System Action: CICS returns control to the application program with return_code CM_PROGRAM_PARAMETER_CHECK.

The CPI-C verb has no effect on either the conversation or the conversation characteristics.

User Response: Amend CMSLD in the application program to use a valid log_data_length parameter.

The *SAA CPI-C Reference* manual, (SC26-4399), provides a detailed description of all the CPI-C verbs and how they should be called.

Destination: CCPI

Module: DFHCPCSE

XMEOUT Parameters: *date, time, applid, tranid, program name, conversation_ID, log_data_length*

DFHCP0718I *date time applid tranid program name conversation_ID* **invalid mode_name_length parameter (***mode_name_length***) supplied on the CMSMN (Set_Mode_Name) verb.**

Explanation: The application program has called CMSMN (Set_Mode_Name) with a mode_name_length parameter outside the range of 0 –8.

System Action: CICS returns control to the application program with return_code CM_PROGRAM_PARAMETER_CHECK.

The CPI-C verb has no effect on either the conversation or the conversation characteristics.

User Response: Amend CMSMN in the application program to use a valid mode_name_length parameter.

The *SAA CPI-C Reference* manual, (SC26-4399), provides a detailed description of all the CPI-C verbs and how they should be called.

Destination: CCPI

Module: DFHCPCSF

XMEOUT Parameters: *date, time, applid, tranid, program name, conversation_ID, mode_name_length*

DFHCP0721I *date time applid tranid program name conversation_ID* **the partner_lu_name_length (***partner_lu_name_len***) supplied on the CMSPLN (Set_Partner_LU_Name) verb is not in the range 1-17.**

Explanation: The application program has called CMSPLN (Set_Partner_LU_Name) with a partner_lu_name_length parameter outside the range 1–17.

System Action: CICS returns control to the application program with return_code CM_PROGRAM_PARAMETER_CHECK.

The CPI-C verb has no effect either on the conversation or conversation characteristics.

User Response: Amend CMSPLN in the application program to use a partner_lu_name_length parameter within the range 1-17.

The *SAA CPI-C Reference* manual, (SC26-4399), provides a detailed description of all the CPI-C verbs and how they should be called.

Destination: CCPI

Module: DFHCPCSG

XMEOUT Parameters: *date, time, applid, tranid, program name, conversation_ID, partner_lu_name_len*

DFHCP0724I *date time applid tranid program name conversation_ID* **invalid prepare_to_receive_type parameter (***X'ptr_type***) supplied on the CMSPTR (Set_Prepare_To_Receive_Type) verb.**

Explanation: The application program has called CMSPTR (Set_Prepare_To_Receive_Type) with an invalid prepare_to_receive_type parameter.

System Action: CICS returns control to the application program with return_code CM_PROGRAM_PARAMETER_CHECK.

The CPI-C verb has no effect on either the conversation or the conversation characteristics.

User Response: Amend CMSPTR in the application program to use a valid prepare_to_receive_type parameter.

The *SAA CPI-C Reference* manual, (SC26-4399), provides a detailed description of all the CPI-C verbs and how they should be called.

Destination: CCPI

Module: DFHCPCSH

XMEOUT Parameters: *date, time, applid, tranid, program name, conversation_ID, X'ptr_type'*

DFHCP0725I *date time applid tranid program name conversation_ID* **the supplied prepare_to_receive_type parameter CM_PREP_TO_RECEIVE_CONFIRM is incompatible with the current setting of the sync_level characteristic CM_NONE.**

Explanation: The application program has called CMSPTR (Set_Prepare_To_Receive_Type) with a prepare_to_receive_type parameter of CM_PREP_TO_RECEIVE_CONFIRM and with the sync_level characteristic set to CM_NONE.

System Action: CICS returns control to the application program with return_code CM_PROGRAM_PARAMETER_CHECK.

The CPI-C verb has no effect on either the conversation or the conversation characteristics.

User Response: Amend the application program to remove this conflict.

The *SAA CPI-C Reference* manual, (SC26-4399), provides a detailed description of all the CPI-C verbs and how they should be called.

Destination: CCPI

Module: DFHCPCSH

XMEOUT Parameters: *date, time, applid, tranid, program name, conversation_ID*

DFHCP0726I *date time applid tranid program name conversation_ID* **invalid receive_type parameter (***X'receive_type***) supplied on the CMSRT (Set_Receive_Type) verb.**

Explanation: The application program has called CMSRT (Set_Receive_Type) with an invalid receive_type parameter.

System Action: CICS returns control to the application program with return_code CM_PROGRAM_PARAMETER_CHECK.

The CPI-C verb has no effect on either the conversation or the conversation characteristics.

User Response: Amend CMSRT in the application program to use a valid receive_type parameter.

The *SAA CPI-C Reference* manual, (SC26-4399), provides a detailed description of all the CPI-C verbs and how they should be called.

Destination: CCPI

Module: DFHCPCSI

XMEOUT Parameters: *date, time, applid, tranid, program name, conversation_ID, X'receive_type'*

DFHCP0727I *date time applid tranid program name conversation_ID* **invalid return_control parameter (***X'return_control'***) supplied on the CMSRC (Set_Return_Control) verb.**

Explanation: The application program has called CMSRC (Set_Return_Control) with an invalid return_control parameter.

System Action: CICS returns control to the application program with return_code CM_PROGRAM_PARAMETER_CHECK.

The CPI-C verb has no effect on either the conversation or the conversation characteristics.

User Response: Amend CMSRC in the application program to use a valid return_control parameter.

The *SAA CPI-C Reference* manual, (SC26-4399), provides a detailed description of all the CPI-C verbs and how they should be called.

Destination: CCPI

Module: DFHCPCSJ

XMEOUT Parameters: *date, time, applid, tranid, program name, conversation_ID, X'return_control'*

DFHCP0728I *date time applid tranid program name conversation_ID* **invalid send_type parameter (***X'send_type'***) supplied on the CMSST (Set_Send_Type) verb.**

Explanation: The application program has called CMSST (Set_Send_Type) with an invalid send_type parameter.

System Action: CICS returns control to the application program with return_code CM_PROGRAM_PARAMETER_CHECK.

The CPI-C verb has no effect on either the conversation or the conversation characteristics.

User Response: Amend CMSST in the application program to use a valid send_type parameter.

The *SAA CPI-C Reference* manual, (SC26-4399), provides a detailed description of all the CPI-C verbs and how they should be called.

Destination: CCPI

Module: DFHCPCSK

XMEOUT Parameters: *date, time, applid, tranid, program name, conversation_ID, X'send_type'*

DFHCP0729I *date time applid tranid program name conversation_ID* **the supplied send_type parameter CM_SEND_AND_CONFIRM is incompatible with the current setting of the sync_level characteristic CM_NONE.**

Explanation: The application program has called CMSST (Set_Send_Type) with a send_type parameter of CM_SEND_AND_CONFIRM and with the sync_level characteristic set to CM_NONE.

System Action: CICS returns control to the application program with return_code CM_PROGRAM_PARAMETER_CHECK.

The CPI-C verb has no effect on either the conversation or the conversation characteristics.

User Response: Amend the application program to remove this conflict.

The *SAA CPI-C Reference* manual, (SC26-4399), provides a detailed description of all the CPI-C verbs and how they should be called.

Module: DFHCPCSK

XMEOUT Parameters: *date, time, applid, tranid, program name, conversation_ID*

DFHCP0730I *date time applid tranid program name conversation_ID* **invalid sync_level parameter (***X'sync_level'***) supplied on the CMSSL (Set_Sync_Level) verb.**

Explanation: The application program has called CMSSL (Set_Sync_Level) with an invalid sync_level parameter.

System Action: CICS returns control to the application program with return_code CM_PROGRAM_PARAMETER_CHECK.

The CPI-C verb has no effect on either the conversation or the conversation characteristics.

User Response: Amend CMSSL in the application program to use a valid sync_level parameter.

The *SAA CPI-C Reference* manual, (SC26-4399), provides a detailed description of all the CPI-C verbs and how they should be called.

Destination: CCPI

Module: DFHCPCSL

XMEOUT Parameters: *date, time, applid, tranid, program name, conversation_ID, X'sync_level'*

DFHCP0731I *date time applid tranid program name conversation_ID* **the supplied sync_level parameter CM_NONE is incompatible with the current setting of the send_type characteristic CM_SEND_AND_CONFIRM.**

Explanation: The application program has called CMSSL (Set_Sync_Level) with a sync_level parameter of CM_NONE. The send_type is CM_SEND_AND_CONFIRM.

System Action: CICS returns control to the application program with return_code CM_PROGRAM_PARAMETER_CHECK.

The CPI-C verb has no effect on either the conversation or the conversation characteristics.

User Response: Amend the application program to remove this conflict.

The *SAA CPI-C Reference* manual, (SC26-4399), provides a detailed description of all the CPI-C verbs and how they should be called.

Destination: CCPI

Module: DFHCPCSL

XMEOUT Parameters: *date, time, applid, tranid, program name, conversation_ID*

DFHCP0732I *date time applid tranid program name conversation_ID* **the supplied sync_level parameter** *sync_level* **is incompatible with the current setting of the deallocate_type characteristic** *deallocate_type***.**

Explanation: The application program has called CMSSL (Set_Sync_Level) with a sync_level parameter of *sync_level*. The deallocate_type is *deallocate_type*.

System Action: CICS returns control to the application program with return_code CM_PROGRAM_PARAMETER_CHECK.

The CPI-C verb has no effect on either the conversation or the conversation characteristics.

User Response: Amend the application program to remove this conflict.

The *SAA CPI-C Reference* manual, (SC26-4399), provides a detailed description of all the CPI-C verbs and how they should be called.

Destination: CCPI

Module: DFHCPCSL

XMEOUT Parameters: *date, time, applid, tranid, program name, conversation_ID, sync_level, deallocate_type*

DFHCP0733I *date time applid tranid program name conversation_ID* **the supplied sync_level parameter CM_NONE is incompatible with the current setting of the prepare_to_receive_type characteristic CM_PREP_TO_RECEIVE_CONFIRM.**

Explanation: The application program has called CMSSL (Set_Sync_Level) with a sync_level parameter of CM_NONE.

CM_PREP_TO_RECEIVE_CONFIRM is the prepare_to_receive_type.

System Action: CICS returns control to the application program with return_code CM_PROGRAM_PARAMETER_CHECK.

The CPI-C verb has no effect on either the conversation or the conversation characteristics.

User Response: Amend the application program to remove this conflict.

The *SAA CPI-C Reference* manual, (SC26-4399), provides a detailed description of all the CPI-C verbs and how they should be called.

Destination: CCPI

Module: DFHCPCSL

XMEOUT Parameters: *date, time, applid, tranid, program name, conversation_ID*

DFHCP0734I *date time applid tranid program name conversation_ID* **tp_name_length parameter (***tp_name_length***) supplied on the CMSTPN (Set_TP_Name) verb is not in the range 1-64.**

Explanation: The application program has called CMSTPN (Set_TP_Name) with an tp_name_length parameter outside the range 1–64.

System Action: CICS returns control to the application program with return_code CM_PROGRAM_PARAMETER_CHECK.

The CPI-C verb has no effect on either the conversation or the conversation characteristics.

User Response: Amend CMSTPN in the application program to use a valid tp_name_length parameter.

The *SAA CPI-C Reference* manual, (SC26-4399), provides a detailed description of all the CPI-C verbs and how they should be called.

Destination: CCPI

Module: DFHCPCSM

XMEOUT Parameters: *date, time, applid, tranid, program name, conversation_ID, tp_name_length*

DFHCP0740I *date time applid tranid program name* **No incoming conversation to accept.**

Explanation: The application program has called CMACCP (Accept_conversation) when there is no incoming conversation.

System Action: CICS returns control to the application program with return_code CM_PROGRAM_STATE_CHECK.

The CPI-C verb has no effect on either the conversation or the conversation characteristics.

User Response: Ensure that there is an incoming conversation to accept.

The *SAA CPI-C Reference* manual, (SC26-4399), provides a detailed description of all the CPI-C verbs and how they should be called.

Destination: CCPI

Module: DFHCPCAC

XMEOUT Parameters: *date, time, applid, tranid, program name*

DFHCP0741I *date time applid tranid program name* **Duplicate call to CMACCP (Accept_Conversation).**

Explanation: The application program has called CMACCP (Accept_conversation) more than once.

System Action: CICS returns control to the application program with return_code CM_PROGRAM_STATE_CHECK.

The CPI-C verb has no effect on either the conversation or the conversation characteristics.

User Response: Amend the application program so that it only calls CMACCP once.

The *SAA CPI-C Reference* manual, (SC26-4399), provides a detailed description of all the CPI-C verbs and how they should be called.

Destination: CCPI

Module: DFHCPCAC

XMEOUT Parameters: *date, time, applid, tranid, program name*

DFHCP0742I *date time applid tranid program name* **Session is not available for CPI-C as it is already in use by another process.**

Explanation: The application program has called CMACCP (Accept_conversation) when it was already using the session for another process, for example, EXEC Interface DTP.

System Action: CICS returns control to the application program with return_code CM_PRODUCT_SPECIFIC_ERROR.

User Response: Ensure that the application uses only CPI-C on this session.

Destination: CCPI

Module: DFHCPCAC

XMEOUT Parameters: *date, time, applid, tranid, program name*

DFHCP0743I *date time applid tranid program name* **Unable to use CPI-C as this transaction was initiated by ATI.**

Explanation: The application program has called CMACCP (Accept_conversation) after it was started by Automatic Transaction Initiation (ATI). This is not supported.

System Action: CICS returns control to the application program with return_code CM_PRODUCT_SPECIFIC_ERROR.

The CPI-C verb has no effect on either the conversation or the conversation characteristics.

User Response: Ensure that applications abide by this restriction.

Destination: CCPI

Module: DFHCPCAC

XMEOUT Parameters: *date, time, applid, tranid, program name*

DFHCP0747I *date time applid tranid program name conversation_ID* **CMCFM (Confirm) call conflicts with sync_level CM_NONE.**

Explanation: The application program has called CMCFM (Confirm) when the sync_level is set to CM_NONE. This is not allowed.

System Action: CICS returns control to the application program with return_code CM_PROGRAM_PARAMETER_CHECK.

The CPI-C verb has no effect on either the conversation or the conversation characteristics.

User Response: Amend the application program so this conflict no longer occurs.

The *SAA CPI-C Reference* manual, (SC26-4399), provides a detailed description of all the CPI-C verbs and how they should be called.

Destination: CCPI

Module: DFHCPCCM

XMEOUT Parameters: *date, time, applid, tranid, program name, conversation_ID*

DFHCP0749I *date time applid tranid program name* **Unrecognized sym_dest_name (***sym_dest_name***) supplied on the CMINIT (Initialize_Conversation) verb.**

Explanation: The application program has called CMINIT (Initialize_Conversation). The sym_dest_name parameter is unrecognized.

System Action: CICS returns control to the application program with return_code CM_PROGRAM_PARAMETER_CHECK.

The CPI-C verb has no effect on either the conversation or the conversation characteristics.

User Response: Amend the application program and the partner resource definition to ensure that the sym_dest_name parameter is correct.

The *CICS Resource Definition Guide* explains how to use the partner resource correctly.

The *SAA CPI-C Reference* manual, (SC26-4399), provides a detailed description of all the CPI-C verbs and how they should be called.

Destination: CCPI

Module: DFHCPCIC

XMEOUT Parameters: *date, time, applid, tranid, program name, sym_dest_name*

DFHCP0750I *date time applid tranid program name* **Unrecognized profile** *profile_name* **supplied in partner resource** *sym_dest_name***.**

Explanation: The application program has called CMINIT (Initialize_Conversation). The profile found in the sym_dest_name supplied is unrecognized.

System Action: CICS returns control to the application program with return_code CM_PRODUCT_SPECIFIC_ERROR.

The CPI-C verb has no effect on either the conversation or the conversation characteristics.

User Response: Amend the application program and the partner resource definition to ensure that the sym_dest_name parameter is correct.

The *SAA CPI-C Reference* manual, (SC26-4399), provides a detailed description of all the CPI-C verbs and how they should be called.

In addition, the *CICS Resource Definition Guide* gives further information on partner resource definitions.

Modules: DFHCPCIC

XMEOUT Parameters: *date, time, applid, tranid, program name, profile_name, sym_dest_name*

DFHCP0751I *date time applid tranid program name conversation_ID* **invalid requested_length parameter** *requested_length* **supplied on CMRCV (Receive).**

Explanation: The application program has called CMRCV (Receive) with a requested_length parameter that has a value greater than 32767.

System Action: CICS returns control to the application program with return_code CM_PROGRAM_PARAMETER_CHECK.

The CPI-C verb has no effect on either the conversation or the conversation characteristics.

User Response: Amend the application program to use a valid value for the requested_length parameter.

The *SAA CPI-C Reference* manual, (SC26-4399), provides a detailed description of all the CPI-C verbs and how they should be called.

Destination: CCPI

Modules: DFHCPCRI, DFHCPCRW

XMEOUT Parameters: *date, time, applid, tranid, program name, conversation_ID, requested_length*

DFHCP0752I *date time applid tranid program name conversation_ID* **data passed on call to CMSEND contains an invalid GDS record.**

Explanation: The application program has called CMSEND (Send_Data). Data passed on this call contains an invalid generalized data stream (GDS) record.

Note: This message is only issued on a basic conversation. That is, when conversation_type is set to CM_BASIC_CONVERSATION.

System Action: The data is not sent.

CICS returns control to the application program with return_code CM_PROGRAM_PARAMETER_CHECK.

The CPI-C verb has no effect on either the conversation or the conversation characteristics.

User Response: Amend the application program to ensure that this parameter is correct.

The *SAA CPI-C Reference* manual, (SC26-4399), provides a detailed description of all the CPI-C verbs and how they should be called together with information about GDS records.

The *CICS Distributed Transaction Programming Guide* provides additional information about GDS records.

Destination: CCPI

Module: DFHCPCLR

XMEOUT Parameters: *date, time, applid, tranid, program name, conversation_ID*

DFHCP0753I *date time applid tranid program name conversation_ID* **invalid send_length parameter** *send_length* **supplied on CMSEND (send_data).**

Explanation: The application program has called CMSEND (Send_Data) with a send_length parameter that is not in the range 0–32767 bytes.

System Action: CICS returns control to the application program with return_code CM_PROGRAM_PARAMETER_CHECK.

User Response: The send_length parameter should not exceed 32767 bytes. Amend CMSEND to send data that is within the range 0–32767 bytes. This may entail sending the data in two chunks.

The *SAA CPI-C Reference* manual, (SC26-4399), provides a detailed description of all the CPI-C verbs and how they should be called.

Destination: CCPI

Modules: DFHCPCN1, DFHCPCN2, DFHCPCN3, DFHCPCN4, DFHCPCN5

XMEOUT Parameters: *date, time, applid, tranid, program name, conversation_ID, send_length*

DFHCP0754I *date time applid tranid program name conversation_ID* **data sent so far is currently in the middle of a GDS record so cannot send CMDEAL, CMCFM or CMPTR requests.**

Explanation: The application is using a basic conversation (that is, the conversation_type characteristic has been set to CM_BASIC_CONVERSATION).

The application has not sent all the data associated with the last Generalized Data Stream (GDS) record.

However, the application has tried to send one of the following requests:

- a CMDEAL (Deallocate),
- a CMCFM (Confirm), or
- a CMPTR (Prepare_to_receive).

System Action: CICS returns control to the application program with return_code CM_PROGRAM_STATE_CHECK.

The CPI-C verb has no effect on either the conversation or the conversation characteristics.

User Response: Inspect the data sent to determine why the previous send was in error. Check if the error was caused by the application truncating the last record or if there was an error in one of the length fields which caused CPI-C to misinterpret the data-stream and amend the application program accordingly.

The *SAA CPI-C Reference* manual, (SC26-4399), provides a detailed description of all the CPI-C verbs and how they should be called together with information about GDS records.

The *CICS Distributed Transaction Programming Guide* provides additional information about GDS records.

Destination: CCPI

Module: DFHCPCLR

XMEOUT Parameters: *date, time, applid, tranid, program name, conversation_ID*

DFHCP0756 *date time applid tranid program name conversation_ID* **received an unrecognized sense_code** *X'sense_code'* **from the partner** *{program | program - }tp_name***.**

Explanation: A sense code received from the partner program on a remote system was unrecognized. This could be for one of two reasons.

- a protocol error, or
- the partner program is running on a later release and new sense codes have been added to the APPC architecture.

System Action: CICS returns control to the application program with either return_code CM_DEALLOCATE_ABEND or CM_PROGRAM_ERROR_PURGING. This depends on whether the unrecognized sense code has been interpreted as an error or interpreted as a conversation abend.

Note: *tp_name* is present only if this message is being issued on the front-end system.

User Response: Use the sense code provided in the message and your knowledge of the two communicating systems to determine which of the two possible cases documented above is the error.

If the error is a protocol error, you need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CCPI

Module: DFHCPCLR

XMEOUT Parameters: *date, time, applid, tranid, program name, conversation_ID, X'sense_code', {2=program, 1=program - }, tp_name*

DFHCP0757I *date time applid tranid program name conversation_ID* **unrecognized netname** *netname* **supplied for CMALLC (Allocate) verb.**

Explanation: The allocation of a session for this conversation failed due to an unrecognized netname *netname*.

This value is derived from the partner_lu_name specified either in the partner resource for the conversation, or on a CPI-C CMSPLN (set_partner_lu_name) verb.

System Action: CICS returns control to the application program with return_code CM_PARAMETER_ERROR.

No session is allocated.

User Response: Amend the application program to use a recognized netname.

Destination: CCPI

Module: DFHCPCLR

XMEOUT Parameters: *date, time, applid, tranid, program name, conversation_ID, netname*

DFHCP0758I *date time applid tranid program name conversation_ID* **unrecognized mode_name** *mode_name* **supplied for CMALLC (Allocate) verb.**

Explanation: The allocation of a session for this conversation failed due to an unrecognized mode name *mode_name*.

This value is specified either in the profile named in the partner resource for the conversation, or on a CPI-C CMSMN (Set_mode_name) verb.

System Action: CICS returns control to the application program with return_code CM_PARAMETER_ERROR.

No session is allocated.

User Response: Amend the application program to use a recognized mode_name.

Destination: CCPI

Module: DFHCPCLR

XMEOUT Parameters: *date, time, applid, tranid, program name, conversation_ID, mode_name*

DFHCP0759I *date time applid tranid program name conversation_ID* **invalid use of the SNA service TP** *X'tp_name'*

Explanation: The allocation of a session for conversation *conversation_id* failed because the transaction program (TP) specified in the conversation control block (CPC) is an SNA service TP. This is not allowed.

System Action: CICS returns control to the application program with return_code CM_PARAMETER_ERROR.

User Response: Amend the application program so that it uses a different TP.

Destination: CCPI

Module: DFHCPCAL

XMEOUT Parameters: *date, time, applid, tranid, program name, conversation_ID, X'tp_name'*

DFHCP0760I *date time applid tranid program name conversation_ID* **an invalid partner_lu_name** *partner_lu_name* **was specified for the CMALLC (Allocate) verb.**

Explanation: The allocation of a session has failed. This is because the partner_lu_name specified in the conversation control block (CPC) does not conform to the following rules.

1. The partner_lu_name may take one of the following forms:
   - Netname (1-8 characters long), or
   - Network.netname (where network and netname are EACH 1-8 characters long).
2. Netname and network both consist of the following character sets, where the first character is always alphabetic.
   - A-Z
   - a-z
   - @
   - $
   - #
   - 0-9

   Note: Lower case letters are translated to uppercase.

System Action: The session is not allocated.

CICS returns control to the application program with return_code CM_PARAMETER_ERROR.

User Response: Depending on the application, the partner_lu_name either comes from the partner resource (specified on the CMINIT (initialize_conversation) verb in the sym_dest_name parameter) or an optional CMSPLN (set_partner_lu_name) verb. This value needs to be changed to conform to the rules above.

Destination: CCPI

Module: DFHCPCAL

XMEOUT Parameters: *date, time, applid, tranid, program name, conversation_ID, partner_lu_name*

DFHCP0761I *date time applid tranid program name conversation_ID* **an invalid mode_name** *mode_name* **was specified for the CMALLC (Allocate) verb.**

Explanation: The allocation of a session for conversation *conversation_id* has failed. This is because the mode_name *mode_name* specified in the conversation control block (CPC) is not allowed.

System Action: No session is allocated.

CICS returns control to the application program with return_code CM_PARAMETER_ERROR.

User Response: Amend the application program so that it uses a different mode_name.

Destination: CCPI

Module: DFHCPCAL

XMEOUT Parameters: *date, time, applid, tranid, program name, conversation_ID, mode_name*

DFHCP0763I *date time applid tranid program name conversation_ID* **the mode_name** *mode_name* **specified for the CMALLC (Allocate) verb is unknown to VTAM.**

Explanation: The allocation of a session for conversation *conversation_ID* has failed. This is because the mode_name specified in the conversation control block (CPC) is known to the remote system, but is unknown to VTAM.

System Action: No session is allocated.

CICS returns control to the application program with return code CM_PARAMETER_ERROR.

User Response: Amend the application program so that it uses a different mode_name.

Destination: CCPI

Module: DFHCPCLR

XMEOUT Parameters: *date, time, applid, tranid, program name, conversation_ID, mode_name*

DFHCP0764I *date time applid tranid program name* **Partner Resource Manager is unavailable.**

Explanation: The application program has called CMINIT (Initialize_Conversation), but the partner resource manager (which provides access to the partner resource table) is not available.

System Action: CICS returns control to the application program with return_code CM_PRODUCT_SPECIFIC_ERROR.

User Response: First determine whether message DFHPR0106 was issued during CICS initialization; if so, refer to the advice given for that message. Otherwise it appears that CICS-owned storage (either the static storage address list, or the PR static storage) has been overlaid. Refer to the *CICS Problem Determination Guide* for guidance on how to deal with storage violations.

Destination: CCPI

Module: DFHCPCIC

XMEOUT Parameters: *date, time, applid, tranid, program name*

DFHCP0765I *date time applid tranid program name conversation_ID* **CPI-C verb** *verb* **was disallowed because of the BACKOUT-REQUIRED program state.**

Explanation: The CPI-C state machine has detected a state error. The verb *verb* cannot be issued in BACKOUT-REQUIRED program state.

System Action: CICS returns control to the application program with return code CM_PROGRAM_STATE_CHECK.

User Response: Amend the application program in accordance with the supplied guidelines. See the *SAA CPI-C Reference* (SC26-4399), which contains a description of CPI-C verbs and how they should be called.

Destination: CCPI

Module: DFHCPIC

XMEOUT Parameters: *date, time, applid, tranid, program name, conversation_ID, verb*

DFHCRxxxx messages

DFHCR4300 *date time applid* **Transaction** *tranid* **not executed on terminal** *termid* **on system** *sysid***. Transaction invalid on that system**

Explanation: A request was made to schedule a task on remote system *sysid*. The request could not be executed because transaction *tranid* is not defined on system *sysid*.

System Action: Other processing continues.

User Response: Ensure that terminal *termid* and transaction *tranid* are defined on system *sysid*.

Destination: CSMT

Module: DFHCRS

XMEOUT Parameters: *date, time, applid, tranid, termid, sysid*

DFHCR4301 *date time applid* **Transaction** *tranid* **not executed on terminal** *termid* **on system** *sysid***. Terminal invalid on that system**

Explanation: A request was made to schedule a task on remote system *sysid*. The request could not be executed because terminal *termid* is not defined on system *sysid*.

System Action: Other processing continues.

User Response: Ensure that terminal *termid* and transaction *tranid* are defined on system *sysid*.

Destination: CSMT

Module: DFHCRS

XMEOUT Parameters: *date, time, applid, tranid, termid, sysid*

DFHCR4302 *date time applid* **Transaction** *tranid* **not executed on terminal** *termid* **on system** *sysid***. Schedule request failed on that system**

Explanation: A request was made to schedule a task on remote system *sysid*. The request could not be executed.

System Action: Other processing continues.

User Response: Check the system definition tables of the remote system to determine why schedule requests might not be honored.

Destination: CSMT

Module: DFHCRS

XMEOUT Parameters: *date, time, applid, tranid, termid, sysid*

DFHCR4310 *date time applid* **Request from system** *sysid* **to initiate transaction** *tranid* **on that system on terminal** *termid* **was not executed. Transaction invalid on this system.**

Explanation: A request was received from remote system *sysid* to initiate transaction *tranid* on system *sysid* on terminal *termid*. The request could not be honored because transaction *tranid* is not defined in this system.

System Action: Processing continues.

User Response: Ensure that terminal *termid* and transaction *tranid* are defined on both systems.

Destination: CSMT

Module: DFHCRS

XMEOUT Parameters: *date, time, applid, sysid, tranid, termid*

DFHCR4311 *date time applid* **Request from system** *sysid* **to initiate transaction** *tranid* **on that system on terminal** *termid* **was not executed. Terminal invalid on this system.**

Explanation: A request was received from remote system *sysid* to initiate transaction *tranid* on system *sysid* on terminal *termid*. The request could not be honored because terminal *termid* is not defined on this system.

System Action: Processing continues.

User Response: Ensure that terminal *termid* and transaction *tranid* are defined on both systems.

Destination: CSMT

Module: DFHCRS

XMEOUT Parameters: *date, time, applid, sysid, tranid, termid*

DFHCR4312 *date time applid* **Request from system** *sysid* **to initiate transaction** *tranid* **on that system on terminal** *termid* **was not executed. Schedule request failed**

Explanation: A request was received from remote system *sysid* to initiate transaction *tranid* on system *sysid* on terminal *termid*. The request could not be honored because the schedule request failed.

System Action: Processing continues.

User Response: Check the system definition tables of the local system to determine why schedule requests might not be honored.

Destination: CSMT

Module: DFHCRS

XMEOUT Parameters: *date, time, applid, sysid, tranid, termid*

DFHCR4314 *date time applid* **Request to initiate transaction** *tranid* **on remotely owned terminal** *termid* **has been purged. Request was not deliverable to system** *sysid* **within the ATI purge delay time interval.**

Explanation: A request to initiate transaction *tranid* was not delivered to system *sysid*, probably because a link to system *sysid* had not been made available.

System Action: Processing continues.

User Response: Ensure that a link to system *sysid* is made available between issuing the transaction initiation request and the elapse of the ATI purge delay time interval.

Destination: CSMT

Module: DFHCRQ

XMEOUT Parameters: *date, time, applid, tranid, termid, sysid*

DFHCR4315 *date time applid* **Request to initiate transaction** *tranid* **on remotely owned terminal** *termid* **has been purged. System** *sysid* **has not responded within the ATI purge delay time interval.**

Explanation: A request to initiate transaction *tranid* was sent to system *sysid*. System *sysid* acknowledged the request but did not respond within the ATI purge delay time interval. If system *sysid* eventually responds, the task will not be executed.

System Action: Processing continues.

User Response: Determine why system *sysid* did not respond. The system did not respond because

1. the task started and abnormally terminated, or
2. the task failed a security check, or
3. system *sysid* abnormally terminated and all details of the request were lost.

Destination: CSMT

Module: DFHCRQ

XMEOUT Parameters: *date, time, applid, tranid, termid, sysid*

DFHCZxxxx CICS class libraries messages

In order to format CZ messages correctly in a DBCS environment, use the sit override MSGCASE=UPPER.

DFHCZ0105 *date time applid userid termid tranid program name* **CICS event summary:** *class*::*method* **condition=***X'resp'* **(***resptext***) minor=***X'resp2'*

Explanation: This message is issued whenever the method IccEvent::summary is called, and it gives the summary details of the event (CICS call).

For further guidance, see the *CICS Family C++ OO Class Libraries*.

System Action: The system creates an exception entry in the trace table and writes this message to the TD queue CCZM.

User Response: This message is issued for information only and there is no specific user action needed in response.

Destination: CCZM

Module: ICCEVTEC

XMEOUT Parameters: *date, time, applid, userid, termid, tranid, program name, class, method, X'resp', resptext, X'resp2'*

DFHCZ0106 *date time applid userid termid tranid program name* **CICS exception summary:** *exceptno class*::*method* **type=***type***.**

Explanation: This message is issued whenever the method IccException::summary is called, and it gives the summary details of the exception.

The message related to the exception can be obtained by calling the method IccException::message.

For further guidance, see the *CICS Family C++ OO Class Libraries*.

System Action: The system creates an exception entry in the trace table and writes this message to the TD queue CCZM.

User Response: This message is issued for information only and there is no specific user action needed in response.

Destination: CCZM

Module: ICCEXCEC

XMEOUT Parameters: *date, time, applid, userid, termid, tranid, program name, exceptno, class, method, type*

DFHCZ0108 *date time applid userid termid tranid program name class*::*method* **This method failed because an internal call to CICS returned the condition** *condition***.**

Explanation: The method reported in the message failed because an internal call to CICS returned a failure condition.

For further guidance, see the *CICS Family C++ OO Class Libraries*.

System Action: The system creates an exception entry in the trace table, writes this message to the TD queue CCZM, and throws an exception.

User Response: You need to correct the cause of the underlying CICS failure before retrying this command. You should look at other messages and the trace log for further indication of the root cause.

If the error condition persists, you will need assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CCZM

Module: ICCRESIC

XMEOUT Parameters: *date, time, applid, userid, termid, tranid, program name, class, method, condition*

DFHCZ0109 *date time applid userid termid tranid program name class*::*method* **This method failed because of a severe internal error. Diagnostic information:** *diaginfo1***,** *diaginfo2***.**

Explanation: The method reported in the message failed because of a severe internal error.

System Action: The system creates an exception entry in the trace table, writes this message to the TD queue CCZM, and throws an exception.

User Response: Make a note of the diagnostic information and contact IBM for assistance. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CCZM

Module: ICCBASIC, ICCCLKEC, ICCCTLEC, ICCFILEC, ICCFLIEC, ICCRESEC, ICCRESIC, ICCTIMEC, ICCTRMEC, ICCTSKEC

XMEOUT Parameters: *date, time, applid, userid, termid, tranid, program name, class, method, diaginfo1, diaginfo2*

DFHCZ0110 *date time applid userid termid tranid program name class*::*method* **This constructor/operator failed because it is not supported on the current platform of** *env***.**

Explanation: The constructor/operator reported in the message failed because it is not supported on the current platform (MVS).

For further guidance, see the *CICS Family C++ OO Class Libraries*.

System Action: The system creates an exception entry in the trace table, writes this message to the TD queue CCZM, and throws an exception.

User Response: If the calling program is user written then you need to establish why this program was running on an MVS platform; and then, either change the program not to call this method, or change the platform as appropriate.

If you are using vendor written software that fails in this way, you will need assistance from the vendor.

If the error condition persists, you will need assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CCZM

Module: ICCCONEC, ICCJRNEC, ICCRIDEC, ICCSESEC, ICCUSREC

XMEOUT Parameters: *date, time, applid, userid, termid, tranid, program name, class, method, env*

DFHCZ0111 *date time applid userid termid tranid program name class*::*method* **This constructor/operator failed because the system is configured with CICS family subset enforcement.**

Explanation: The method/operator reported in the message failed because CICS has been configured to restrict its functionality to that of the CICS family subset. This method/operator is not part of this subset.

For further guidance, see the *CICS Family C++ OO Class Libraries*.

System Action: The system creates an exception entry in the trace table, writes this message to the TD queue CCZM, and throws an exception.

User Response: If the calling program is user written, then you need to establish why this method/operator was called; and if appropriate, switch off the CICS family subset enforcement or change the program to avoid using this method/operator.

If you are using vendor written software that fails in this way then you will need assistance from the vendor.

If the error condition persists, you will need assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CCZM

Module: ICCCONEC, ICCJRNEC, ICCRIDEC, ICCSESEC, ICCUSREC

XMEOUT Parameters: *date, time, applid, userid, termid, tranid, program name, class, method*

DFHCZ0112 *date time applid userid termid tranid program name class*::*method* **This method failed because it is not supported on the current platform of** *env***.**

Explanation: The method reported in the message failed because it is not supported on the current platform (MVS).

For further guidance, see the *CICS Family C++ OO Class Libraries*.

System Action: The system creates an exception entry in the trace table, writes this message to the TD queue CCZM, and throws an exception.

User Response: If the calling program is user written then you need to establish why this program was running on an MVS platform, and then either change the program not to call this method or change the platform as appropriate.

If you are using vendor written software that fails in this way then you will need assistance from the vendor.

If the error condition persists, you will need assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CCZM

Module: ICCABDEC, ICCCLKEC, ICCCONEC, ICCCTLEC, ICCSESEC, ICCSRQIC, ICCTMDEC, ICCTRMEC, ICCTSKEC

XMEOUT Parameters: *date, time, applid, userid, termid, tranid, program name, class, method, env*

DFHCZ0113 *date time applid userid termid tranid program name class*::*method* **This method failed because the system is configured with CICS family subset enforcement.**

Explanation: The method reported in the message failed because CICS has been configured to restrict its functionality to that of the CICS family subset. This method is not part of this.

For further guidance, see the *CICS Family C++ OO Class Libraries*.

System Action: The system creates an exception entry in the trace table, writes this message to the TD queue CCZM, and throws an exception.

User Response: If the calling program is user written then you need to establish why this method was called, and if appropriate, switch off the CICS family subset enforcement or change the program to avoid using this method.

If you are using vendor written software that fails in this way then you will need assistance from the vendor.

If the error condition persists, you will need assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CCZM

Module: ICCABDEC, ICCCLKEC, ICCCONEC, ICCCTLEC, ICCSESEC, ICCSRQIC, ICCTMDEC, ICCTRMEC, ICCTSKEC

XMEOUT Parameters: *date, time, applid, userid, termid, tranid, program name, class, method*

DFHCZ0114 *date time applid userid termid tranid program name class*::*method* **This method failed because the object being accessed was incomplete.**

Explanation: The method reported in the message failed because the object being accessed was incomplete as shown below:

Method Name	**Required Resource**
IccSession::connectProcess	Partner Id

IccSession::convId	Conversation identifier name
IccSession::PIPList	PIP list
IccSession::process	Process name
IccSession::syncLevel	Sync level

For further guidance, see the *CICS Family C++ OO Class Libraries*.

System Action: The system creates an exception entry in the trace table, writes this message to the TD queue CCZM, and throws an exception.

User Response: If the calling program is user written then you need to change it so that the object being accessed, is built correctly.

If you are using vendor written software that fails in this way then you will need assistance from the vendor.

If the error condition persists, you will need assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CCZM

Module: ICCSESEC

XMEOUT Parameters: *date, time, applid, userid, termid, tranid, program name, class, method*

DFHCZ0115 *date time applid userid termid tranid program name class*::*method* **This method failed because the object being accessed had a reference to an input message while the program was invoked via the remote program link.**

Explanation: The method reported in the message failed because the object being accessed had a reference to an input message and was invoked through the use of the remote program link. This combination is not supported.

For further guidance, see the *CICS Family C++ OO Class Libraries*.

System Action: The system creates an exception entry in the trace table, writes this message to the TD queue CCZM, and throws an exception.

User Response: If the calling program is user written then you need to change it so that the object being accessed, either does not have an input message, or the program is not invoked through the use of the remote program link.

If you are using vendor written software that fails in this way then you will need assistance from the vendor.

If the error condition persists, you will need assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CCZM

Module: ICCPRGEC

XMEOUT Parameters: *date, time, applid, userid, termid, tranid, program name, class, method*

DFHCZ0116 *date time applid userid termid tranid program name class*::*method* **This method failed because the object being accessed was not one of the supported classes.**

Explanation: The method reported in the message failed because the object being accessed was not one of the supported classes; IccDataQueue, IccFile, IccFileIterator, IccProgram, IccStartRequestQ, IccTempStore.

For further guidance, see the *CICS Family C++ OO Class Libraries*.

System Action: The system creates an exception entry in the trace table, writes this message to the TD queue CCZM, and throws an exception.

User Response: If the calling program is user written then you need to change it so that the object is of the correct type before it is accessed in this way.

If you are using vendor written software that fails in this way then you will need assistance from the vendor.

If the error condition persists, you will need assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CCZM

Module: ICCRESEC

XMEOUT Parameters: *date, time, applid, userid, termid, tranid, program name, class, method*

DFHCZ0117 *date time applid userid termid tranid program name class*::*method* **This method failed because the object being accessed was of type** *object_type***.**

Explanation: The method reported in the message failed because the object being accessed was not of the correct type.

For example the method IccSession::extractProcess() is restricted to access objects of type Back-End only.

For further guidance, see the *CICS Family C++ OO Class Libraries*.

System Action: The system creates an exception entry in the trace table, writes this message to the TD queue CCZM, and throws an exception.

User Response: If the calling program is user written then you need either to change it or the related CICS definitions, so that the object is of the correct type before it is accessed in this way.

If you are using vendor written software that fails in this way then you will need assistance from the vendor.

If the error condition persists, you will need assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CCZM

Module: ICCSESEC

XMEOUT Parameters: *date, time, applid, userid, termid, tranid, program name, class, method, object_type*

DFHCZ0118 *date time applid userid termid tranid program name class*::*method* **This method failed because the object being accessed did not have a reference for the resource** *resource***.**

Explanation: The method reported in the message failed because the object being accessed did not have all the resources it needs allocated to it.

For example, the method call, IccFile::readRecord(mode, updateToken), would fail in this way if the object being accessed did not have a valid reference of a record index.

For further guidance, see the *CICS Family C++ OO Class Libraries*.

System Action: The system creates an exception entry in the trace table, writes this message to the TD queue CCZM, and throws an exception.

User Response: If the calling program is user written then you need to change it, so that the object has the correct resources allocated to it before it is accessed in this way.

If you are using vendor written software that fails in this way then you will need assistance from the vendor.

If the error condition persists, you will need assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CCZM

Module: ICCFILEC, ICCFILIC

XMEOUT Parameters: *date, time, applid, userid, termid, tranid, program name, class, method, resource*

DFHCZ0120 *date time applid userid termid tranid program name class*::*method* **This method failed because the current number of nested program calls made using this method is already at the maximum of** *max***.**

Explanation: The method reported in the message failed because its usage is restricted to a maximum of 15 nested calls, while the current request would cause this to be exceeded.

For further guidance, see the *CICS Family C++ OO Class Libraries*.

System Action: The system creates an exception entry in the trace table, writes this message to the TD queue CCZM, and throws an exception.

User Response: If the calling program is user written then you need to change it so that it does not cause the depth of nesting to exceed 15.

If you are using vendor written software that fails in this way then you will need assistance from the vendor.

If the error condition persists, you will need assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CCZM

Module: ICCPRGEC

XMEOUT Parameters: *date, time, applid, userid, termid, tranid, program name, class, method, max*

DFHCZ0121 *date time applid userid termid tranid program name class*::*method* **This method failed because the call is invalid for the object being accessed. The resource type of the object is** *resourcetype***.**

Explanation: The method reported in the message failed because the method is only valid for a restricted set of resource types, and is invalid for the object being accessed.

This method is valid for the following resource types; cDataQueue, cFile, cFileIterator, cProgram, cStartRequestQ, cTempStore.

For further guidance, see the *CICS Family C++ OO Class Libraries*.

System Action: The system creates an exception entry in the trace table, writes this message to the TD queue CCZM, and throws an exception.

User Response: If the calling program is user written then you need to change it so that it does not call this method for this type of object.

If you are using vendor written software that fails in this way then you will need assistance from the vendor.

If the error condition persists, you will need assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CCZM

Module: ICCFILEC

XMEOUT Parameters: *date, time, applid, userid, termid, tranid, program name, class, method, resourcetype*

DFHCZ0122 *date time applid userid termid tranid program name class*::*method* **This method failed because the optional parameter named** *pname* **was set, which is invalid for the current environment of** *env***.**

Explanation: The method reported in the message failed because it detected that an optional parameter was set which is invalid for the current environment.

For further guidance, see the *CICS Family C++ OO Class Libraries*.

System Action: The system creates an exception entry in the trace table, writes this message to the TD queue CCZM, and throws an exception.

User Response: If the calling program is user written then you need to establish why the optional parameter was being used, and if appropriate, change the environment or change the program to avoid using this option.

If you are using vendor written software that fails in this way then you will need assistance from the vendor.

If the error condition persists, you will need assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CCZM

Module: ICCFILEC ICCFLIIC ICCSEMEC ICCSESIC ICCSRQEC ICCSYSEC ICCTIMEC ICCTSKEC

XMEOUT Parameters: *date, time, applid, userid, termid, tranid, program name, class, method, pname, env*

DFHCZ0123 *date time applid userid termid tranid program name class*::*method* **This method failed because the optional parameter named** *pname* **was set, which is invalid because the system is configured with CICS family subset enforcement.**

Explanation: The method reported in the message failed because it detected that an optional parameter was set which is invalid when CICS is configured to restrict its functionality to that of the CICS family.

For further guidance, see the *CICS Family C++ OO Class Libraries*.

System Action: The system creates an exception entry in the trace table, writes this message to the TD queue CCZM, and throws an exception.

User Response: If the calling program is user written then you need to establish why the optional parameter was being used, and if appropriate, switch off the CICS family subset enforcement or change the program to avoid using this option.

If you are using vendor written software that fails in this way then you will need assistance from the vendor.

If the error condition persists, you will need assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CCZM

Module: ICCFILEC, ICCFLIIC, ICCSEMEC, ICCSESIC, ICCSRQEC, ICCSYSEC, ICCTIMEC, ICCTSKEC

XMEOUT Parameters: *date, time, applid, userid, termid, tranid, program name, class, method, pname*

DFHCZ0125 *date time applid userid termid tranid program name class*::*method* **This method failed because the object being accessed had a buffer containing function management headers(FMHs), which is invalid for the current environment of** *env***.**

Explanation: The method reported in the message failed because the system detected a buffer containing a function management header(FMH), which is invalid for the current environment.

FMH headers are used in SNA communication protocols and during 3270 terminal error conditions.

For further guidance, see the *CICS Family C++ OO Class Libraries*.

System Action: The system creates an exception entry in the trace table, writes this message to the TD queue CCZM, and throws an exception.

User Response: If the calling program is user written then you need to establish why the system used buffers containing FMH headers, and if appropriate, change the environment or change the program to avoid using this function.

If you are using vendor written software that fails in this way then you will need assistance from the vendor.

If the error condition persists, you will need assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CCZM

Module: ICCSRQEC

XMEOUT Parameters: *date, time, applid, userid, termid, tranid, program name, class, method, env*

DFHCZ0126 *date time applid userid termid tranid program name class*::*method* **This method failed because the object being accessed had a buffer containing function management headers(FMHs), which is invalid because the system is configured with CICS family subset enforcement.**

Explanation: The method reported in the message failed because the system detected a buffer containing a function management header(FMH), which is invalid when CICS is configured to restrict its functionality to that of the CICS family.

FMH headers are used in SNA communication protocols and during 3270 terminal error conditions.

For further guidance, see the *CICS Family C++ OO Class Libraries*.

System Action: The system creates an exception entry in the trace table, writes this message to the TD queue CCZM, and throws an exception.

User Response: If the calling program is user written then you need to establish why the system used a buffer containing FMH headers, and if appropriate, switch off CICS family subset enforcement or change the program to avoid using this function.

If you are using vendor written software that fails in this way then you will need assistance from the vendor.

If the error condition persists, you will need assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CCZM

Module: ICCSRQEC

XMEOUT Parameters: *date, time, applid, userid, termid, tranid, program name, class, method*

DFHCZ0127 *date time applid userid termid tranid program name class*::*method* **This method failed because the value of the parameter named** *pname***, specified as** *length***, was not within the range 1 to** *max***.**

Explanation: The method reported in the message failed because the value passed in for the named parameter was invalid.

For example, assuming the definition, IccResource::IccResourceId(cFileId,"ABC"), the call, assign(9999,"PQRS"), would fail because the length value of 9999 is invalid.

For further guidance, see the *CICS Family C++ OO Class Libraries*.

System Action: The system creates an exception entry in the trace table, writes this message to the TD queue CCZM, throws an exception, and completes the request having truncated the excess data.

User Response: If the calling program is user written then you need to check the invalid parameter on the calling statement, and if appropriate, change it.

If you are using vendor written software that fails in this way then you will need assistance from the vendor.

If the error condition persists, you will need assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CCZM

Module: ICCRIDEC

XMEOUT Parameters: *date, time, applid, userid, termid, tranid, program name, class, method, pname, length, max*

DFHCZ0128 *date time applid userid termid tranid program name class*::*method* **This method failed because the length of the parameter named** *pname***, specified as** *length***, was not within the range 1 to** *max***.**

Explanation:

This is an internal logic error.

System Action: The system creates an exception entry in the trace table, writes this message to the TD queue CCZM, and throws an exception.

User Response: You will need assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CCZM

Module: ICCSESEC

XMEOUT Parameters: *date, time, applid, userid, termid, tranid, program name, class, method, pname, length, max*

DFHCZ0129 *date time applid userid termid tranid program name class*::*method* **This method detected an exception which resulted in data being truncated.**

Explanation: The method/operator reported in the message failed because the target object was not big enough and could not be extended to accommodate the new string.

For example, assuming the definition, IccBuf buffer(5,IccBuf::fixed), the assignment, buffer = "toolong", would fail because the length of "toolong" is greater than 5. The resulting text value of the object buffer would be "toolo".

For further guidance, see the *CICS Family C++ OO Class Libraries*.

System Action: The system creates an exception entry in the trace table, writes this message to the TD queue CCZM, throws an

exception, and completes the request having truncated the excess data.

User Response: If the calling program is user written then you need to check the invalid parameter on the calling statement, and if appropriate, change it.

If you are using vendor written software that fails in this way then you will need assistance from the vendor.

If the error condition persists, you will need assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CCZM

Module: ICCBUFIC

XMEOUT Parameters: *date, time, applid, userid, termid, tranid, program name, class, method*

DFHCZ0130 *date time applid userid termid tranid program name class*::*method* **This method/operator failed because the parameter** *pname* **contained a string of length** *length***, while the maximum allowed is** *max***.**

Explanation: The method reported in the message failed because one of the string parameters supplied contained a value that was too long.

For example, the method call IccFileId::IccFileId("LONGFILENAME") would fail because the value "LONGFILENAME" is greater than IccGI::maxFileNameLength.

For further guidance, see the *CICS Family C++ OO Class Libraries*.

System Action: The system creates an exception entry in the trace table, writes this message to the TD queue CCZM, and throws an exception.

User Response: If the calling program is user written then you need to check the invalid parameter on the calling statement, and if appropriate, change it.

If you are using vendor written software that fails in this way then you will need assistance from the vendor.

If the error condition persists, you will need assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CCZM

Module: ICCCTLEC ICCRESEC ICCRIDEC ICCSRQEC ICCSRQIC ICCTSKEC ICCUSREC

XMEOUT Parameters: *date, time, applid, userid, termid, tranid, program name, class, method, pname, length, max*

DFHCZ0131 *date time applid userid termid tranid program name class*::*method* **This constructor failed to create an object because a parameter of type string contained a value that was too long. It was set to '***stringvalue***...' while the maximum length allowed is** *maxstringlength***.**

Explanation: The constructor method reported in the message failed because one of the string parameters supplied contained a value that was too long.

For example, the method call IccFileId::IccFileId("LONGFILENAME") would fail because the value "LONGFILENAME" is greater than IccGI::maxFileNameLength.

For further guidance, see the *CICS Family C++ OO Class Libraries*.

System Action: The system creates an exception entry in the trace table, writes this message to the TD queue CCZM, and throws an exception.

User Response: If the calling program is user written then you need to check the invalid parameter on the calling statement, and if appropriate, change it.

If you are using vendor written software that fails in this way then you will need assistance from the vendor.

If the error condition persists, you will need assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CCZM

Module: ICCRIDEC, ICCTIMEC

XMEOUT Parameters: *date, time, applid, userid, termid, tranid, program name, class, method, stringvalue, maxstringlength*

DFHCZ0132 *date time applid userid termid tranid program name class*::*method* **This constructor failed to create an object because the parameter named** *pname* **contained an invalid string of length** *plength* **while the maximum length allowed is** *pmaxlength***.**

Explanation:

This is an internal logic error.

System Action: The system creates an exception entry in the trace table, writes this message to the TD queue CCZM, and throws an exception.

User Response: You will need assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CCZM

Module: ICCSESIC

XMEOUT Parameters: *date, time, applid, userid, termid, tranid, program name, class, method, pname, plength, pmaxlength*

DFHCZ0134 *date time applid userid termid tranid program name class*::*method* **This method failed because the parameter named** *pname* **contained an invalid value.**

Explanation: The method reported in the message failed because one of the parameters supplied was invalid. For example, the method call IccFile::readRecord(999,updateToken) would fail because the read mode value of 999 is not within the valid range of 70 to 74.

For further guidance, see the *CICS Family C++ OO Class Libraries*.

System Action: The system creates an exception entry in the trace table, writes this message to the TD queue CCZM, and throws an exception.

User Response: If the calling program is user written then you need to check the invalid parameter on the calling statement, and if appropriate, change it.

If you are using vendor written software that fails in this way then you will need assistance from the vendor.

If the error condition persists, you will need assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CCZM

Module: ICCBASEC ICCBUFEC ICCCLKEC ICCFILEC ICCFLIIC ICCGLBEC ICCPRGEC ICCRESEC ICCSEMEC ICCSESEC ICCSESIC ICCSRQEC ICCSYSEC ICCTMPEC ICCTRMEC ICCTSKEC

XMEOUT Parameters: *date, time, applid, userid, termid, tranid, program name, class, method, pname*

DFHCZ0136 *date time applid userid termid tranid program name class*::*method* **This method failed because the parameter named** *param_name* **contained conflicting flags specified as** *flag1* **and** *flag2*.

Explanation: The method reported in the message failed because one of the parameters supplied was invalid.

This parameter of the method is defined as an integer, where each bit denotes a flag, some of which must not be set simultaneously. The calling parameter had a contradictory pair of flags set. For example, the method call IccFile::setAccess(3) would fail because the access value of 3 contains the two contradictory flags readable and notReadable.

For further guidance, see the *CICS Family C++ OO Class Libraries*.

System Action: The system creates an exception entry in the trace table, writes this message to the TD queue CCZM, and throws an exception.

User Response: If the calling program is user written then you need to check the invalid parameter on the calling statement, and if appropriate, change it.

If you are using vendor written software that fails in this way then you will need assistance from the vendor.

If the error condition persists, you will need assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CCZM

Module: ICCFILEC

XMEOUT Parameters: *date, time, applid, userid, termid, tranid, program name, class, method, param_name, flag1, flag2*

DFHCZ0137 *date time applid userid termid tranid program name class*::*method* **This constructor failed to create an object because the parameter named** *pname* **contained an invalid value of** *pvalue*.

Explanation: The method reported in the message failed because one of the parameters supplied was invalid.

This parameter of the method is restricted to a defined range, while the value supplied on the call was not within this range. For example, the the constructor method call IccJournalId::IccJournalId(987) would fail because the journalNum value of 987 is outside the range 1 to 99.

For further guidance, see the *CICS Family C++ OO Class Libraries*.

System Action: The system creates an exception entry in the trace table, writes this message to the TD queue CCZM, and throws an exception.

User Response: If the calling program is user written then you need to check the invalid parameter on the calling statement, and if appropriate, change it.

If you are using vendor written software that fails in this way then you will need assistance from the vendor.

If the error condition persists, you will need assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CCZM

Module: ICCRIDEC

XMEOUT Parameters: *date, time, applid, userid, termid, tranid, program name, class, method, pname, pvalue*

DFHCZ0138 *date time applid userid termid tranid program name class*::*method* **This method failed because the parameter named** *pname* **contained an invalid value of** *pvalue*.

Explanation: The method reported in the message failed because one of the parameters supplied was invalid.

This parameter of the method is defined as an integer (general sense), while the value supplied on the call was not sensible for the functional content of the method. For example the method call IccTerminal::sendLine(9876,buffer) would fail, because the column value of 9876 is greater than the height of the screen.

For further guidance, see the *CICS Family C++ OO Class Libraries*.

System Action: The system creates an exception entry in the trace table, writes this message to the TD queue CCZM, and throws an exception.

User Response: If the calling program is user written then you need to check the invalid parameter on the calling statement, and if appropriate, change it.

If you are using vendor written software that fails in this way then you will need assistance from the vendor.

If the error condition persists, you will need assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CCZM

Module: ICCBUFIC ICCCONEC ICCDATEC ICCFILEC ICCRIDEC ICCTIMEC ICCTMPEC ICCTRMEC ICCTSKEC

XMEOUT Parameters: *date, time, applid, userid, termid, tranid, program name, class, method, pname, pvalue*

DFHCZ0140 *date time applid userid termid tranid program name class*::*method* **This constructor failed to create an object because it is a singleton class which already exists.**

Explanation: The constructor method reported in the message failed to create an object because it is a singleton class which already exists. Such classes only allow a single instance of itself to exist at any one moment.

For further guidance, see the *CICS Family C++ OO Class Libraries*.

System Action: The system creates an exception entry in the trace table, writes this message to the TD queue CCZM, and throws an exception.

User Response: If the calling program is user written, then you need to change it so that it does not call this method more than once per transaction.

You might consider using the method instance(). All CICS singleton classes provide a method of this name or similar, which returns a reference to the unique object, creating it should it not pre-exist. This method can be safely called multiple times, each time returning the reference to the same object.

If you are using vendor written software that fails in this way then you will need assistance from the vendor.

If the error condition persists, you will need assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CCZM

Module: ICCABDEC ICCCONEC ICCCTLEC ICCSRQEC ICCSYSEC ICCTMDEC ICCTRMEC ICCTSKEC

XMEOUT Parameters: *date, time, applid, userid, termid, tranid, program name, class, method*

DFHCZ0141 *date time applid userid termid tranid program name class*::*method* **This method failed to create the object** *object* **because the CICS task did not have a terminal as its principal facility.**

Explanation: The method reported in the message failed to create an object because the CICS transaction was not defined with a terminal as its principal facility. Typically, the program calling this method, should be running as a terminal initiated transaction in a front end CICS region (TOR).

For further guidance, see the *CICS Family C++ OO Class Libraries*.

System Action: The system creates an exception entry in the trace table, writes this message to the TD queue CCZM, and throws an exception.

User Response: You need to change the CICS configuration definition so that the program calling this method runs in the correct environment.

If the error condition persists, you will need assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CCZM

Module: ICCCTLEC ICCTMDEC ICCTRMEC

XMEOUT Parameters: *date, time, applid, userid, termid, tranid, program name, class, method, object*

DFHCZ0142 *date time applid userid termid tranid program name class*::*method* **This method failed to create an object of type** *object* **because the CICS task did not have a session as its principal facility.**

Explanation: The method reported in the message failed to create an object because the CICS transaction was not defined with a session as its principal facility. Typically, the program calling this method would be running as a system initiated transaction relating to CICS distributed transaction processing.

For further guidance, see the *CICS Family C++ OO Class Libraries*.

System Action: The system creates an exception entry in the trace table, writes this message to the TD queue CCZM, and throws an exception.

User Response: You need to change the CICS configuration definition so that the program calling this method runs in the correct environment.

If the error condition persists, you will need assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CCZM

Module: ICCCTLEC

XMEOUT Parameters: *date, time, applid, userid, termid, tranid, program name, class, method, object*

DFHCZ0143 *date time applid userid termid tranid program name class*::*method* **This virtual method has not been implemented by the derived class.**

Explanation: The method of the class reported in the message has not been implemented by a derived class.

This method is defined as a virtual method with the intent that it is redefined, when appropriate, by its sub-classes.

The default implementation simply throws an exception to alert the user of this condition.

For further guidance, see the *CICS Family C++ OO Class Libraries*.

System Action: The system creates an exception entry in the trace table, writes this message to the TD queue CCZM, and throws an exception.

User Response: If you have written a class that inherits this class then you should provide a suitable implementation for this method.

If you are using vendor written software that may inherit this class then you will need assistance from the vendor.

If the error condition persists, you will need assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CCZM

Module: ICCRESEC

XMEOUT Parameters: *date, time, applid, userid, termid, tranid, program name, class, method*

DFHCZ0200 *date time applid userid termid tranid program name* **JNI call 'GetStringUTFChars(envp, SysId)' in** *module* **failed.**

Explanation: A JNI call, GetStringUTFChars(envp, SysId), in code written to support Java native methods used by the JCICS Java class library has failed.

System Action: The system writes this message to the TD queue CCZM and takes a system dump.

User Response: If the error condition persists, you will need assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CCZM

Module: DFJCZDTC (AttachInitiator.c)

XMEOUT Parameters: *date, time, applid, userid, termid, tranid, program name, module*

DFHCZ0201 *date time applid userid termid tranid program name* **JNI call 'GetStringUTFChars(envp, profile)' in** *module* **failed.**

Explanation: A JNI call, GetStringUTFChars(envp, profile), in code written to support Java native methods used by the JCICS Java class library has failed.

System Action: The system writes this message to the TD queue CCZM and takes a system dump.

User Response: If the error condition persists, you will need assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CCZM

Module: DFJCZDTC (AttachInitiator.c)

XMEOUT Parameters: *date, time, applid, userid, termid, tranid, program name, module*

DFHCZ0202 *date time applid userid termid tranid program name* **JNI call 'GetStringUTFChars(envp, process)' in** *module* **failed.**

Explanation: A JNI call, GetStringUTFChars(envp, process), in code written to support Java native methods used by the JCICS Java class library has failed.

System Action: The system writes this message to the TD queue CCZM and takes a system dump.

User Response: If the error condition persists, you will need assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CCZM

Module: DFJCZDTC (AttachInitiator.c)

XMEOUT Parameters: *date, time, applid, userid, termid, tranid, program name, module*

DFHCZ0203 *date time applid userid termid tranid program name* **The process name passed to the CONNECT_PROCESS method in** *module* **was invalid.**

Explanation: The process name passed to the native method CONNECT_PROCESS was invalid.

System Action: The system writes this message to the TD queue CCZM and ignores the invocation of CONNECT_PROCESS.

User Response: Ensure that the process name is set correctly using the setProcess() method on the correct AttachInitiator Java object.

Destination: CCZM

Module: DFJCZDTC (AttachInitiator.c)

XMEOUT Parameters: *date, time, applid, userid, termid, tranid, program name, module*

DFHCZ0204 *date time applid userid termid tranid program name* **JNI call 'GetFieldID() for DataHolder.value' in** *module* **failed.**

Explanation: A JNI call, GetFieldID() for DataHolder.value, in code written to support Java native methods used by the JCICS Java class library has failed.

System Action: The system writes this message to the TD queue CCZM and takes a system dump.

User Response: If the error condition persists, you will need assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CCZM

Module: DFJCZDTC (Conversation.c)

XMEOUT Parameters: *date, time, applid, userid, termid, tranid, program name, module*

DFHCZ0205 *date time applid userid termid tranid program name* **An unexpected value for the control parameter was passed to the ISSUE_CONTROL() method in** *module***.**

Explanation: An unexpected value for the control parameter was passed to the ISSUE_CONTROL() method.

System Action: The system writes this message to the TD queue CCZM and takes a system dump.

User Response: If the error condition persists, you will need assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CCZM

Module: DFJCZDTC (Conversation.c)

XMEOUT Parameters: *date, time, applid, userid, termid, tranid, program name, module*

DFHCZ0206 *date time applid userid termid tranid program name* **An attempt to issue an ASSIGN ABCODE command in** *module* **has failed.**

Explanation: Code written to support Java native methods used by the JCICS Java class library has unsuccessfully attempted to issue an ASSIGN ABEND.

System Action: The system writes this message to the TD queue CCZM and takes a system dump.

User Response: If the error condition persists, you will need assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CCZM

Module: DFJCZDTC (DTCAbend.c)

XMEOUT Parameters: *date, time, applid, userid, termid, tranid, program name, module*

DFHCZ0207 *date time applid userid termid tranid program name* **JNI call 'FindClass()' in** *module* **failed.**

Explanation: A JNI call, FindClass(), in code written to support Java native methods used by the JCICS Java class library has failed to find the class for CicsResponseConditionException.

System Action: The system writes this message to the TD queue CCZM and takes a system dump.

User Response: If the error condition persists, you will need assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CCZM

Module: DFJCZDTC (DTCCondition.c)

XMEOUT Parameters: *date, time, applid, userid, termid, tranid, program name, module*

DFHCZ0208 *date time applid userid termid tranid program name* **JNI call 'GetFieldID()' in** *module* **failed.**

Explanation: A JNI call, GetFieldID(), in code written to support Java native methods used by the JCICS Java class library has failed.

System Action: The system writes this message to the TD queue CCZM and takes a system dump.

User Response: If the error condition persists, you will need assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CCZM

Module: DFJCZDTC (DTCCondition.c)

XMEOUT Parameters: *date, time, applid, userid, termid, tranid, program name, module*

DFHCZ0209 *date time applid userid termid tranid program name* **JNI call 'GetStringUTFChars(envp, SysId)' in** *module* **failed.**

Explanation: A JNI call, GetStringUTFChars(envp, SysId), in code written to support Java native methods used by the JCICS Java class library has failed.

System Action: The system writes this message to the TD queue CCZM and takes a system dump.

User Response: If the error condition persists, you will need assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CCZM

Module: DFJCZDTC (DTCFile.c)

XMEOUT Parameters: *date, time, applid, userid, termid, tranid, program name, module*

DFHCZ0210 *date time applid userid termid tranid program name* **JNI call 'GetStringUTFChars(envp, fileName, NULL)' in** *module* **failed.**

Explanation: A JNI call, GetStringUTFChars(envp, fileName, NULL), in code written to support Java native methods used by the JCICS Java class library has failed.

System Action: The system writes this message to the TD queue CCZM and takes a system dump.

User Response: If the error condition persists, you will need assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CCZM

Module: DFJCZDTC (DTCFile.c)

XMEOUT Parameters: *date, time, applid, userid, termid, tranid, program name, module*

DFHCZ0211 *date time applid userid termid tranid program name* **A NULL filename has been passed to a native method in** *module***.**

Explanation: A NULL filename has been passed to a native method used by the JCICS Java class library.

System Action: The system writes this message to the TD queue CCZM and ignores the request.

User Response: Ensure that a valid file name has been specified using the setName() method for each relevant file object.

If the error condition persists, you will need assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CCZM

Module: DFJCZDTC (DTCFile.c)

XMEOUT Parameters: *date, time, applid, userid, termid, tranid, program name, module*

DFHCZ0212 *date time applid userid termid tranid program name* **JNI call 'GetStringUTFChars()' in** *module* **failed.**

Explanation: A JNI call, GetStringUTFChars(), in code written to support Java native methods used by the JCICS Java class library has failed.

System Action: The system writes this message to the TD queue CCZM and takes a system dump.

User Response: If the error condition persists, you will need assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CCZM

Module: DFJCZDTC (DTCFile.c)

XMEOUT Parameters: *date, time, applid, userid, termid, tranid, program name, module*

DFHCZ0213 *date time applid userid termid tranid program name* **A NULL filename has been passed to a native method in** *module***.**

Explanation: A NULL filename has been passed to a native method used by the JCICS Java class library.

System Action: The system writes this message to the TD queue CCZM and ignores the request.

User Response: Ensure that a valid file name has been specified using the setName() method for each relevant file object.

If the error condition persists, you will need assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CCZM

Module: DFJCZDTC (DTCFile.c)

XMEOUT Parameters: *date, time, applid, userid, termid, tranid, program name, module*

DFHCZ0214 *date time applid userid termid tranid program name* **JNI call 'GetStringUTFChars(envp, SysId)' in** *module* **failed.**

Explanation: A JNI call, GetStringUTFChars(envp, SysId), in code written to support Java native methods used by the JCICS Java class library has failed.

System Action: The system writes this message to the TD queue CCZM and takes a system dump.

User Response: If the error condition persists, you will need assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CCZM

Module: DFJCZDTC (DTCFile.c)

XMEOUT Parameters: *date, time, applid, userid, termid, tranid, program name, module*

DFHCZ0215 *date time applid userid termid tranid program name* **An attempt in** *module* **to delete records from a KSDS has failed.**

Explanation: An attempt to delete records from a KSDS in code written to support Java native methods used by the JCICS Java class library has failed.

System Action: The system writes this message to the TD queue CCZM. A Java exception or error will be thrown.

User Response: Add appropriate code to the application to catch the exception or error thrown by the JCICS Java class library.

If the error condition persists, you will need assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CCZM

Module: DFJCZDTC (DTCFile.c)

XMEOUT Parameters: *date, time, applid, userid, termid, tranid, program name, module*

DFHCZ0216 *date time applid userid termid tranid program name* **A relative record number greater than 32767 has been specified on a DELETE command in** *module***.**

Explanation: A relative record number greater than 32766 has been passed to a Java native method used by the JCICS Java class library.

System Action: The system writes this message to the TD queue CCZM and ignores the request.

User Response: Ensure that the value specified on the relevant delete() method is valid.

If the error condition persists, you will need assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CCZM

Module: DFJCZDTC (DTCFile.c)

XMEOUT Parameters: *date, time, applid, userid, termid, tranid, program name, module*

DFHCZ0217 *date time applid userid termid tranid program name* **An attempt in** *module* **to delete records from an RRDS has failed.**

Explanation: An attempt to delete records from an RRDS in code written to support Java native methods used by the JCICS Java class library has failed.

System Action: The system writes this message to the TD queue CCZM. A Java exception or error will be thrown.

User Response: Add appropriate code to the application to catch the exception or error thrown by the JCICS Java class library.

If the error condition persists, you will need assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CCZM

Module: DFJCZDTC (DTCFile.c)

XMEOUT Parameters: *date, time, applid, userid, termid, tranid, program name, module*

DFHCZ0218 *date time applid userid termid tranid program name* **JNI call 'GetFieldID()' in** *module* **failed.**

Explanation: A JNI call, GetFieldID(), in code written to support Java native methods used by the JCICS Java class library has failed.

System Action: The system writes this message to the TD queue CCZM and takes a system dump.

User Response: If the error condition persists, you will need assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CCZM

Module: DFJCZDTC (DTCFile.c)

XMEOUT Parameters: *date, time, applid, userid, termid, tranid, program name, module*

DFHCZ0220 *date time applid userid termid tranid program name* **JNI call 'GetStringUTFChars()' in** *module* **failed.**

Explanation: A JNI call, GetStringUTFChars(), in code written to support Java native methods used by the JCICS Java class library has failed.

System Action: The system writes this message to the TD queue CCZM and takes a system dump.

User Response: If the error condition persists, you will need assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CCZM

Module: DFJCZDTC (DTCFile.c)

XMEOUT Parameters: *date, time, applid, userid, termid, tranid, program name, module*

DFHCZ0221 *date time applid userid termid tranid program name* **A NULL filename has been passed to a native method in** *module***.**

Explanation: A NULL filename has been passed to a native method used by the JCICS Java class library.

System Action: The system writes this message to the TD queue CCZM, and ignores the request.

User Response: Ensure that a valid file name has been specified using the setName() method for each relevant file object.

If the error condition persists, you will need assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CCZM

Module: DFJCZDTC (DTCFile.c)

XMEOUT Parameters: *date, time, applid, userid, termid, tranid, program name, module*

DFHCZ0222 *date time applid userid termid tranid program name* **JNI call 'GetStringUTFChars()' in** *module* **failed.**

Explanation: A JNI call, GetStringUTFChars(), in code written to support Java native methods used by the JCICS Java class library has failed.

System Action: The system writes this message to the TD queue CCZM and takes a system dump.

User Response: If the error condition persists, you will need assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CCZM

Module: DFJCZDTC (DTCFile.c)

XMEOUT Parameters: *date, time, applid, userid, termid, tranid, program name, module*

DFHCZ0223 *date time applid userid termid tranid program name* **A NULL filename has been passed to a native method in** *module***.**

Explanation: A NULL filename has been passed to a native method used by the JCICS Java class library.

System Action: The system writes this message to the TD queue CCZM and ignores the request.

User Response: Ensure that a valid file name has been specified using the setName() method for each relevant file object.

If the error condition persists, you will need assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CCZM

Module: DFJCZDTC (DTCFile.c)

XMEOUT Parameters: *date, time, applid, userid, termid, tranid, program name, module*

DFHCZ0224 *date time applid userid termid tranid program name* **JNI call 'GetByteArrayElements()' in** *module* **failed.**

Explanation: A JNI call, GetByteArrayElements(), in code written to support Java native methods used by the JCICS Java class library has failed.

System Action: The system writes this message to the TD queue CCZM and takes a system dump.

User Response: If the error condition persists, you will need assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CCZM

Module: DFJCZDTC (DTCFile.c)

XMEOUT Parameters: *date, time, applid, userid, termid, tranid, program name, module*

DFHCZ0225 *date time applid userid termid tranid program name* **A NULL key has been passed to a native method in** *module***.**

Explanation: A NULL key has been passed to a Java native method used by the JCICS Java class library.

System Action: The system writes this message to the TD queue CCZM and ignores the request.

User Response: Ensure that all relevant reset() methods executed against KeyedFileBrowse objects specify a valid key.

If the error condition persists, you will need assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CCZM

Module: DFJCZDTC (DTCFile.c)

XMEOUT Parameters: *date, time, applid, userid, termid, tranid, program name, module*

DFHCZ0226 *date time applid userid termid tranid program name* **JNI call 'GetStringUTFChars()' in** *module* **failed.**

Explanation: A JNI call, GetStringUTFChars(), in code written to support Java native methods used by the JCICS Java class library has failed.

System Action: The system writes this message to the TD queue CCZM and takes a system dump.

User Response: If the error condition persists, you will need assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CCZM

Module: DFJCZDTC (DTCFile.c)

XMEOUT Parameters: *date, time, applid, userid, termid, tranid, program name, module*

DFHCZ0227 *date time applid userid termid tranid program name* **A NULL filename has been passed to a native method in** *module***.**

Explanation: A NULL filename has been passed to a native method used by the JCICS Java class library.

System Action: The system writes this message to the TD queue CCZM and ignores the request.

User Response: Ensure that a valid file name has been specified using the setName() method for each relevant file object.

If the error condition persists, you will need assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CCZM

Module: DFJCZDTC (DTCFile.c)

XMEOUT Parameters: *date, time, applid, userid, termid, tranid, program name, module*

DFHCZ0228 *date time applid userid termid tranid program name* **JNI call 'GetByteArrayElements()' in** *module* **failed.**

Explanation: A JNI call, GetByteArrayElements(), in code written to support Java native methods used by the JCICS Java class library has failed.

System Action: The system writes this message to the TD queue CCZM and takes a system dump.

User Response: If the error condition persists, you will need assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CCZM

Module: DFJCZDTC (DTCFile.c)

XMEOUT Parameters: *date, time, applid, userid, termid, tranid, program name, module*

DFHCZ0229 *date time applid userid termid tranid program name* **JNI call 'GetByteArrayElements()' in** *module* **failed.**

Explanation: A JNI call, GetByteArrayElements(), in code written to support Java native methods used by the JCICS Java class library has failed.

System Action: The system writes this message to the TD queue CCZM and takes a system dump.

User Response: If the error condition persists, you will need assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CCZM

Module: DFJCZDTC (DTCFile.c)

XMEOUT Parameters: *date, time, applid, userid, termid, tranid, program name, module*

DFHCZ0230 *date time applid userid termid tranid program name* **An attempt to allocate storage in** *module* **failed.**

Explanation: An attempt to obtain storage, for use as a RIDFLD parameter, in code written to support Java native methods used by the JCICS Java class library has failed.

System Action: The system writes this message to the TD queue CCZM and takes a system dump.

User Response: If the error condition persists, you will need assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CCZM

Module: DFJCZDTC (DTCFile.c)

XMEOUT Parameters: *date, time, applid, userid, termid, tranid, program name, module*

DFHCZ0231 *date time applid userid termid tranid program name* **JNI call 'GetStringUTFChars(envp, SysId)' in** *module* **failed.**

Explanation: A JNI call, GetStringUTFChars(envp, SysId), in code written to support Java native methods used by the JCICS Java class library has failed.

System Action: The system writes this message to the TD queue CCZM and takes a system dump.

User Response: If the error condition persists, you will need assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CCZM

Module: DFJCZDTC (DTCFile.c)

XMEOUT Parameters: *date, time, applid, userid, termid, tranid, program name, module*

DFHCZ0232 *date time applid userid termid tranid program name* **JNI call 'GetStringUTFChars()' in** *module* **failed.**

Explanation: A JNI call, GetStringUTFChars(), in code written to support Java native methods used by the JCICS Java class library has failed.

System Action: The system writes this message to the TD queue CCZM and takes a system dump.

User Response: If the error condition persists, you will need assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CCZM

Module: DFJCZDTC (DTCFile.c)

XMEOUT Parameters: *date, time, applid, userid, termid, tranid, program name, module*

DFHCZ0233 *date time applid userid termid tranid program name* **A NULL filename has been passed to a native method in** *module***.**

Explanation: A NULL filename has been passed to a native method used by the JCICS Java class library.

System Action: The system writes this message to the TD queue CCZM and ignores the request.

User Response: Ensure that a valid file name has been specified using the setName() method for each relevant file object.

If the error condition persists, you will need assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CCZM

Module: DFJCZDTC (DTCFile.c)

XMEOUT Parameters: *date, time, applid, userid, termid, tranid, program name, module*

DFHCZ0234 *date time applid userid termid tranid program name* **JNI call 'GetStringUTFChars(envp, SysId)' in** *module* **failed.**

Explanation: A JNI call, GetStringUTFChars(envp, SysId), in code written to support Java native methods used by the JCICS Java class library has failed.

System Action: The system writes this message to the TD queue CCZM and takes a system dump.

User Response: If the error condition persists, you will need assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CCZM

Module: DFJCZDTC (DTCFile.c)

XMEOUT Parameters: *date, time, applid, userid, termid, tranid, program name, module*

DFHCZ0235 *date time applid userid termid tranid program name* **JNI call 'GetStringUTFChars(envp, SysId)' in** *module* **failed.**

Explanation: A JNI call, GetStringUTFChars(envp, SysId), in code written to support Java native methods used by the JCICS Java class library has failed.

System Action: The system writes this message to the TD queue CCZM and takes a system dump.

User Response: If the error condition persists, you will need assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CCZM

Module: DFJCZDTC (DTCProgram.c)

XMEOUT Parameters: *date, time, applid, userid, termid, tranid, program name, module*

DFHCZ0236 *date time applid userid termid tranid program name* **JNI call 'GetStringUTFChars(envp, TransId)' in** *module* **failed.**

Explanation: A JNI call, GetStringUTFChars(envp, TransId), in code written to support Java native methods used by the JCICS Java class library has failed.

System Action: The system writes this message to the TD queue CCZM and takes a system dump.

User Response: If the error condition persists, you will need assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CCZM

Module: DFJCZDTC (DTCProgram.c)

XMEOUT Parameters: *date, time, applid, userid, termid, tranid, program name, module*

DFHCZ0237 *date time applid userid termid tranid program name* **JNI call 'GetFieldID()' for 'DataLength.Length' in** *module* **failed.**

Explanation: A JNI call, GetFieldID(), in code written to support Java native methods used by the JCICS Java class library has failed.

System Action: The system writes this message to the TD queue CCZM and takes a system dump.

User Response: If the error condition persists, you will need assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CCZM

Module: DFJCZDTC (DTCProgram.c)

XMEOUT Parameters: *date, time, applid, userid, termid, tranid, program name, module*

DFHCZ0238 *date time applid userid termid tranid program name* **JNI call 'FindClass()' in** *module* **failed.**

Explanation: A JNI call, FindClass() to find the class for EndOfProgramException, in code written to support Java native methods used by the JCICS Java class library has failed.

System Action: The system writes this message to the TD queue CCZM and takes a system dump.

User Response: If the error condition persists, you will need assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CCZM

Module: DFJCZDTC (DTCProgram.c)

XMEOUT Parameters: *date, time, applid, userid, termid, tranid, program name, module*

DFHCZ0239 *date time applid userid termid tranid program name* **JNI call 'ThrowNew()' in** *module* **failed.**

Explanation: A JNI call, ThrowNew(), in code written to support Java native methods used by the JCICS Java class library has failed.

System Action: The system writes this message to the TD queue CCZM and takes a system dump.

User Response: If the error condition persists, you will need assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CCZM

Module: DFJCZDTC (DTCProgram.c)

XMEOUT Parameters: *date, time, applid, userid, termid, tranid, program name, module*

DFHCZ0240 *date time applid userid termid tranid program name* **JNI call 'FindClass()' in** *module* **failed.**

Explanation: A JNI call, FindClass(), to find the class for TransferOfControlException, in code written to support Java native methods used by the JCICS Java class library has failed.

System Action: The system writes this message to the TD queue CCZM and takes a system dump.

User Response: If the error condition persists, you will need assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CCZM

Module: DFJCZDTC (DTCProgram.c)

XMEOUT Parameters: *date, time, applid, userid, termid, tranid, program name, module*

DFHCZ0241 *date time applid userid termid tranid program name* **JNI call 'ThrowNew()' in** *module* **failed.**

Explanation: A JNI call, ThrowNew(), to throw a TransferOfControlException, in code written to support Java native methods used by the JCICS Java class library has failed.

System Action: The system writes this message to the TD queue CCZM and takes a system dump.

User Response: If the error condition persists, you will need assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CCZM

Module: DFJCZDTC (DTCProgram.c)

XMEOUT Parameters: *date, time, applid, userid, termid, tranid, program name, module*

DFHCZ0242 *date time applid userid termid tranid program name* **JNI call 'FindClass()' in** *module* **failed.**

Explanation: A JNI call, FindClass(), to find the class for TransferOfControlException, in code written to support Java native methods used by the JCICS Java class library has failed.

System Action: The system writes this message to the TD queue CCZM and takes a system dump.

User Response: If the error condition persists, you will need assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CCZM

Module: DFJCZDTC (DTCProgram.c)

XMEOUT Parameters: *date, time, applid, userid, termid, tranid, program name, module*

DFHCZ0243 *date time applid userid termid tranid program name* **JNI call 'ThrowNew()' in** *module* **failed.**

Explanation: A JNI call, ThrowNew(), to throw TransferOfControlException, in code written to support Java native methods used by the JCICS Java class library has failed.

System Action: The system writes this message to the TD queue CCZM and takes a system dump.

User Response: If the error condition persists, you will need assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CCZM

Module: DFJCZDTC (DTCProgram.c)

XMEOUT Parameters: *date, time, applid, userid, termid, tranid, program name, module*

DFHCZ0244 *date time applid userid termid tranid program name* **An attempt to issue an ASSIGN APPLID SYSID command in** *module* **has failed.**

Explanation: Code written to support Java native methods used by the JCICS Java class library has unsuccessfully attempted to issue an ASSIGN APPLID(...) SYSID(...).

System Action: The system writes this message to the TD queue CCZM and takes a system dump.

User Response: If the error condition persists, you will need assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CCZM

Module: DFJCZDTC (DTCAbend.c)

XMEOUT Parameters: *date, time, applid, userid, termid, tranid, program name, module*

DFHCZ0245 *date time applid userid termid tranid program name* **JNI call 'FindClass()' in** *module* **failed.**

Explanation: A JNI call, FindClass(), in code written to support Java native methods used by the JCICS Java class library has failed.

System Action: The system writes this message to the TD queue CCZM and takes a system dump.

User Response: If the error condition persists, you will need assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CCZM

Module: DFJCZDTC (DTCSupport.c)

XMEOUT Parameters: *date, time, applid, userid, termid, tranid, program name, module*

DFHCZ0246 *date time applid userid termid tranid program name* **JNI call 'ThrowNew()' in** *module* **failed.**

Explanation: A JNI call, ThrowNew(), in code written to support Java native methods used by the JCICS Java class library has failed.

System Action: The system writes this message to the TD queue CCZM and takes a system dump.

User Response: If the error condition persists, you will need assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CCZM

Module: DFJCZDTC (DTCSupport.c)

XMEOUT Parameters: *date, time, applid, userid, termid, tranid, program name, module*

DFHCZ0247 *date time applid userid termid tranid program name* **A 'malloc' in** *module* **failed.**

Explanation: A malloc in code written to support Java native methods used by the JCICS Java class library has failed.

System Action: The system writes this message to the TD queue CCZM and takes a system dump.

User Response: Increase the amount of heap storage available to the application.

If the error condition persists, you will need assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CCZM

Module: DFJCZDTC (DTCSupport.c)

XMEOUT Parameters: *date, time, applid, userid, termid, tranid, program name, module*

DFHCZ0248 *date time applid userid termid tranid program name* **A 'malloc' in** *module* **failed.**

Explanation: A malloc in code written to support Java native methods used by the JCICS Java class library has failed.

System Action: The system writes this message to the TD queue CCZM and takes a system dump.

User Response: Increase the amount of heap storage available to the application.

If the error condition persists, you will need assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CCZM

Module: DFJCZDTC (DTCSupport.c)

XMEOUT Parameters: *date, time, applid, userid, termid, tranid, program name, module*

DFHCZ0249 *date time applid userid termid tranid program name* **JNI call 'FindClass(envp,** *classname***)' in** *module* **failed.**

Explanation: A JNI call, FindClass(), for the named class in code written to support Java native methods used by the JCICS Java class library has failed.

System Action: The system writes this message to the TD queue CCZM and takes a system dump.

User Response: If the error condition persists, you will need assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CCZM

Module: DFJCZDTC (DTCSupport.c)

XMEOUT Parameters: *date, time, applid, userid, termid, tranid, program name, classname, module*

DFHCZ0250 *date time applid userid termid tranid program name* **JNI call 'ThrowNew()' in** *module* **failed.**

Explanation: A JNI call, ThrowNew(), in code written to support Java native methods used by the JCICS Java class library has failed.

System Action: The system writes this message to the TD queue CCZM and takes a system dump.

User Response: If the error condition persists, you will need assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CCZM

Module: DFJCZDTC (DTCSupport.c)

XMEOUT Parameters: *date, time, applid, userid, termid, tranid, program name, module*

DFHCZ0253 *date time applid userid termid tranid program name* **JNI call 'NewByteArray()' in** *module* **failed.**

Explanation: A JNI call, NewByteArray(), in code written to support Java native methods used by the JCICS Java class library has failed.

System Action: The system writes this message to the TD queue CCZM and takes a system dump.

User Response: If the error condition persists, you will need assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CCZM

Module: DFJCZDTC (DTCSupport.c)

XMEOUT Parameters: *date, time, applid, userid, termid, tranid, program name, module*

DFHCZ0254 *date time applid userid termid tranid program name* **JNI call 'FindClass()' in** *module* **failed.**

Explanation: A JNI call, FindClass(), in code written to support Java native methods used by the JCICS Java class library has failed.

System Action: The system writes this message to the TD queue CCZM and takes a system dump.

User Response: If the error condition persists, you will need assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CCZM

Module: DFJCZDTC (DTCSupport.c)

XMEOUT Parameters: *date, time, applid, userid, termid, tranid, program name, module*

DFHCZ0255 *date time applid userid termid tranid program name* **JNI call 'ThrowNew()' in** *module* **failed.**

Explanation: A JNI call, ThrowNew(), in code written to support Java native methods used by the JCICS Java class library has failed.

System Action: The system writes this message to the TD queue CCZM and takes a system dump.

User Response: If the error condition persists, you will need assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CCZM

Module: DFJCZDTC (DTCSupport.c)

XMEOUT Parameters: *date, time, applid, userid, termid, tranid, program name, module*

DFHCZ0256 *date time applid userid termid tranid program name* **JNI call 'GetFieldID()' failed in** *module***.**

Explanation: A JNI call, GetFieldID(), in code written to support Java native methods used by the JCICS Java class library has failed.

System Action: The system writes this message to the TD queue CCZM and takes a system dump.

User Response: If the error condition persists, you will need assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CCZM

Module: DFJCZDTC (DTCSupport.c)

XMEOUT Parameters: *date, time, applid, userid, termid, tranid, program name, module*

DFHCZ0257 *date time applid userid termid tranid program name* **JNI call 'GetMethodID()' in** *module* **failed.**

Explanation: A JNI call, GetMethodID() for setState(), in code written to support Java native methods used by the JCICS Java class library has failed.

System Action: The system writes this message to the TD queue CCZM and takes a system dump.

User Response: If the error condition persists, you will need assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CCZM

Module: DFJCZDTC (DTCSupport.c)

XMEOUT Parameters: *date, time, applid, userid, termid, tranid, program name, module*

DFHCZ0258 *date time applid userid termid tranid program name* **JNI call 'GetMethodID()' in** *module* **failed.**

Explanation: A JNI call, GetMethodID() for setConvId(), in code written to support Java native methods used by the JCICS Java class library has failed.

System Action: The system writes this message to the TD queue CCZM and takes a system dump.

User Response: If the error condition persists, you will need assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CCZM

Module: DFJCZDTC (DTCSupport.c)

XMEOUT Parameters: *date, time, applid, userid, termid, tranid, program name, module*

DFHCZ0259 *date time applid userid termid tranid program name* **An attempt to allocate storage in** *module* **failed.**

Explanation: An attempt to obtain storage in code written to support Java native methods used by the JCICS Java class library has failed.

System Action: The system writes this message to the TD queue CCZM and takes a system dump.

User Response: If the error condition persists, you will need assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CCZM

Module: DFJCZDTC (DTCFile.c)

XMEOUT Parameters: *date, time, applid, userid, termid, tranid, program name, module*

DFHCZ0260 *date time applid userid termid tranid program name* **JNI call 'NewObject()' in** *module* **failed.**

Explanation: A JNI call, NewObject(), to construct a Conversation object, in code written to support Java native methods used by the JCICS Java class library has failed.

System Action: The system writes this message to the TD queue CCZM and takes a system dump.

User Response: If the error condition persists, you will need assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CCZM

Module: DFJCZDTC (DTCSupport.c)

XMEOUT Parameters: *date, time, applid, userid, termid, tranid, program name, module*

DFHCZ0261 *date time applid userid termid tranid program name* **JNI call 'GetMethodID()' in** *module* **failed.**

Explanation: A JNI call, GetMethodID(), to find the constructor for Conversation, in code written to support Java native methods used by the JCICS Java class library has failed.

System Action: The system writes this message to the TD queue CCZM and takes a system dump.

User Response: If the error condition persists, you will need assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CCZM

Module: DFJCZDTC (DTCSupport.c)

XMEOUT Parameters: *date, time, applid, userid, termid, tranid, program name, module*

DFHCZ0262 *date time applid userid termid tranid program name* **JNI call 'FindClass()' in** *module* **failed.**

Explanation: A JNI call, FindClass(), to find com/ibm/cics/server/Conversation, in code written to support Java native methods used by the JCICS Java class library has failed.

System Action: The system writes this message to the TD queue CCZM and takes a system dump.

User Response: If the error condition persists, you will need assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CCZM

Module: DFJCZDTC (DTCSupport.c)

XMEOUT Parameters: *date, time, applid, userid, termid, tranid, program name, module*

DFHCZ0263 *date time applid userid termid tranid program name* **An attempt to allocate storage in** *module* **failed.**

Explanation: An attempt to obtain storage in code written to support Java native methods used by the JCICS Java class library has failed.

System Action: The system writes this message to the TD queue CCZM and takes a system dump.

User Response: If the error condition persists, you will need assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CCZM

Module: DFJCZDTC (DTCFile.c)

XMEOUT Parameters: *date, time, applid, userid, termid, tranid, program name, module*

DFHCZ0264 *date time applid userid termid tranid program name* **JNI call 'CallVoidMethod()' in** *module* **failed.**

Explanation: A JNI call, CallVoidMethod(), in code written to support Java native methods used by the JCICS Java class library has failed.

System Action: The system writes this message to the TD queue CCZM and takes a system dump.

User Response: If the error condition persists, you will need assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CCZM

Module: DFJCZDTC (DTCSupport.c)

XMEOUT Parameters: *date, time, applid, userid, termid, tranid, program name, module*

DFHCZ0265 *date time applid userid termid tranid program name* **JNI call 'GetMethodID()' in** *module* **failed.**

Explanation: A JNI call, GetMethodID() for setConvId(), in code written to support Java native methods used by the JCICS Java class library has failed.

System Action: The system writes this message to the TD queue CCZM and takes a system dump.

User Response: If the error condition persists, you will need assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CCZM

Module: DFJCZDTC (DTCSupport.c)

XMEOUT Parameters: *date, time, applid, userid, termid, tranid, program name, module*

DFHCZ0266 *date time applid userid termid tranid program name* **JNI call 'CallVoidMethod()' in** *module* **failed.**

Explanation: A JNI call, CallVoidMethod(), in code written to support Java native methods used by the JCICS Java class library has failed.

System Action: The system writes this message to the TD queue CCZM and takes a system dump.

User Response: If the error condition persists, you will need assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CCZM

Module: DFJCZDTC (DTCSupport.c)

XMEOUT Parameters: *date, time, applid, userid, termid, tranid, program name, module*

DFHCZ0267 *date time applid userid termid tranid program name* **JNI call 'CallVoidMethod()' in** *module* **failed.**

Explanation: A JNI call, CallVoidMethod() for setState(), in code written to support Java native methods used by the JCICS Java class library has failed.

System Action: The system writes this message to the TD queue CCZM and takes a system dump.

User Response: If the error condition persists, you will need assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CCZM

Module: DFJCZDTC (DTCSupport.c)

XMEOUT Parameters: *date, time, applid, userid, termid, tranid, program name, module*

DFHCZ0268 *date time applid userid termid tranid program name* **JNI call 'CallVoidMethod()' in** *module* **failed.**

Explanation: A JNI call, CallVoidMethod(), in code written to support Java native methods used by the JCICS Java class library has failed.

System Action: The system writes this message to the TD queue CCZM and takes a system dump.

User Response: If the error condition persists, you will need

assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CCZM

Module: DFJCZDTC (DTCSupport.c)

XMEOUT Parameters: *date, time, applid, userid, termid, tranid, program name, module*

DFHCZ0269 *date time applid userid termid tranid program name* **JNI call 'GetMethodID()' in** *module* **failed.**

Explanation: A JNI call, GetMethodID() for setProcess(), in code written to support Java native methods used by the JCICS Java class library has failed.

System Action: The system writes this message to the TD queue CCZM and takes a system dump.

User Response: If the error condition persists, you will need assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CCZM

Module: DFJCZDTC (DTCSupport.c)

XMEOUT Parameters: *date, time, applid, userid, termid, tranid, program name, module*

DFHCZ0270 *date time applid userid termid tranid program name* **JNI call 'CallVoidMethod()' in** *module* **failed.**

Explanation: A JNI call, CallVoidMethod(), in code written to support Java native methods used by the JCICS Java class library has failed.

System Action: The system writes this message to the TD queue CCZM and takes a system dump.

User Response: If the error condition persists, you will need assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CCZM

Module: DFJCZDTC (DTCSupport.c)

XMEOUT Parameters: *date, time, applid, userid, termid, tranid, program name, module*

DFHCZ0271 *date time applid userid termid tranid program name* **JNI call 'GetMethodID()' in** *module* **failed.**

Explanation: A JNI call, GetMethodID(), in code written to support Java native methods used by the JCICS Java class library has failed.

System Action: The system writes this message to the TD queue CCZM and takes a system dump.

User Response: If the error condition persists, you will need assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CCZM

Module: DFJCZDTC (DTCSupport.c)

XMEOUT Parameters: *date, time, applid, userid, termid, tranid, program name, module*

DFHCZ0272 *date time applid userid termid tranid program name* **JNI call 'CallVoidMethod()' in** *module* **failed.**

Explanation: A JNI call, CallVoidMethod(), in code written to support Java native methods used by the JCICS Java class library has failed.

System Action: The system writes this message to the TD queue CCZM and takes a system dump.

User Response: If the error condition persists, you will need assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CCZM

Module: DFJCZDTC (DTCSupport.c)

XMEOUT Parameters: *date, time, applid, userid, termid, tranid, program name, module*

DFHCZ0273 *date time applid userid termid tranid program name* **JNI call 'GetMethodID()' in** *module* **failed.**

Explanation: A JNI call, GetMethodID(), in code written to support Java native methods used by the JCICS Java class library has failed.

System Action: The system writes this message to the TD queue CCZM and takes a system dump.

User Response: If the error condition persists, you will need assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CCZM

Module: DFJCZDTC (DTCSupport.c)

XMEOUT Parameters: *date, time, applid, userid, termid, tranid, program name, module*

DFHCZ0274 *date time applid userid termid tranid program name* **JNI call 'CallVoidMethod()' in** *module* **failed.**

Explanation: A JNI call, CallVoidMethod(), in code written to support Java native methods used by the JCICS Java class library has failed.

System Action: The system writes this message to the TD queue CCZM and takes a system dump.

User Response: If the error condition persists, you will need assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CCZM

Module: DFJCZDTC (DTCSupport.c)

XMEOUT Parameters: *date, time, applid, userid, termid, tranid, program name, module*

DFHCZ0275 *date time applid userid termid tranid program name* **JNI call 'GetMethodID()' in** *module* **failed.**

Explanation: A JNI call, GetMethodID(), in code written to support Java native methods used by the JCICS Java class library has failed.

System Action: The system writes this message to the TD queue CCZM and takes a system dump.

User Response: If the error condition persists, you will need assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CCZM

Module: DFJCZDTC (DTCSupport.c)

XMEOUT Parameters: *date, time, applid, userid, termid, tranid, program name, module*

DFHCZ0276 *date time applid userid termid tranid program name* **JNI call 'CallVoidMethod()' in** *module* **failed.**

Explanation: A JNI call, CallVoidMethod(), in code written to support Java native methods used by the JCICS Java class library has failed.

System Action: The system writes this message to the TD queue CCZM and takes a system dump.

User Response: If the error condition persists, you will need assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CCZM

Module: DFJCZDTC (DTCSupport.c)

XMEOUT Parameters: *date, time, applid, userid, termid, tranid, program name, module*

DFHCZ0277 *date time applid userid termid tranid program name* **JNI call 'GetMethodID()' in** *module* **failed.**

Explanation: A JNI call, GetMethodID(), in code written to support Java native methods used by the JCICS Java class library has failed.

System Action: The system writes this message to the TD queue CCZM and takes a system dump.

User Response: If the error condition persists, you will need assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CCZM

Module: DFJCZDTC (DTCSupport.c)

XMEOUT Parameters: *date, time, applid, userid, termid, tranid, program name, module*

DFHCZ0278 *date time applid userid termid tranid program name* **JNI call 'CallVoidMethod()' in** *module* **failed.**

Explanation: A JNI call, CallVoidMethod(), in code written to support Java native methods used by the JCICS Java class library has failed.

System Action: The system writes this message to the TD queue CCZM and takes a system dump.

User Response: If the error condition persists, you will need assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CCZM

Module: DFJCZDTC (DTCSupport.c)

XMEOUT Parameters: *date, time, applid, userid, termid, tranid, program name, module*

DFHCZ0279 *date time applid userid termid tranid program name* **JNI call 'GetMethodID()' in** *module* **failed.**

Explanation: A JNI call, GetMethodID(), in code written to support Java native methods used by the JCICS Java class library has failed.

System Action: The system writes this message to the TD queue CCZM and takes a system dump.

User Response: If the error condition persists, you will need assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CCZM

Module: DFJCZDTC (DTCSupport.c)

XMEOUT Parameters: *date, time, applid, userid, termid, tranid, program name, module*

DFHCZ0280 *date time applid userid termid tranid program name* **JNI call 'NewObject()' in** *module* **failed.**

Explanation: A JNI call, NewObject() for a ConversationPrincipalFacility object, in code written to support Java native methods used by the JCICS Java class library has failed.

System Action: The system writes this message to the TD queue CCZM and takes a system dump.

User Response: If the error condition persists, you will need assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CCZM

Module: DFJCZDTC (DTCSupport.c)

XMEOUT Parameters: *date, time, applid, userid, termid, tranid, program name, module*

DFHCZ0281 *date time applid userid termid tranid program name* **JNI call 'GetMethodID()' in** *module* **failed.**

Explanation: A JNI call, GetMethodID(), in code written to support Java native methods used by the JCICS Java class library has failed.

System Action: The system writes this message to the TD queue CCZM and takes a system dump.

User Response: If the error condition persists, you will need assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CCZM

Module: DFJCZDTC (DTCSupport.c)

XMEOUT Parameters: *date, time, applid, userid, termid, tranid, program name, module*

DFHCZ0282 *date time applid userid termid tranid program name* **JNI call 'FindClass()' in** *module* **failed.**

Explanation: A JNI call, FindClass(), for com/ibm/cics/server/ConversationPrincipalFacility, in code written to support Java native methods used by the JCICS Java class library has failed.

System Action: The system writes this message to the TD queue CCZM and takes a system dump.

User Response: If the error condition persists, you will need assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CCZM

Module: DFJCZDTC (DTCSupport.c)

XMEOUT Parameters: *date, time, applid, userid, termid, tranid, program name, module*

DFHCZ0283 *date time applid userid termid tranid program name* **JNI call 'FindClass()' in** *module* **failed.**

Explanation: A JNI call, FindClass() to find the Conversation class, in code written to support Java native methods used by the JCICS Java class library has failed.

System Action: The system writes this message to the TD queue CCZM and takes a system dump.

User Response: If the error condition persists, you will need assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CCZM

Module: DFJCZDTC (DTCSupport.c)

XMEOUT Parameters: *date, time, applid, userid, termid, tranid, program name, module*

DFHCZ0284 *date time applid userid termid tranid program name* **JNI call 'GetMethodID()' in** *module* **failed.**

Explanation: A JNI call, GetMethodID(), in code written to support Java native methods used by the JCICS Java class library has failed.

System Action: The system writes this message to the TD queue CCZM and takes a system dump.

User Response: If the error condition persists, you will need assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CCZM

Module: DFJCZDTC (DTCSupport.c)

XMEOUT Parameters: *date, time, applid, userid, termid, tranid, program name, module*

DFHCZ0285 *date time applid userid termid tranid program name* **JNI call 'GetMethodID()' in** *module* **failed.**

Explanation: A JNI call, GetMethodID(), in code written to support Java native methods used by the JCICS Java class library has failed.

System Action: The system writes this message to the TD queue CCZM and takes a system dump.

User Response: If the error condition persists, you will need assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CCZM

Module: DFJCZDTC (DTCSupport.c)

XMEOUT Parameters: *date, time, applid, userid, termid, tranid, program name, module*

DFHCZ0286 *date time applid userid termid tranid program name* **JNI call 'NewObject()' in** *module* **failed.**

Explanation: A JNI call, NewObject(), in code written to support Java native methods used by the JCICS Java class library has failed.

System Action: The system writes this message to the TD queue CCZM and takes a system dump.

User Response: If the error condition persists, you will need assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CCZM

Module: DFJCZDTC (DTCSupport.c)

XMEOUT Parameters: *date, time, applid, userid, termid, tranid, program name, module*

DFHCZ0287 *date time applid userid termid tranid program name* **An attempt to allocate storage in** *module* **failed.**

Explanation: An attempt to obtain storage in code written to support Java native methods used by the JCICS Java class library has failed.

System Action: The system writes this message to the TD queue CCZM and takes a system dump.

User Response: If the error condition persists, you will need assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CCZM

Module: DFJCZDTC (DTCFile.c)

XMEOUT Parameters: *date, time, applid, userid, termid, tranid, program name, module*

DFHCZ0288 *date time applid userid termid tranid program name* **An attempt to allocate storage in** *module* **failed.**

Explanation: An attempt to obtain storage in code written to support Java native methods used by the JCICS Java class library has failed.

System Action: The system writes this message to the TD queue CCZM and takes a system dump.

User Response: If the error condition persists, you will need assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CCZM

Module: DFJCZDTC (DTCFile.c)

XMEOUT Parameters: *date, time, applid, userid, termid, tranid, program name, module*

DFHCZ0289 *date time applid userid termid tranid program name* **An attempt to allocate storage in** *module* **failed.**

Explanation: An attempt to obtain storage in code written to support Java native methods used by the JCICS Java class library has failed.

System Action: The system writes this message to the TD queue CCZM and takes a system dump.

User Response: If the error condition persists, you will need assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CCZM

Module: DFJCZDTC (DTCFile.c)

XMEOUT Parameters: *date, time, applid, userid, termid, tranid, program name, module*

DFHCZ0290 *date time applid userid termid tranid program name* **An attempt to allocate storage in** *module* **failed.**

Explanation: An attempt to obtain storage in code written to support Java native methods used by the JCICS Java class library has failed.

System Action: The system writes this message to the TD queue CCZM and takes a system dump.

User Response: If the error condition persists, you will need

assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CCZM

Module: DFJCZDTC (DTCFile.c)

XMEOUT Parameters: *date, time, applid, userid, termid, tranid, program name, module*

DFHCZ0291 *date time applid userid termid tranid program name* **JNI call 'GetMethodID()' in** *module* **failed.**

Explanation: A JNI call, GetMethodID(), in code written to support Java native methods used by the JCICS Java class library has failed.

System Action: The system writes this message to the TD queue CCZM and takes a system dump.

User Response: If the error condition persists, you will need assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CCZM

Module: DFJCZDTC (DTCSupport.c)

XMEOUT Parameters: *date, time, applid, userid, termid, tranid, program name, module*

DFHCZ0292 *date time applid userid termid tranid program name* **JNI call 'FindClass()' in** *module* **failed.**

Explanation: A JNI call, FindClass(), for com/ibm/cics/server/RetrievedData, in code written to support Java native methods used by the JCICS Java class library has failed.

System Action: The system writes this message to the TD queue CCZM and takes a system dump.

User Response: If the error condition persists, you will need assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CCZM

Module: DFJCZDTC (DTCSupport.c)

XMEOUT Parameters: *date, time, applid, userid, termid, tranid, program name, module*

DFHCZ0293 *date time applid userid termid tranid program name* **JNI call 'GetFieldID()' in** *module* **failed.**

Explanation: A JNI call, GetFieldID() for taskNumber, in code written to support Java native methods used by the JCICS Java class library has failed.

System Action: The system writes this message to the TD queue CCZM and takes a system dump.

User Response: If the error condition persists, you will need assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CCZM

Module: DFJCZDTC (DTCTask.c)

XMEOUT Parameters: *date, time, applid, userid, termid, tranid, program name, module*

DFHCZ0294 *date time applid userid termid tranid program name* **JNI call 'GetFieldID()' in** *module* **failed.**

Explanation: A JNI call, GetFieldID() for transactionName, in code written to support Java native methods used by the JCICS Java class library has failed.

System Action: The system writes this message to the TD queue CCZM and takes a system dump.

User Response: If the error condition persists, you will need assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CCZM

Module: DFJCZDTC (DTCTask.c)

XMEOUT Parameters: *date, time, applid, userid, termid, tranid, program name, module*

DFHCZ0295 *date time applid userid termid tranid program name* **JNI call 'GetObjectClass()' in** *module* **failed.**

Explanation: A JNI call, GetObjectClass(), in code written to support Java native methods used by the JCICS Java class library has failed.

System Action: The system writes this message to the TD queue CCZM and takes a system dump.

User Response: If the error condition persists, you will need assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CCZM

Module: DFJCZDTC (DTCTask.c)

XMEOUT Parameters: *date, time, applid, userid, termid, tranid, program name, module*

DFHCZ0296 *date time applid userid termid tranid program name* **JNI call 'GetFieldID()' in** *module* **failed.**

Explanation: A JNI call, GetFieldID() for principalFacility, in code written to support Java native methods used by the JCICS Java class library has failed.

System Action: The system writes this message to the TD queue CCZM and takes a system dump.

User Response: If the error condition persists, you will need assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CCZM

Module: DFJCZDTC (DTCTask.c)

XMEOUT Parameters: *date, time, applid, userid, termid, tranid, program name, module*

DFHCZ0297 *date time applid userid termid tranid program name* **JNI call 'GetFieldID()' in** *module* **failed.**

Explanation: A JNI call, GetFieldID() for FCI, in code written to support Java native methods used by the JCICS Java class library has failed.

System Action: The system writes this message to the TD queue CCZM and takes a system dump.

User Response: If the error condition persists, you will need assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CCZM

Module: DFJCZDTC (DTCTask.c)

XMEOUT Parameters: *date, time, applid, userid, termid, tranid, program name, module*

DFHCZ0298 *date time applid userid termid tranid program name* **JNI call 'GetFieldID()' in** *module* **failed.**

Explanation: A JNI call, GetFieldID(), in code written to support Java native methods used by the JCICS Java class library has failed.

System Action: The system writes this message to the TD queue CCZM and takes a system dump.

User Response: If the error condition persists, you will need assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CCZM

Module: DFJCZDTC (DTCTask.c)

XMEOUT Parameters: *date, time, applid, userid, termid, tranid, program name, module*

DFHCZ0299 *date time applid userid termid tranid program name* **JNI call 'NewObject()' in** *module* **failed.**

Explanation: A JNI call, NewObject() for a TerminalPrincipalFacility, in code written to support Java native methods used by the JCICS Java class library has failed.

System Action: The system writes this message to the TD queue CCZM and takes a system dump.

User Response: If the error condition persists, you will need assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CCZM

Module: DFJCZDTC (DTCTask.c)

XMEOUT Parameters: *date, time, applid, userid, termid, tranid, program name, module*

DFHCZ0300 *date time applid userid termid tranid program name* **JNI call 'GetMethodID()' in** *module* **failed.**

Explanation: A JNI call, GetMethodID() for the TerminalPrincipalFacility constructor, in code written to support Java native methods used by the JCICS Java class library has failed.

System Action: The system writes this message to the TD queue CCZM and takes a system dump.

User Response: If the error condition persists, you will need assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CCZM

Module: DFJCZDTC (DTCTask.c)

XMEOUT Parameters: *date, time, applid, userid, termid, tranid, program name, module*

DFHCZ0301 *date time applid userid termid tranid program name* **JNI call 'FindClass()' in** *module* **failed.**

Explanation: A JNI call, FindClass() for com/ibm/cics/server/TerminalPrincipalFacility, in code written to support Java native methods used by the JCICS Java class library has failed.

System Action: The system writes this message to the TD queue CCZM and takes a system dump.

User Response: If the error condition persists, you will need assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CCZM

Module: DFJCZDTC (DTCTask.c)

XMEOUT Parameters: *date, time, applid, userid, termid, tranid, program name, module*

DFHCZ0302 *date time applid userid termid tranid program name* **JNI call 'GetFieldID()' in** *module* **failed.**

Explanation: A JNI call, GetFieldID(), in code written to support Java native methods used by the JCICS Java class library has failed.

System Action: The system writes this message to the TD queue CCZM and takes a system dump.

User Response: If the error condition persists, you will need assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CCZM

Module: DFJCZDTC (DTCTask.c)

XMEOUT Parameters: *date, time, applid, userid, termid, tranid, program name, module*

DFHCZ0303 *date time applid userid termid tranid program name* **JNI call 'GetObjectClass()' in** *module* **failed.**

Explanation: A JNI call, GetObjectClass() for com/ibm/cics/server/Task, in code written to support Java native methods used by the JCICS Java class library has failed.

System Action: The system writes this message to the TD queue CCZM and takes a system dump.

User Response: If the error condition persists, you will need assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CCZM

Module: DFJCZDTC (DTCTask.c)

XMEOUT Parameters: *date, time, applid, userid, termid, tranid, program name, module*

DFHCZ0305 *date time applid userid termid tranid program name* **JNI call 'GetStringUTFChars(envp, abcode)' in** *module* **failed.**

Explanation: A JNI call, GetStringUTFChars(envp, abcode), in code written to support Java native methods used by the JCICS Java class library has failed.

System Action: The system writes this message to the TD queue CCZM and takes a system dump.

User Response: If the error condition persists, you will need assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CCZM

Module: DFJCZDTC (DTCTask.c)

XMEOUT Parameters: *date, time, applid, userid, termid, tranid, program name, module*

DFHCZ0311 *date time applid userid termid tranid program name* **JNI call 'GetFieldID()' in** *module* **failed.**

Explanation: A JNI call, GetFieldID(), in code written to support Java native methods used by the JCICS Java class library has failed.

System Action: The system writes this message to the TD queue CCZM and takes a system dump.

User Response: If the error condition persists, you will need assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CCZM

Module: DFJCZDTC (DTCTask.c)

XMEOUT Parameters: *date, time, applid, userid, termid, tranid, program name, module*

DFHCZ0312 *date time applid userid termid tranid program name* **JNI call 'GetStringUTFChars(envp, queueName, NULL)' in** *module* **failed.**

Explanation: A JNI call, GetStringUTFChars(envp, queueName, NULL), in code written to support Java native methods used by the JCICS Java class library has failed.

System Action: The system writes this message to the TD queue CCZM and takes a system dump.

User Response: If the error condition persists, you will need assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CCZM

Module: DFJCZDTC (DTCTDQ.c)

XMEOUT Parameters: *date, time, applid, userid, termid, tranid, program name, module*

DFHCZ0313 *date time applid userid termid tranid program name* **JNI call 'GetStringUTFChars(envp, SysId)' in** *module* **failed.**

Explanation: A JNI call, GetStringUTFChars(envp, SysId), in code written to support Java native methods used by the JCICS Java class library has failed.

System Action: The system writes this message to the TD queue CCZM and takes a system dump.

User Response: If the error condition persists, you will need assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CCZM

Module: DFJCZDTC (DTCTDQ.c)

XMEOUT Parameters: *date, time, applid, userid, termid, tranid, program name, module*

DFHCZ0314 *date time applid userid termid tranid program name* **JNI call 'GetStringUTFChars(envp, queueName, NULL)' in** *module* **failed.**

Explanation: A JNI call, GetStringUTFChars(envp, queueName, NULL), in code written to support Java native methods used by the JCICS Java class library has failed.

System Action: The system writes this message to the TD queue CCZM and takes a system dump.

User Response: If the error condition persists, you will need assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CCZM

Module: DFJCZDTC (DTCTDQ.c)

XMEOUT Parameters: *date, time, applid, userid, termid, tranid, program name, module*

DFHCZ0315 *date time applid userid termid tranid program name* **JNI call 'GetStringUTFChars(envp, SysId)' in** *module* **failed.**

Explanation: A JNI call, GetStringUTFChars(envp, SysId), in code written to support Java native methods used by the JCICS Java class library has failed.

System Action: The system writes this message to the TD queue CCZM and takes a system dump.

User Response: If the error condition persists, you will need assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CCZM

Module: DFJCZDTC (DTCTDQ.c)

XMEOUT Parameters: *date, time, applid, userid, termid, tranid, program name, module*

DFHCZ0316 *date time applid userid termid tranid program name* **JNI call 'GetStringUTFChars(envp, queueName, NULL)' in** *module* **failed.**

Explanation: A JNI call, GetStringUTFChars(envp, queueName, NULL), in code written to support Java native methods used by the JCICS Java class library has failed.

System Action: The system writes this message to the TD queue CCZM and takes a system dump.

User Response: If the error condition persists, you will need assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CCZM

Module: DFJCZDTC (DTCTDQ.c)

XMEOUT Parameters: *date, time, applid, userid, termid, tranid, program name, module*

DFHCZ0317 *date time applid userid termid tranid program name* **JNI call 'GetStringUTFChars(envp, SysId)' in** *module* **failed.**

Explanation: A JNI call, GetStringUTFChars(envp, SysId), in code written to support Java native methods used by the JCICS Java class library has failed.

System Action: The system writes this message to the TD queue CCZM and takes a system dump.

User Response: If the error condition persists, you will need assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CCZM

Module: DFJCZDTC (DTCTDQ.c)

XMEOUT Parameters: *date, time, applid, userid, termid, tranid, program name, module*

DFHCZ0324 *date time applid userid termid tranid program name* **JNI call 'GetByteArrayElements()' in** *module* **failed.**

Explanation: A JNI call, GetByteArrayElements(), in code written to support Java native methods used by the JCICS Java class library has failed.

System Action: The system writes this message to the TD queue CCZM and takes a system dump.

User Response: If the error condition persists, you will need assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CCZM

Module: DFJCZDTC (DTCTerminal.c)

XMEOUT Parameters: *date, time, applid, userid, termid, tranid, program name, module*

DFHCZ0325 *date time applid userid termid tranid program name* **JNI call 'GetMethodID()' in** *module* **failed.**

Explanation: A JNI call, GetMethodID() for the toBinary() method, in code written to support Java native methods used by the JCICS Java class library has failed.

System Action: The system writes this message to the TD queue CCZM and takes a system dump.

User Response: If the error condition persists, you will need assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CCZM

Module: DFJCZDTC (DTCTerminal.c)

XMEOUT Parameters: *date, time, applid, userid, termid, tranid, program name, module*

DFHCZ0326 *date time applid userid termid tranid program name* **A text array passed to the SEND_TEXT() method in** *module* **was greater than 32767 bytes. The data has been truncated.**

Explanation: A text array passed to the SEND_TEXT() method in code written to support Java native methods used by the JCICS Java class library was longer than 32767 bytes.

System Action: The system writes this message to the TD queue CCZM and sends the first 32767 bytes in the array.

User Response: Ensure that the length of text passed to the sendText() method does not exceed 32767.

Destination: CCZM

Module: DFJCZDTC (DTCTerminal.c)

XMEOUT Parameters: *date, time, applid, userid, termid, tranid, program name, module*

DFHCZ0327 *date time applid userid termid tranid program name* **JNI call 'GetByteArrayElements()' in** *module* **failed.**

Explanation: A JNI call, GetByteArrayElements(), in code written to support Java native methods used by the JCICS Java class library has failed.

System Action: The system writes this message to the TD queue CCZM and takes a system dump.

User Response: If the error condition persists, you will need assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CCZM

Module: DFJCZDTC (DTCTerminal.c)

XMEOUT Parameters: *date, time, applid, userid, termid, tranid, program name, module*

DFHCZ0328 *date time applid userid termid tranid program name* **JNI call 'GetMethodID()' in** *module* **failed.**

Explanation: A JNI call, GetMethodID() for the toBinary() method, in code written to support Java native methods used by the JCICS Java class library has failed.

System Action: The system writes this message to the TD queue CCZM and takes a system dump.

User Response: If the error condition persists, you will need assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CCZM

Module: DFJCZDTC (DTCTerminal.c)

XMEOUT Parameters: *date, time, applid, userid, termid, tranid, program name, module*

DFHCZ0329 *date time applid userid termid tranid program name* **JNI call 'GetFieldID()' in** *module* **failed.**

Explanation: A JNI call, GetFieldID() for TCTUAlength, in code written to support Java native methods used by the JCICS Java class library has failed.

System Action: The system writes this message to the TD queue CCZM and takes a system dump.

User Response: If the error condition persists, you will need assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CCZM

Module: DFJCZDTC (DTCTerminal.c)

XMEOUT Parameters: *date, time, applid, userid, termid, tranid, program name, module*

DFHCZ0330 *date time applid userid termid tranid program name* **An attempt to allocate storage in** *module* **failed.**

Explanation: An attempt to obtain storage in code written to support Java native methods used by the JCICS Java class library has failed.

System Action: The system writes this message to the TD queue CCZM and takes a system dump.

User Response: If the error condition persists, you will need assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CCZM

Module: DFJCZDTC (DTCFile.c)

XMEOUT Parameters: *date, time, applid, userid, termid, tranid, program name, module*

DFHCZ0331 *date time applid userid termid tranid program name* **JNI call 'GetFieldID()' in** *module* **failed.**

Explanation: A JNI call, GetFieldID() for TERMCODE, in code written to support Java native methods used by the JCICS Java class library has failed.

System Action: The system writes this message to the TD queue CCZM and takes a system dump.

User Response: If the error condition persists, you will need

assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CCZM

Module: DFJCZDTC (DTCTerminal.c)

XMEOUT Parameters: *date, time, applid, userid, termid, tranid, program name, module*

DFHCZ0332 *date time applid userid termid tranid program name* **JNI call 'FindClass()' in** *module* **failed.**

Explanation: A JNI call, FindClass(), for com/ibm/cics/server/TerminalPrincipalFacility, in code written to support Java native methods used by the JCICS Java class library has failed.

System Action: The system writes this message to the TD queue CCZM and takes a system dump.

User Response: If the error condition persists, you will need assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CCZM

Module: DFJCZDTC (DTCTerminal.c)

XMEOUT Parameters: *date, time, applid, userid, termid, tranid, program name, module*

DFHCZ0333 *date time applid userid termid tranid program name* **An attempt to allocate storage in** *module* **failed.**

Explanation: An attempt to obtain storage in code written to support Java native methods used by the JCICS Java class library has failed.

System Action: The system writes this message to the TD queue CCZM and takes a system dump.

User Response: If the error condition persists, you will need assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CCZM

Module: DFJCZDTC (DTCFile.c)

XMEOUT Parameters: *date, time, applid, userid, termid, tranid, program name, module*

DFHCZ0334 *date time applid userid termid tranid program name* **JNI call 'GetFieldID()' in** *module* **failed.**

Explanation: A JNI call, GetFieldID() for TCTUAP, in code written to support Java native methods used by the JCICS Java class library has failed.

System Action: The system writes this message to the TD queue CCZM and takes a system dump.

User Response: If the error condition persists, you will need assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CCZM

Module: DFJCZDTC (DTCTerminal.c)

XMEOUT Parameters: *date, time, applid, userid, termid, tranid, program name, module*

DFHCZ0335 *date time applid userid termid tranid program name* **JNI call 'GetStringUTFChars(envp, SysId)' in** *module* **failed.**

Explanation: A JNI call, GetStringUTFChars(envp, SysId), in code written to support Java native methods used by the JCICS Java class library has failed.

System Action: The system writes this message to the TD queue CCZM and takes a system dump.

User Response: If the error condition persists, you will need assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CCZM

Module: DFJCZDTC (DTCTSQ.c)

XMEOUT Parameters: *date, time, applid, userid, termid, tranid, program name, module*

DFHCZ0336 *date time applid userid termid tranid program name* **An invalid value for item number was passed to the READITEM() method in** *module***. The value passed was** *item_no* **.**

Explanation: An invalid value for item number was passed to the readItem() method, in code written to support Java native methods used by the JCICS Java class library.

System Action: The system writes this message to the TD queue CCZM and ignores the request.

User Response: Ensure that the item number specified on the readItem() method of the appropriate TSQ Java object is in the range 0 - 32767.

If the error condition persists, you will need assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CCZM

Module: DFJCZDTC (DTCTSQ.c)

XMEOUT Parameters: *date, time, applid, userid, termid, tranid, program name, module, item_no*

DFHCZ0337 *date time applid userid termid tranid program name* **TSQ name** *tsqname* **has been truncated to 16 characters in the SETNAME() method in** *module***.**

Explanation: The Temporary Storage queue identified in the message has been truncated to 16 characters.

System Action: The system writes this message to the TD queue CCZM and continues with the request.

User Response: Ensure all TS queue names used in JCICS applications are 16 characters or less in length.

Destination: CCZM

Module: DFJCZDTC (DTCTSQ.c)

XMEOUT Parameters: *date, time, applid, userid, termid, tranid, program name, tsqname, module*

DFHCZ0338 *date time applid userid termid tranid program name* **An invalid value for item number was passed to the REWRITE() method in** *module***. The value passed was** *item_no***.**

Explanation: An invalid value for item number was passed to the REWRITE() method, in code written to support Java native methods used by the JCICS Java class library.

System Action: The system writes this message to the TD queue CCZM and ignores the request.

User Response: Ensure that the item number specified on the REWRITE() method of the appropriate TSQ Java object is in the range 0 - 32767.

If the error condition persists, you will need assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CCZM

Module: DFJCZDTC (DTCTSQ.c)

XMEOUT Parameters: *date, time, applid, userid, termid, tranid, program name, module, item_no*

DFHCZ0340 *date time applid userid termid tranid program name* **JNI call 'GetByteArrayElements()' in** *module* **failed.**

Explanation: A JNI call, GetByteArrayElements(), in code written to support Java native methods used by the JCICS Java class library has failed.

System Action: The system writes this message to the TD queue CCZM and takes a system dump.

User Response: If the error condition persists, you will need assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CCZM

Module: DFJCZDTC (StartRequest.c)

XMEOUT Parameters: *date, time, applid, userid, termid, tranid, program name, module*

DFHCZ0341 *date time applid userid termid tranid program name* **JNI call 'GetStringUTFChars()' in** *module* **failed.**

Explanation: A JNI call, GetStringUTFChars(envp, transactionName), in code written to support Java native methods used by the JCICS Java class library has failed.

System Action: The system writes this message to the TD queue CCZM and takes a system dump.

User Response: If the error condition persists, you will need assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CCZM

Module: DFJCZDTC (StartRequest.c)

XMEOUT Parameters: *date, time, applid, userid, termid, tranid, program name, module*

DFHCZ0342 *date time applid userid termid tranid program name* **JNI call 'GetStringUTFChars(envp, SysId)' in** *module* **failed.**

Explanation: A JNI call, GetStringUTFChars(envp, SysId), in code written to support Java native methods used by the JCICS Java class library has failed.

System Action: The system writes this message to the TD queue CCZM and takes a system dump.

User Response: If the error condition persists, you will need assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CCZM

Module: DFJCZDTC (StartRequest.c)

XMEOUT Parameters: *date, time, applid, userid, termid, tranid, program name, module*

DFHCZ0345 *date time applid userid termid tranid program name* **JNI call 'GetStringUTFChars()' in** *module* **failed.**

Explanation: A JNI call, GetStringUTFChars(envp, transactionName), in code written to support Java native methods used by the JCICS Java class library has failed.

System Action: The system writes this message to the TD queue CCZM and takes a system dump.

User Response: If the error condition persists, you will need assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CCZM

Module: DFJCZDTC (StartRequest.c)

XMEOUT Parameters: *date, time, applid, userid, termid, tranid, program name, module*

DFHCZ0347 *date time applid userid termid tranid program name* **JNI call 'GetByteArrayElements()' in** *module* **failed.**

Explanation: A JNI call, GetByteArrayElements(), in code written to support Java native methods used by the JCICS Java class library has failed.

System Action: The system writes this message to the TD queue CCZM and takes a system dump.

User Response: If the error condition persists, you will need assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CCZM

Module: DFJCZDTC (StartRequest.c)

XMEOUT Parameters: *date, time, applid, userid, termid, tranid, program name, module*

DFHCZ0348 *date time applid userid termid tranid program name* **JNI call 'GetStringUTFChars(envp, terminal)' in** *module* **failed.**

Explanation: A JNI call, GetStringUTFChars(envp, terminal), in code written to support Java native methods used by the JCICS Java class library has failed.

System Action: The system writes this message to the TD queue CCZM and takes a system dump.

User Response: If the error condition persists, you will need assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CCZM

Module: DFJCZDTC (StartRequest.c)

XMEOUT Parameters: *date, time, applid, userid, termid, tranid, program name, module*

DFHCZ0349 *date time applid userid termid tranid program name* **JNI call 'GetStringUTFChars(envp, SysId)' in** *module* **failed.**

Explanation: A JNI call, GetStringUTFChars(envp, SysId), in code written to support Java native methods used by the JCICS Java class library has failed.

System Action: The system writes this message to the TD queue CCZM and takes a system dump.

User Response: If the error condition persists, you will need assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CCZM

Module: DFJCZDTC (StartRequest.c)

XMEOUT Parameters: *date, time, applid, userid, termid, tranid, program name, module*

DFHCZ0350 *date time applid userid termid tranid program name* **JNI call 'GetStringUTFChars()' in** *module* **failed.**

Explanation: A JNI call, GetStringUTFChars(envp, rTransaction), in code written to support Java native methods used by the JCICS Java class library has failed.

System Action: The system writes this message to the TD queue CCZM and takes a system dump.

User Response: If the error condition persists, you will need assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CCZM

Module: DFJCZDTC (StartRequest.c)

XMEOUT Parameters: *date, time, applid, userid, termid, tranid, program name, module*

DFHCZ0351 *date time applid userid termid tranid program name* **JNI call 'GetStringUTFChars(envp, rTerminal)' in** *module* **failed.**

Explanation: A JNI call, GetStringUTFChars(envp, rTerminal), in code written to support Java native methods used by the JCICS Java class library has failed.

System Action: The system writes this message to the TD queue CCZM and takes a system dump.

User Response: If the error condition persists, you will need assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CCZM

Module: DFJCZDTC (StartRequest.c)

XMEOUT Parameters: *date, time, applid, userid, termid, tranid, program name, module*

DFHCZ0352 *date time applid userid termid tranid program name* **JNI call 'GetByteArrayElements()' in** *module* **failed.**

Explanation: A JNI call, GetByteArrayElements(envp, data, NULL), in code written to support Java native methods used by the JCICS Java class library has failed.

System Action: The system writes this message to the TD queue CCZM and takes a system dump.

User Response: If the error condition persists, you will need assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CCZM

Module: DFJCZDTC (SynchronizationResource.c)

XMEOUT Parameters: *date, time, applid, userid, termid, tranid, program name, module*

DFHCZ0353 *date time applid userid termid tranid program name* **JNI call 'GetByteArrayElements()' in** *module* **failed.**

Explanation: A JNI call, GetByteArrayElements(envp, data, NULL), in code written to support Java native methods used by the JCICS Java class library has failed.

System Action: The system writes this message to the TD queue CCZM and takes a system dump.

User Response: If the error condition persists, you will need assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CCZM

Module: DFJCZDTC (SynchronizationResource.c)

XMEOUT Parameters: *date, time, applid, userid, termid, tranid, program name, module*

DFHCZ0354 *date time applid userid termid tranid program name* **JNI call 'GetByteArrayElements()' in** *module* **failed.**

Explanation: A JNI call, GetByteArrayElements(envp, CommArea, NULL), in code written to support Java native methods used by the JCICS Java class library has failed.

System Action: The system writes this message to the TD queue CCZM and takes a system dump.

User Response: If the error condition persists, you will need assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CCZM

Module: DFJCZDTC (WrapperNative.c)

XMEOUT Parameters: *date, time, applid, userid, termid, tranid, program name, module*

DFHCZ0355 *date time applid userid termid tranid program name* **JNI call 'NewByteArray(envp, Length)' in** *module* **failed.**

Explanation: A JNI call, NewByteArray(envp, Length), in code written to support Java native methods used by the JCICS Java class library has failed.

System Action: The system writes this message to the TD queue CCZM and takes a system dump.

User Response: If the error condition persists, you will need assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CCZM

Module: DFJCZDTC (WrapperNative.c)

XMEOUT Parameters: *date, time, applid, userid, termid, tranid, program name, module*

DFHCZ0356 *date time applid userid termid tranid program name* **non-CICS security manager of class** *className* **installed.**

Explanation: The Environment constructor has been unable to install the CICS security manager because a non-CICS security manager of class *className* is installed.

System Action: The system writes this message to the TD queue CCZM.

User Response: The CICS security manager ensures for example that a java program cannot issue the exit command. Check that the security manager you have installed is compatible with running a CICS java program.

Destination: CCZM

Module: DFJCICS (com.ibm.cics.server.Environment.java)

XMEOUT Parameters: *date, time, applid, userid, termid, tranid, program name, className*

DFHCZ0357 *date time applid userid termid tranid program name* **Uncaught exception from application.**

Explanation: The jcics Wrapper class has caught an InvocationTargetException. This occurs when the application throws, or doesn't catch, an exception. Details of the application exception are given in accompanying message DFHCZ0358.

System Action: The system writes this message to the TD queue CCZM.

User Response: Correct the problem and rerun the task.

Destination: CCZM

Module: DFJCICS (com.ibm.cics.server.Wrapper.java)

XMEOUT Parameters: *date, time, applid, userid, termid, tranid, program name*

DFHCZ0358 *date time applid userid termid tranid program name* **Exception** *exception* **occurred invoking main method in class** *className***.**

Explanation: The jcics Wrapper class caught exception *exception* trying to invoke the main method in class *className*.

System Action: An exception trace entry is made and the task is abnormally terminated.

User Response: Correct the problem and rerun the task.

Destination: CCZM

Module: DFJCICS (com.ibm.cics.server.Wrapper.java)

XMEOUT Parameters: *date, time, applid, userid, termid, tranid, program name, exception, className*

DFHCZ0359 *date time applid userid termid tranid program name* **Exception** *exception* **occurred creating object reference for class** *className***.**

Explanation: The _GenericFactoryImpl create_object method has caught exception *exception* issuing a Class.forName(*className*).newInstance()

System Action: A CORBA NoFactory exception is returned to the client and the task terminates normally.

User Response: Correct the problem and reissue the request. For a ClassNotFoundException, check that a program with an appropriate package alias is in a PDSE available to CICS. If the error condition persists, you will need assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CCZM

Module: DFJGFAC (com.ibm.CosLifeCycle._GenericFactoryImpl.java)

XMEOUT Parameters: *date, time, applid, userid, termid, tranid, program name, exception, className*

DFHCZ0399 *termid tranid date time* **COM.IBM.CICS.SERVER.WRAPPER - UNSATISFIEDLINKERROR LOADING** *library***.**

Explanation: An UnsatisfiedLinkError occurred trying to load the jcics native library com_ibm_cics_server_DTC.

System Action: An UnsatisfiedLinkError is thrown to the caller. The task is terminated abnormally.

User Response: If running in an ET/390 environment, check that PROGRAM DFJCZDTC, with alias libcom_ibm_cics_server_DTC.so, is in a PDSE available to CICS. If running under the JVM, check that libcom_ibm_cics_server_DTC.so is in the libpath defined to CICS.

If the error condition persists, you will need assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFJCICS (com.ibm.cics.server.Wrapper.java)

DFHDBxxxx messages

The DFHDBxxxx messages are issued by the CICS-DB2 and CICS-DBCTL interfaces. Messages for the CICS-DB2 interface are in the range 2000-2999.

CICS-DB2 messages that are documented to be output to transient data destination CDB2, are in fact output to whatever destinations are specified in the MSGQUEUE1, MSGQUEUE2 and MSGQUEUE3 parameters of the DB2CONN. MSGQUEUE1 must be specified, and its default is CDB2. This manual documents the default destination.

DFHDB2001 *date time applid* **CICS-DB2 resynchronization with** *db2id* **for unit of work** *X'uowid'* **cannot take place due to initial start of CICS.**

Explanation: CICS cannot resolve the disposition of unit of work (UOW) *uowid* that DB2 subsystem *db2id* holds from a previous connection because CICS was initial started. A CICS initial start should be avoided when resynchronisation is outstanding. CICS cold, warm and emergency starts do not affect resynchronisation, which occurs automatically when CICS and DB2 are connected.

System Action: The CICS is connected to DB2 but UOW *uowid* will remain indoubt in DB2.

User Response: The UOW *uowid* will have to be resolved manually using DB2 -DISPLAY THREAD and -RECOVER INDOUBT operator commands.

Destination: Console and Transient Data Queue CDB2

Module: DFHD2EX1

XMEOUT Parameters: *date, time, applid, db2id, X'uowid'*

DFHDB2003 *date time applid* **The CICS-DB2 attachment facility is already active.**

Explanation: The CICS-DB2 attachment is already active and enabled to CICS.

System Action: The CICS-DB2 attachment facility initialization does not complete.

User Response: Only one CICS-DB2 attachment facility may be active in a CICS region.

Destination: CDB2 and Terminal End User

Module: DFHD2STR

XMEOUT Parameters: *date, time, applid*

DFHDB2004 *date time applid* **No threads were found for plan** *plan-name*

Explanation: This message is in response to a CICS-DB2 attachment facility DSNC DISPLAY or DISCONNECT command. No threads were found using the specified plan name *plan-name*. The *plan-name* may be blank if a specific plan was not requested.

System Action: The CICS-DB2 attachment facility command is not processed.

User Response: Reenter the command with the correct plan name.

Destination: Terminal End User

Module: DFHD2CC

DFHDB2005 *date time applid* **RCT does not contain transaction** *tran*

Explanation: This message is in response to a CICS-DB2 attachment facility DSNC DISPLAY or MODIFY command. The transaction *tran* specified in the command was not found in the RCT. That is, there was no DB2TRAN defined for the transid, or the DB2TRAN referred to a DB2ENTRY that does not exist, or the case of the DISPLAY command, no threads were found for the transaction.

System Action: The CICS-DB2 attachment facility command is not processed.

User Response: Reenter the command with the correct transaction name.

Destination: Terminal End User

Module: DFHD2CM1

DFHDB2006 *date time applid* **The** *dest* **destination ID is invalid.**

Explanation: This message is in response to a CICS-DB2 attachment facility DSNC MODIFY DESTINATION command. The destination ID *dest* specified on the command to be modified is not one of the destinations currently defined in the DB2CONN as a message queue.

System Action: The CICS-DB2 attachment facility command is not processed.

User Response: Reenter the command with the correct destination ID.

Destination: Terminal End User

Module: DFHD2CM1

DFHDB2007 *date time applid* **The command verb is missing or invalid.**

Explanation: The CICS-DB2 attachment facility does not recognize the verb entered on the DSNC command.

System Action: The command is not processed.

User Response: Reenter the command with the correct syntax.

Destination: Terminal End User

Module: DFHD2CM1

DFHDB2008 *date time applid* **Keyword missing or invalid.**

Explanation: The CICS-DB2 attachment facility DSNC command contains an unknown positional keyword or a keyword is missing.

System Action: The command is not processed.

User Response: Reenter the command with the correct syntax.

Destination: Terminal End User

Module: DFHD2CM1

DFHDB2009 *date time applid* **The value in the command is invalid.**

Explanation: The numeric value in the DSNC modify command is invalid. The error is caused by one of the following:

- The value in the command is greater than 2000.
- The value in the command is greater than the TCBLIMIT specified in the DB2CONN.
- If the pool is being changed - for example, using transaction id CEPL - the value is less than 3.

System Action: The CICS-DB2 attachment facility command is not processed.

User Response: Reenter the command with a correct value.

Destination: Terminal End User

Module: DFHD2CM1

DFHDB2010 *date time applid tranid* **Transaction abended because DB2 thread tcbs are unavailable.**

Explanation: The transaction was abnormally terminated because a DB2 thread TCB was not available on which to create a thread for the transaction.

System Action: The transaction is abnormally terminated.

User Response: Determine if more subtask TCBs should be made available to the CICS-DB2 connection by increasing the TCBLIMIT value of the DB2CONN. The TCBLIMIT value can be altered using a SET DB2CONN command.

Destination: CDB2

Module: DFHD2EX1

XMEOUT Parameters: *date, time, applid, tranid*

DFHDB2011 *date time applid tranid* **Transaction abended because threads are unavailable for resource** *resname*

Explanation: The transaction was abnormally terminated because a thread connection to DB2 was not available for the transaction. *Resname* identifies the name of the DB2ENTRY or the POOL from which the thread was to be allocated. This error can occur when:

- The DB2ENTRY specifies Threadwait(no) and all threads are currently being used.

- The DB2ENTRY specified Threadwait(pool), but the pool definition within the DB2CONN specifies Threadwait(no), and all threads are currently being used both in the DB2ENTRY and the Pool.
- The transaction was using the pool directly, the pool specifies Threadwait(no) and all pool threads are currently in use.

System Action: The transaction is abnormally terminated.

User Response: Determine if more threads can be made available to the DB2ENTRY or the POOL by increasing the THREADLIMIT value on the DB2ENTRY or the DB2CONN respectively. The THREADLIMIT value can be increased using SET DB2ENTRY and SET DB2CONN commands.

Destination: CDB2

Module: DFHD2EX1

XMEOUT Parameters: *date, time, applid, tranid, resname*

DFHDB2012 *date time applid* **Stop quiesce of the CICS-DB2 attachment facility from DB2 subsystem** *db2-id* **is proceeding.**

Explanation: A DSNC STOP command entered by the master terminal operator is being processed. CICS is disconnected from DB2 subsystem *db2-id*. When the disconnect is complete message DFHDB2025 is output to the terminal.

System Action: New CICS transactions attempting to issue SQL commands is abended or receives a negative SQL reason code dependent on the CONNECTERROR setting in the DB2CONN definition.

Existing transactions using the CICS-DB2 interface are allowed to complete before the CICS-DB2 attachment facility is stopped.

User Response:

If the quiesce is not completed within an acceptable time period, a DSNC STOP FORCE command should be issued from another terminal.

Destination: Terminal End User

Module: DFHD2CM1

DFHDB2013 *date time applid* **Display report follows for threads accessing DB2** *db2-id*

Explanation: A CICS-DB2 attachment display plan or display tran command was requested and the results follow this message. If not blank, *db2-id* is the name of the DB2 subsystem involved.

The following information is displayed for each thread:

DB2ENTRY The name of the DB2ENTRY which contains the thread.

S The thread status. This will be “A” for an active thread or “I” for an inactive thread. A thread is active if it has been assigned to a task. To determine if a thread is active in DB2, use the DB2 command “-DISPLAY THREAD.”

PLAN The current plan name.

PRI-AUTH The DB2 primary authorization ID.

SEC-AUTH The DB2 secondary authorization ID.

CORRELATION The DB2 thread correlation ID.

For active threads only:

TRAN The CICS transaction ID.

TASK The CICS task number.

UOW-ID The CICS unit-of-work ID.

System Action: Processing continues normally.

User Response: None.

Destination: CDB2 and Terminal End User

Module: DFHD2CC

XMEOUT Parameters: *date, time, applid, db2-id*

DFHDB2014 *date time applid* **Statistics report follows for** *db2conn-name* **accessing DB2** *db2-id*

Explanation: A CICS-DB2 attachment facility statistics display was requested and follows this message. The name of the DB2CONN that is currently in use is *db2conn-name* and *db2-id*, if not blank, is the name of the DB2 subsystem involved.

The following information is displayed for each DB2ENTRY and for the command and pool sections of the DB2CONN:

- DB2ENTRY

  The name of the DB2ENTRY or '*COMMAND' for the command section and '*POOL' for the pool section.
- PLAN

  DB2 Plan name
- CALLS

  Total number of SQL calls made
- AUTHS

  Total number of sign-on invocations for transactions associated with this entry. A sign-on does not indicate whether a new thread is created or an existing thread reused. If a thread is reused a sign-on may occur dependent on the ACCOUNTREC setting of the DB2ENTRY.
- W/P

  Number of times all available threads for this entry were busy and the transaction had to wait or the thread request was diverted to the POOL.
- HIGH

  Maximum number of concurrent threads required by transactions associated with this DB2ENTRY at any time since the CICS-DB2 attachment facility was started.
- ABORTS

  Total number of units of work that were rolled back.
- COMMITS

  One of the following two fields is incremented each time a DB2 transaction associated with this DB2ENTRY takes an explicit or implicit (end of task) syncpoint.
- 1-PHASE

  The total number of single-phase commits for transactions associated with this DB2ENTRY.
- 2-PHASE

  The total number of two-phase commits for transactions associated with this DB2ENTRY.

System Action: Processing continues normally.

User Response: None.

Destination: CDB2 and Terminal End User

Module: DFHD2CC

XMEOUT Parameters: *date, time, applid, db2conn-name, db2-id*

DFHDB2015 *date time applid* **The CICS-DB2 attachment facility is in standby for DB2 subsystem** *db2-id*

Explanation: The CICS-DB2 attachment facility has dropped into standby mode because DB2 subsystem *db2-id* has stopped and STANDBYMODE=RECONNECT was specified in the DB2CONN.

System Action: The CICS-DB2 attachment facility waits for the DB2 subsystem to become active again, at which time it automatically reconnects. While in standby mode, all SQL requests receive a negative SQLCODE or an AEY9 abend depending on whether CONNECTERROR=SQLCODE or CONNECTERROR=ABEND was specified in the DB2CONN.

User Response: Notify the system programmer.

Destination: Console and Transient Data Queue CDB2

Module: DFHD2TM

XMEOUT Parameters: *date, time, applid, db2-id*

DFHDB2016 *date time applid* **The connection of CICS to DB2 subsystem** *db2-id* **failed with reason** *X'reason-code'*

Explanation: The CICS-DB2 attachment facility startup cannot complete because an error occurred while connecting with DB2 subsystem *db2-id*. The response from DB2 was *reason-code*.

System Action: The CICS-DB2 attachment facility initialization does not complete.

User Response: Analyze the DB2 reason code given and any prior messages issued to the attachment error destination or CDB2 TS queues to determine the source of the error. Some possible causes include:

- incorrect DB2 subsystem specified
- the DB2 subsystem was not initialized during MVS IPL processing.

Destination: CDB2

Modules: DFHD2STR, DFHD2CM1

XMEOUT Parameters: *date, time, applid, db2-id, X'reason-code'*

DFHDB2018 *date time applid db2-id* **DB2 subsystem is not active.**

Explanation: The CICS-DB2 attachment facility startup cannot complete because the *db2-id* subsystem is not active.

System Action: The CICS-DB2 attachment facility stops.

User Response: Restart the CICS-DB2 attachment facility after starting DB2.

Destination: CDB2

Modules: DFHD2STR, DFHD2CM1

XMEOUT Parameters: *date, time, applid, db2-id*

DFHDB2019 *date time applid* **The modify command is complete.**

Explanation: The DSNC MODIFY command completed sucessfully.

System Action: Processing continues.

User Response: None.

Destination: Terminal End User

Module: DFHD2CM1

DFHDB2020 *date time applid* **The display command is complete.**

Explanation: The DSNC DISPLAY command completed successfully.

System Action: Processing continues normally.

User Response: None.

Destination: CDB2 and Terminal End User

Module: DFHD2CC

XMEOUT Parameters: *date, time, applid*

DFHDB2021 *date time applid* **The disconnect command is complete.**

Explanation: The DSNC DISCONNECT command completed successfully.

System Action: Processing continues normally.

User Response: None.

Destination: Terminal End User

Module: DFHD2CC

DFHDB2022 *date time applid* **Stop force of the CICS-DB2 attachment facility from** *db2-id* **is proceeding.**

Explanation: A DSNC STOP FORCE command entered by the master terminal operator is being processed. CICS will be disconnected from DB2 subsystem *db2-id*. When the disconnect is complete, message DFHDB2025 is output to the terminal.

System Action: New CICS transactions attempting to issue SQL commands are abended or receive a negative SQL reason code dependent upon the CONNECTERROR setting in the DB2CONN definition.

Existing transactions using the CICS-DB2 interface will be force purged.

User Response: None.

Destination: Terminal End User

Module: DFHD2CM1

DFHDB2023I *date time applid* **The CICS-DB2 attachment has connected to DB2 subsystem** *db2-id*

Explanation: The CICS-DB2 attachment facility startup has successfully connected to the *db2-id* subsystem.

System Action: The CICS-DB2 attachment facility is active.

User Response: None. You can suppress this message with the SIT parameter, MSGLVL = 0.

Destination: Console and Transient Data Queue CDB2 and Terminal End User

Modules: DFHD2STR, DFHD2CM1

XMEOUT Parameters: *date, time, applid, db2-id*

DFHDB2025I *date time applid* **The CICS-DB2 attachment has disconnected from DB2 subsystem** *db2-id*

Explanation: The CICS-DB2 attachment facility has successfully disconnected from the *db2-id* subsystem.

System Action: The CICS-DB2 attachment facility is inactive.

User Response: None. You can suppress this message with the SIT parameter, MSGLVL = 0.

Destination: Console and Transient Data Queue CDB2 and Terminal End User

Modules: DFHD2STP, DFHD2CM1

XMEOUT Parameters: *date, time, applid, db2-id*

DFHDB2027 *date time applid* **CICS-DB2 attachment is shutting down. DSNC DB2 commands may not be entered.**

Explanation: The CICS-DB2 attachment facility cannot accept commands directed to DB2 during or after the termination of the CICS-DB2 attachment facility.

System Action: The command is rejected.

User Response: Issue the command via the DB2 console instead.

Destination: Terminal End User

Module: DFHD2CM1

DFHDB2028 *date time applid* **The user is not authorised to issue DB2 commands via DSNC.**

Explanation: DB2 rejected the command request during sign-on of the user. Therefore, the user is assumed not to be authorised for the requested function in the command.

System Action: The command is rejected.

User Response: Notify the system programmer.

Destination: Terminal End User

Module: DFHD2CM1

DFHDB2029 *date time applid tranid* **DB2 command failed with IFCARC1=***rc***, IFCARC2=***X'reason-code'*

Explanation: The DB2 command submitted by *transaction* received IFI return code *rc* and reason code *reason-code*

System Action: The command processing stops.

User Response: Refer to the *DB2 Messages and Codes* for a description of the *rc* and *reason-code*.

Destination: CDB2

Module: DFHD2CM1

XMEOUT Parameters: *date, time, applid, tranid, rc, X'reason-code'*

DFHDB2031 *date time applid* **CICS-DB2 command is invalid. No DB2CONN is installed.**

Explanation: A DSNC command cannot be executed as there is no DB2CONN installed. For all DSNC commands (including the STRT command) a DB2CONN definition must be installed before issuing the command. CICS no longer supports running with a macro RCT. All macro RCTs should be migrated to the CSD and the resulting definitions installed before attempting to startup the CICS-DB2 Attachment Facility.

Likewise a CEMT or EXEC CICS SET DB2CONN CONNECTED command cannot be issued to startup the CICS-DB2 Attachment Facility if no DB2CONN definition is installed.

System Action: The command is rejected.

User Response: Install the necessary DB2CONN. The command can then be re-issued.

Destination: CDB2 and Terminal End User

Modules: DFHD2CM1, DFHD2STR

XMEOUT Parameters: *date, time, applid*

DFHDB2032 *date time applid* **Alternate destination display command complete.**

Explanation: The DSNC DISPLAY command to an alternate destination is complete. The output should be available at the requested destination.

System Action: Processing continues normally.

User Response: None.

Destination: CDB2 and Terminal End User

Module: DFHD2CC

XMEOUT Parameters: *date, time, applid*

DFHDB2033 *applid* **Terminal** *termid* **is not supported by BMS or is invalid.**

Explanation: This message is issued in response to a CICS-DB2 attachment facility command, or DB2 command that requested an alternative destination for the response. CICS basic mapping support (BMS) encountered an error while routing to the requested terminal named *termid*.

System Action: Output from the command may be suppressed.

User Response: Ensure that the terminal ID was correctly entered. Otherwise notify the system programmer. This message may occur if the destination device is not supported by BMS, or is not defined to CICS.

Destination: Console and Terminal End User

Module: DFHD2CC

XMEOUT Parameters: *applid, termid*

DFHDB2035 *date time applid* **Indoubt resolution for Unit of Work** *X'uowid'* **is incomplete for DB2 subsystem** *db2id*

Explanation: CICS indicates that recovery should not be required for *uowid* but DB2 subsystem *db2id* is indoubt.

System Action: The CICS is connected to DB2 but the UOW remains indoubt in DB2.

User Response: The indoubt UOW will have to be resolved manually using DB2 -DISPLAY THREAD and -RECOVER INDOUBT operator commands. You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: Console and Transient Data Queue CDB2

Module: DFHD2EX1

XMEOUT Parameters: *date, time, applid, X'uowid', db2id*

DFHDB2037 *date time applid* **DB2 subsystem** *db2-id* **is not active. The CICS-DB2 attachment facility is waiting.**

Explanation: The CICS-DB2 attachment facility is waiting for notification from the *db2-id* subsystem that it is active. The CICS-DB2 attachment facility will complete initialization after DB2 has started.

System Action: The CICS-DB2 attachment facility waits to complete the start process.

User Response: Notify the system programmer that the DB2 subsystem requires starting.

Destination: Console and Transient Data Queue CDB2 and Terminal End User

Module: DFHD2STR,DFHD2CM1

XMEOUT Parameters: *date, time, applid, db2-id*

DFHDB2038 *date time applid* **The command is invalid while waiting for** *db2id*

Explanation: The CICS-DB2 attachment facility cannot accept commands directed to DB2 while it is waiting for the DB2 subsystem to start. The name of the DB2 subsystem that is not yet operational is *db2id*.

System Action: The command is rejected.

User Response: Re-issue the command when DB2 has been started and the attachment facility has connected to DB2.

Destination: Terminal End User

Module: DFHD2CM1

DFHDB2039 *date time applid* **The error destinations are:** *dest1 dest2 dest3***.**

Explanation: This message is in response to a CICS-DB2 attachment facility DSNC MODIFY DESTINATION command and lists the currently active message destinations known to the attachment facility. Null entries show as '****' and can be modified so they identify actual destinations.

System Action: Processing continues.

User Response: None.

Destination: Terminal End User

Module: DFHD2CM1

DFHDB2040 *date time applid tranid* **Module** *modname* **could not be found.**

Explanation: During the CICS-DB2 attachment facility initialization, an attempt was made to locate and load the named module, but it was not found in any of the libaries accessible to MVS through the MVS LOAD macro.

System Action: The CICS-DB2 attachment facility initialization does not complete.

User Response: Check the CICS JOBLIB/STEPLIB and ensure that the CICS SDFHAUTH library is defined there and contains the named module.

Destination: CDB2

Module: DFHD2STR

XMEOUT Parameters: *date, time, applid, tranid, modname*

DFHDB2041 *date time applid* **No active threads found.**

Explanation: A DSNC DISPLAY TRANSACTION or DSNC DISPLAY PLAN command was entered, but there were no active threads found. The CICS-DB2 attachment facility might have identified and signed on some subtasks, but a create thread was not issued for any of the subtasks. Likewise, threads may have been created previously on the subtasks but were subsequently terminated when there were no more DB2 requests to service.

System Action: Processing continues normally.

User Response: None.

Destination: Terminal End User

Module: DFHD2CC

DFHDB2042 *date time applid* **Connection not authorized to** *db2-id*

Explanation: The attempt to connect to the *db2-id* DB2 subsystem failed because the user was not authorized to access DB2. Authorization was denied by either RACF or a user-written connection exit.

System Action: The CICS-DB2 attachment does not connect to DB2.

User Response: The userid specified on the CICS job was not authorized to connect to the named DB2 subsystem. Refer to the *DB2 Administration Guide* for information on how to authorize a user to access DB2.

Destination: CDB2

Module: DFHD2STR

XMEOUT Parameters: *date, time, applid, db2-id*

DFHDB2044 *date time applid* **Authorization parameters for** *resname* **have been corrupted.**

Explanation: THe CICS-DB2 attachment facility detected that the AUTHTYPE or AUTHID parameters for *resname* have been corrupted since it was last installed or updated by a SET command. *Resname* is the name of the DB2ENTRY involved, or it is set to 'POOL' or 'COMMAND' if it is the pool or command thread authorizations of the DB2CONN that are involved.

System Action: The transaction is abnormally terminated.

User Response: If it is a DB2ENTRY involved, the DB2ENTRY needs to be reinstalled, or the AUTHID or AUTHTYPE parameters reset using a SET command to make the DB2ENTRY usable.

For pool or command thread authorizations, a SET DB2CONN command needs to be issued to reset the AUTHID or AUTHTYPE parameters, or the DB2CONN needs to be reinstalled. Note however that a DB2CONN cannot be re-installed without stopping the CICS-DB2 attachment facility first.

Destination: CDB2

Module: DFHD2EX1

XMEOUT Parameters: *date, time, applid, resname*

DFHDB2045 *date time applid* **Resource Manager** *rmi-name* **is unknown to the CICS-DB2 Attachment facility.**

Explanation: The CICS-DB2 Attachment facility received a request for a resource manager with entryname *rmi-name*. This resource name is not known by the CICS-DB2 attachment facility.

System Action: The transaction is abnormally terminated with abend code AD21. A CICS system dump is taken.

User Response: You need further assistance from IBM to resolve

this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CDB2

Module: DFHD2EX1

XMEOUT Parameters: *date, time, applid, rmi-name*

DFHDB2048 *date time applid* **Unable to interpret SQL call while formatting an EDF display for transaction** *transid* **task** *taskid*

Explanation: The CICS attachment facility was unable to call its EDF processor DFHD2EDF or the CICS attachment facility was unable to decipher storage associated with an SQL statement for CICS transaction *transid* and task *taskid*. Either the SQL communications area (SQLCA) or the RDS input parameter list (RDI) storage could not be interpreted by the CICS-DB2 attachment facility.

System Action: If the CICS attachment facility was unable to call its EDF processor DFHD2EDF and a transaction dump is taken with dump code AD29.

If DFHD2EDF was called but it was unable to decipher storage, a transaction dump of the storage in question is taken with dump code AD22.

User Response: For an AD29 dump, analyze the trace in the CICS transaction dump to determine why the call to DFHD2EDF failed. For an AD22 dump, analyze the CICS transaction dump of the storage in question. In this situation the information supplied by the Execution Diagnostic Facility (EDF) of CICS for SQL statements consists of:

- The EDF status: ABOUT TO EXECUTE or COMMAND EXECUTION COMPLETE
- The processing status: CALL TO RESOURCE MANAGER DSNCSQL
- The ARG values associated with this call to the CICS-DB2 attachment facility

No other information is provided about the SQL statement.

Destination: CDB2

Module: DFHD2EX1

XMEOUT Parameters: *date, time, applid, transid, taskid*

DFHDB2049 *date time applid* **CICS-DB2 resynchronization for** *db2-id* **Unit of Work** *X'uowid'* **failed with reason code** *X'reason-code'*

Explanation: A resolve indoubt request passed to DB2 from CICS for Unit of Work *uowid* failed with DB2 reason code *reason-code*. The DB2 subsystem involved is *db2id*.

System Action: The UOW remains indoubt in DB2 and CICS keeps hold of the UOW disposition. A CICS system dump is taken with dumpcode 00C30003.

User Response: Use the reason code to determine why the resolve indoubt request failed.

Destination: Console and Transient Data Queue CDB2

Module: DFHD2EX1

XMEOUT Parameters: *date, time, applid, db2-id, X'uowid', X'reason-code'*

DFHDB2050 *date time applid tranid termid* **Abend** *abcode* **has occurred in dynamic plan exit program** *progname*

Explanation: Dynamic plan exit program *progname* has abnormally terminated with abend code *abcode*.

System Action: Normal transaction abend processing continues.

User Response: See the description of abend code *abcode* for further guidance.

If the code is not a CICS transaction abend code, it is a user abend code. Request an explanation from the programmer responsible for this area.

Destination: CDB2

Module: DFHD2EX1

XMEOUT Parameters: *date, time, applid, tranid, termid, abcode, progname*

DFHDB2051 *date time applid tranid termid* **Abend** *abcode* **in DFHD2EX1 - Dynamic plan exit program** *progname* **must be AMODE 31.**

Explanation: The CICS-DB2 attachment facility has failed to link to dynamic plan exit program *progname* because it is not link edited AMODE 31.

System Action: Normal transaction abend processing continues.

User Response: Relinkedit the dynamic plan exit program AMODE 31.

Destination: CDB2

Module: DFHD2EX1

XMEOUT Parameters: *date, time, applid, tranid, termid, abcode, progname*

DFHDB2053 *date time applid tranid termid* **Abend** *abcode* **in DFHD2EX1 - Dynamic plan exit program** *progname* **is disabled.**

Explanation: The CICS-DB2 attachment facility has failed to link to dynamic plan exit program *progname* because it is disabled.

System Action: Normal transaction abend processing continues.

User Response: Enable the dynamic plan exit program.

Destination: CDB2

Module: DFHD2EX1

XMEOUT Parameters: *date, time, applid, tranid, termid, abcode, progname*

DFHDB2054 *date time applid tranid termid* **Abend** *abcode* **in DFHD2EX1 - Link to the dynamic plan exit** *progname* **failed.**

Explanation: An unexpected return code was returned from the link to the dynamic plan exit program *progname* by the CICS-DB2 attachment facility.

System Action: Normal transaction abend processing continues.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CDB2

Module: DFHD2EX1

XMEOUT Parameters: *date, time, applid, tranid, termid, abcode, progname*

DFHDB2055 *date time applid* **Single phase commit failed with reason code** *X'reason-code'* **for transaction** *transid* **task** *taskid*

Explanation: CICS requested a single-phase commit from DB2, but DB2 was unable to comply. The request failed with DB2 reason code *reason-code*.

System Action: The CICS-DB2 attachment facility abormally terminates the transaction with abend code AD2W. CICS recovery manager will supersede the AD2W abend code with abend code ASPR.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CDB2

Module: DFHD2EX1

XMEOUT Parameters: *date, time, applid, X'reason-code', transid, taskid*

DFHDB2057 *date time applid tranid termid* **Abend** *abcode* **in DFHD2EX1 - PPT entry for dynamic plan exit program** *progname* **was not found.**

Explanation: CICS was unable to find a PPT entry for the dynamic plan exit program *progname*.

System Action: Normal transaction abend processing continues.

User Response: Ensure that the dynamic plan exit program *progname* has been correctly defined to CICS.

Destination: CDB2

Module: DFHD2EX1

XMEOUT Parameters: *date, time, applid, tranid, termid, abcode, progname*

DFHDB2058 *date time applid tranid termid* **Abend** *abcode* **in DFHD2EX1 - Fetch for dynamic plan exit program** *progname* **failed.**

Explanation: CICS was unable to load the dynamic plan exit program *progname*.

System Action: Normal transaction abend processing continues.

User Response: Ensure that the dynamic plan exit program *progname* has been correctly defined and is in a load library accessible to CICS.

Destination: CDB2

Module: DFHD2EX1

XMEOUT Parameters: *date, time, applid, tranid, termid, abcode, progname*

DFHDB2061 *date time applid* **The INITPARM specified for the CICS-DB2 attachment is invalid. The attachment facility cannot start.**

Explanation: The initparm for the CICS-DB2 attachment facility is not in the correct format. The format of the INITPARM should be:

```
INITPARM=(DFHD2INI='yyyy')
```

where ***yyyy*** is a one to four character DB2 subsystem id. CICS no longer supports running with a macro RCT, so an RCT suffix should not be specified in the initparm string.

System Action: The CICS-DB2 attachment facility initialization does not complete.

User Response: Correct the INITPARM and restart the CICS region, or specify a DB2 subsystem id on a DSNC STRT command or in the DB2CONN. INITPARM is only used when the DB2CONN definition does not contain a DB2ID and a DB2ID is not specified on the startup command.

Destination: CDB2

Modules: DFHD2STR, DFHD2CM1

XMEOUT Parameters: *date, time, applid*

DFHDB2063 *date time applid* **Authorization failure starting the CICS-DB2 attachment with RESP=***xxxx* **and RESP2=***yyyy*

Explanation: An authorization error occurred when starting the CICS-DB2 attachment. The SET DB2CONN CONNECTED responses for RESP (*xxxx*) and RESP2 (*yyyy*) indicate the specific error.

System Action: The CICS-DB2 attachment initialization does not complete.

User Response: Ensure that the DSNC transaction definition in group DFHDB2 is the installed definition.

Destination: CDB2

Module: DFHD2CM1

XMEOUT Parameters: *date, time, applid, xxxx, yyyy*

DFHDB2065 INVALID LENGTH. DATA NOT DISPLAYABLE.

Explanation: The module running under the CICS Execution Diagnostic Facility (EDF) attempted to display an input or output variable that had an incorrect length indicator.

System Action: EDF processing continues, but the value of the variable is not displayed.

User Response: Examine the SQL statement in the application program.

Note: This message cannot be changed with the message editing utility.

Destination: Terminal End User

Module: DFHD2EDF

DFHDB2066 *date time applid tranid termid* **Abend** *abcode* **in DFHD2EX1 - PPT entry for dynamic plan exit program** *progname* **defines the program as remote.**

Explanation: The PPT entry for the dynamic plan exit program *progname* defines the program as remote. The dynamic plan exit program must be local to this CICS system.

System Action: Normal transaction abend processing continues.

User Response: Correct the PPT entry to define the program as local.

Destination: CDB2

Module: DFHD2EX1

XMEOUT Parameters: *date, time, applid, tranid, termid, abcode, progname*

DFHDB2067 *date time applid* **The CICS-DB2 attachment facility is already inactive.**

Explanation: A DSNC STOP command or an EXEC CICS SET DB2CONN NOTCONNECTED command was issued when the CICS-DB2 interface was already inactive.

System Action: The CICS-DB2 attachment facility stop processing is ended.

User Response: If this was unexpected, examine earlier messages to determine why the CICS-DB2 attachment facility is inactive.

Destination: CDB2 and Terminal End User

Module: DFHD2STP

XMEOUT Parameters: *date, time, applid*

DFHDB2068 *applid* **Send text command to terminal** *termid* **failed with eibresp** *X'eibresp'***.**

Explanation: While processing a DSNC command, an EXEC CICS SEND TEXT command to terminal *termid* failed with EIBRESP *eibresp*.

System Action: Processing of the command terminates.

User Response: Examine the eibresp value *eibresp* to determine why the SEND TEXT command failed.

Destination: Console and Terminal End User

Module: DFHD2CC

XMEOUT Parameters: *applid, termid, X'eibresp'*

DFHDB2069 *applid* **Send page command to terminal** *termid* **failed with eibresp** *X'eibresp'***.**

Explanation: While processing a DSNC command, an EXEC CICS SEND PAGE command to terminal *termid* failed with EIBRESP *eibresp*.

System Action: Processing of the command terminates.

User Response: Examine the eibresp value to determine why the SEND PAGE command failed.

Destination: Console and Terminal End User

Module: DFHD2CC

XMEOUT Parameters: *applid, termid, X'eibresp'*

DFHDB2070 *date time applid* **Syncpoint rollback failed for transaction** *transid* **with eibresp2** *X'eibresp2'*

Explanation: DB2 detected a deadlock and the CICS-DB2 attachment facility attempted a syncpoint rollback command for transaction *transid* because DROLLBACK(YES) was specified for the DB2ENTRY or POOL. The syncpoint rollback command failed with EIBRESP2 set to *eibresp2*.

System Action: The transaction is abnormally terminated with abend code AD2Z.

User Response: Examine the eibresp2 value *eibresp2* to determine why the syncpoint rollback request failed. One possible reason could be that the transaction running is a DPL server transaction which was DPLed to by a client transaction without specifying the SYNCONRETURN parameter. In this case syncpoints or syncpoint rollbacks cannot be taken by the server transaction, so DROLLBACK(YES) is invalid in this case.

Destination: CDB2

Module: DFHD2EX1

XMEOUT Parameters: *date, time, applid, transid, X'eibresp2'*

DFHDB2071 *date time applid* **The first error destination cannot be null.**

Explanation: This message is in response to a CICS-DB2 attachment facility DSNC MODIFY DESTINATION command. An attempt was made to nullify the first error destination by setting it to '****'. The CICS-DB2 attachment facility does not allow a null first error destination. The second and third error destinations may be nullified.

System Action: The CICS-DB2 attachment facility command is not processed.

User Response: Re-enter the command with a correct destination ID.

Destination: Terminal End User

Module: DFHD2CM1

DFHDB2072 *date time applid* **Transaction** *transid* **, task** *tasknum* **has been directed to the pool as DB2ENTRY** *db2ename* **is disabled.**

Explanation: Transaction *transid* is associated with DB2ENTRY *db2ename*. However DB2ENTRY *db2ename* is disabled or disabling and the DISABLEDACT keyword on the DB2ENTRY specifies that new work should be directed to the pool.

System Action: The transaction will use a DB2 thread from the pool.

This message is output for each task that attempts to use the disabled DB2ENTRY.

User Response: Determine why the DB2ENTRY has been disabled. If appropriate re-enable the DB2ENTRY.

Destination: CDB2

Module: DFHD2EX1

XMEOUT Parameters: *date, time, applid, transid, tasknum, db2ename*

DFHDB2073 *date time applid* **Transaction** *transid* **has been directed to the pool as DB2TRAN** *db2tname* **refers to DB2ENTRY** *db2ename* **which is not installed.**

Explanation: Transaction *transid* is associated with DB2TRAN *db2tname* which is turn refers to DB2ENTRY *db2ename*. However DB2ENTRY *db2ename* is not installed in the CICS system. The DB2TRAN *db2tname* is an 'orphan' in that it refers to a DB2ENTRY that does not exist. A DB2TRAN cannot be installed unless its associated DB2ENTRY has been installed first. Hence either the DB2ENTRY has subsequently been discarded or the DB2TRAN modified by a SET command to refer to a non existent DB2ENTRY.

System Action: The transaction will use a DB2 thread from the pool.

This message is output only when an attempt is made to locate a DB2ENTRY for the transaction. Having decided to use the pool, the CICS-DB2 attachment facility will use the pool for all subsequent transactions of the same name without locating the DB2ENTRY each time. When any DB2TRAN or DB2ENTRY is installed or modified will this force a relocate of the DB2ENTRY next time the transaction is run.

User Response: Determine why the DB2ENTRY is not installed. If appropriate re-install the DB2ENTRY.

Destination: CDB2

Module: DFHD2EX1

XMEOUT Parameters: *date, time, applid, transid, db2tname, db2ename*

DFHDB2074 *date time applid* **CICS-DB2 Attachment facility startup cannot proceed as the currently installed DB2CONN is not useable.**

Explanation: The CICS-DB2 Attachment facility detected that the currently installed DB2CONN is marked for discard. This implies that a previous discard of the DB2CONN did not complete successfully. A discard of a DB2CONN involves CICS discarding all DB2TRANs and DB2ENTRYs first before discarding the DB2CONN. The discard request failed before finally deleting the DB2CONN.

System Action: Startup of the CICS-DB2 interface does not complete.

User Response: If an RDO-defined RCT is being used, re-issue the discard for the DB2CONN. When it has been sucessfully discarded, re-install the required DB2CONN, DB2ENTRYs and DB2TRANs and then retry the startup of the CICS-DB2 interface.

If a macro RCT is to be used, issue a discard for the current DB2CONN and then retry the startup of the CICS-DB2 interface.

Destination: CDB2 and Terminal End User

Module: DFHD2STR

XMEOUT Parameters: *date, time, applid*

DFHDB2100 *applid* **Program DFHD2RP cannot be found.**

Explanation: CICS cannot link to the CICS/DB2 restart program (DFHD2RP).

CICS cannot find DFHD2RP in any data set concatenated in the DFHRPL DD statement in the CICS startup job stream.

System Action: CICS initialization terminates with message DFHSI1521 and a dump is taken.

User Response: To correct this error, place DFHD2RP in a partitioned data set in the DFHRPL DD statement.

Destination: Console

Module: DFHD2IN2

XMEOUT Parameter: *applid*

DFHDB2101 *date time applid terminal userid tranid* **DB2CONN** *db2conn-name* **has been added.**

Explanation: This is an audit log message indicating that DB2CONN *db2conn-name* has been added to the CICS system using the INSTALL command or EXEC CICS CREATE. Where:

- *terminal* is the netname or termid of the terminal associated with the transaction issuing the message. If there is no terminal associated with the transaction, the terminal name is suppressed.
- *userid* is the user identifier of the user associated with the transaction issuing the message.
- *tranid* is the transaction issuing the message.

There can be only one DB2CONN installed in the CICS system at a time. A DB2CONN is the minimum required for an RCT.

System Action: The system continues normally.

User Response: None.

Destination: CDB2

Module: DFHD2TM

XMEOUT Parameters: *date, time, applid, terminal, userid, tranid, db2conn-name*

DFHDB2102 *date time applid terminal userid tranid* **DB2CONN** *db2conn-name* **has been replaced.**

Explanation: This is an audit log message indicating that DB2CONN *db2conn-name* has been replaced in the RCT using the INSTALL command or EXEC CICS CREATE. Where:

- *terminal* is the netname or termid of the terminal associated with the transaction issuing the message. If there is no terminal associated with the transaction, the terminal name is suppressed.
- *userid* is the user identifier of the user associated with the transaction issuing the message.
- *tranid* is the transaction issuing the message.

System Action: The system continues normally.

User Response: None.

Destination: CDB2

Module: DFHD2TM

XMEOUT Parameters: *date, time, applid, terminal, userid, tranid, db2conn-name*

DFHDB2103 *date time applid terminal userid tranid* **DB2CONN** *db2conn-name* **has been deleted.**

Explanation: This is an audit log message indicating that DB2CONN *db2conn-name* has been deleted from the CICS system using the DISCARD command. Where:

- *terminal* is the netname or termid of the terminal associated with the transaction issuing the message. If there is no terminal associated with the transaction, the terminal name is suppressed.
- *userid* is the user identifier of the user associated with the transaction issuing the message.
- *tranid* is the transaction issuing the message.

Deleting of a DB2CONN means that the whole RCT is deleted. This message will have been preceded by messages indicating the deletion of any currently installed DB2ENTRYs and DB2TRANs which by definition are always associated with the currently installed DB2CONN.

System Action: The system continues normally.

User Response: None.

Destination: CDB2

Module: DFHD2TM

XMEOUT Parameters: *date, time, applid, terminal, userid, tranid, db2conn-name*

DFHDB2104 *date time applid terminal userid tranid* **DB2ENTRY** *db2entry-name* **has been added.**

Explanation: This is an audit log message indicating that DB2ENTRY *db2entry-name* has been added to the CICS system using the INSTALL command or EXEC CICS CREATE. Where:

- *terminal* is the netname or termid of the terminal associated with the transaction issuing the message. If there is no terminal associated with the transaction, the terminal name is suppressed.
- *userid* is the user identifier of the user associated with the transaction issuing the message.

- *tranid* is the transaction issuing the message.

System Action: The system continues normally.

User Response: None.

Destination: CDB2

Module: DFHD2TM

XMEOUT Parameters: *date, time, applid, terminal, userid, tranid, db2entry-name*

DFHDB2105 *date time applid terminal userid tranid* **DB2ENTRY** *db2entry-name* **has been replaced.**

Explanation: This is an audit log message indicating that DB2ENTRY *db2entry-name* has been replaced in the RCT using the INSTALL command or EXEC CICS CREATE. Where:

- *terminal* is the netname or termid of the terminal associated with the transaction issuing the message. If there is no terminal associated with the transaction, the terminal name is suppressed.
- *userid* is the user identifier of the user associated with the transaction issuing the message.
- *tranid* is the transaction issuing the message.

System Action: The system continues normally.

User Response: None.

Destination: CDB2

Module: DFHD2TM

XMEOUT Parameters: *date, time, applid, terminal, userid, tranid, db2entry-name*

DFHDB2106 *date time applid terminal userid tranid* **DB2ENTRY** *db2entry-name* **has been deleted.**

Explanation: This is an audit log message indicating that DB2ENTRY *db2entry-name* has been deleted from the CICS system using the DISCARD command. Where:

- *terminal* is the netname or termid of the terminal associated with the transaction issuing the message. If there is no terminal associated with the transaction, the terminal name is suppressed.
- *userid* is the user identifier of the user associated with the transaction issuing the message.
- *tranid* is the transaction issuing the message.

System Action: The system continues normally.

User Response: None.

Destination: CDB2

Module: DFHD2TM

XMEOUT Parameters: *date, time, applid, terminal, userid, tranid, db2entry-name*

DFHDB2107 *date time applid terminal userid tranid* **DB2TRAN** *db2tran-name* **has been added.**

Explanation: This is an audit log message indicating that DB2TRAN *db2tran-name* has been added to the CICS system using the INSTALL command or EXEC CICS CREATE. Where:

- *terminal* is the netname or termid of the terminal associated with the transaction issuing the message. If there is no terminal associated with the transaction, the terminal name is suppressed.
- *userid* is the user identifier of the user associated with the transaction issuing the message.
- *tranid* is the transaction issuing the message.

System Action: The system continues normally.

User Response: None.

Destination: CDB2

Module: DFHD2TM

XMEOUT Parameters: *date, time, applid, terminal, userid, tranid, db2tran-name*

DFHDB2108 *date time applid terminal userid tranid* **DB2TRAN** *db2tran-name* **has been replaced.**

Explanation: This is an audit log message indicating that DB2TRAN *db2tran-name* has been replaced in the RCT using the INSTALL command or EXEC CICS CREATE. Where:

- *terminal* is the netname or termid of the terminal associated with the transaction issuing the message. If there is no terminal associated with the transaction, the terminal name is suppressed.
- *userid* is the user identifier of the user associated with the transaction issuing the message.
- *tranid* is the transaction issuing the message.

System Action: The system continues normally.

User Response: None.

Destination: CDB2

Module: DFHD2TM

XMEOUT Parameters: *date, time, applid, terminal, userid, tranid, db2tran-name*

DFHDB2109 *date time applid terminal userid tranid* **DB2TRAN** *db2tran-name* **has been deleted.**

Explanation: This is an audit log message indicating that DB2TRAN *db2tran-name* has been deleted from the CICS system using the DISCARD command. Where:

- *terminal* is the netname or termid of the terminal associated with the transaction issuing the message. If there is no terminal associated with the transaction, the terminal name is suppressed.
- *userid* is the user identifier of the user associated with the transaction issuing the message.
- *tranid* is the transaction issuing the message.

System Action: The system continues normally.

User Response: None.

Destination: CDB2

Module: DFHD2TM

XMEOUT Parameters: *date, time, applid, terminal, userid, tranid, db2tran-name*

DFHDB2207 *date time applid* **Load error** *rc abend-code* **for module** *modname*

Explanation: Error *rc* with *abend-code* occurred when the CICS-DB2 attachment facility initialization attempted to use the MVS LOAD macro to load module *modname*.

System Action: The CICS-DB2 attachment initialization does not complete.

User Response: Resolve the problem indicated by the LOAD return code and abend code.

Destination: CDB2

Module: DFHD2STR

XMEOUT Parameters: *date, time, applid, rc, abend-code, modname*

DFHDB2208 *date time applid* **Delete error** *rc* **for module** *modname*

Explanation: Error *rc* occurred when the CICS-DB2 attachment facility attempted to use the MVS DELETE macro to delete module *modname* during shutdown of the CICS-DB2 interface.

System Action: The CICS-DB2 attachment shutdown continues.

User Response: Resolve the problem indicated by the DELETE return code.

Destination: CDB2

Module: DFHD2STP

XMEOUT Parameters: *date, time, applid, rc, modname*

DFHDB2210 *date time applid* **DB2 subsystem id** *db2-id* **contains invalid characters. The CICS-DB2 Attachment facility is not started.**

Explanation: The CICS-DB2 attachment facility startup cannot complete because the *db2-id* subsystem id specified on the DSNC STRT command contains invalid characters.

System Action: The CICS-DB2 attachment facility does not start.

User Response: Correct the DB2 subsystem id and retry the DSNC STRT command.

Destination: Terminal End User

Module: DFHD2CM1

DFHDB2300 *date time applid tranid* **DB2 command output truncated (***ifcabnm* **bytes not shown).**

Explanation: *ifcabnm* bytes of a DB2 command response could not be shown.

System Action: The command processing completes, but the output is truncated.

User Response: If you need complete command output, modify the command to reduce the amount of output. For example, specify specific databases rather than an asterisk on a -DISPLAY DATABASE(xxxx).

Destination: CDB2

Module: DFHD2CM1

XMEOUT Parameters: *date, time, applid, tranid, ifcabnm*

DFHDB2301 *date time applid tranid* **DB2 command complete.**

Explanation: The DB2 command processing is complete.

System Action: Control is returned to the user.

User Response: None.

Destination: CDB2 and Terminal End User

Module: DFHD2CM1

XMEOUT Parameters: *date, time, applid, tranid*

DFHDB8101 I *date time applid* **Connection to DBCTL** *xxxx* **is now complete. Startup Table Suffix used is** *xx***.**

Explanation: DBCTL has notified CICS that the CICS-DBCTL connection is complete.

System Action: CICS resynchronizes any outstanding DBCTL in-doubts.

User Response: None.

Destination: CDBC

Module: DFHDBCT

XMEOUT Parameters: *date, time, applid, xxxx, xx*

DFHDB8102 I *date time applid* **Disconnection from DBCTL** *xxxx* **is now complete.**

Explanation: CICS has successfully disconnected from DBCTL.

System Action: CICS has successfully disconnected from DBCTL and performed its clean up.

User Response: None.

Destination: CDBC

Module: DFHDBDI

XMEOUT Parameters: *date, time, applid, xxxx*

DFHDB8103 E *date time applid* **IDENTIFY request to DBCTL** *xxxx* **has failed. MVS SSI return code** *rc***, reason code** *reason***.**

Explanation: CICS has attempted to connect to DBCTL. The attempt has failed. CICS has been notified that DBCTL is not currently executing. The return code from MVS SSI, reported in PAPLRETC, is *rc*. The reason code from MVS SSI, reported in PAPLRCOD, is *reason*. The return and reason codes reported in PAPLRETC and PAPLRCOD are explained in the *IMS Messages and Codes* manual.

System Action: CICS attempts to connect to DBCTL at 5 second intervals, issuing this message at each attempt, and message DFHDB8297 at 1 minute intervals, until either:

1. Disconnection is requested via the CICS supplied DBCTL support menu transaction, CDBC.
2. 10 minutes have elapsed, after which time CICS stops attempting to connect and IMS message DFS0690 is issued, requesting the operator to type in WAIT (retry the connection attempt) or CANCEL (abandon the connection attempt).

Refer to the explanation of DFHDB8297 for more information. Refer to the *IMS Messages and Codes* manual for further information on message DFS0690.

User Response: Check why DBCTL is not running. You can cancel the connection attempts by using the CDBC transaction to issue a disconnect request. If message DFH0690 has been issued you should reply to this.

Destination: CDBC

Module: DFHDBCT

XMEOUT Parameters: *date, time, applid, xxxx, rc, reason*

DFHDB8104 E *date time applid* **IDENTIFY request to DBCTL** *xxxx* **has been rejected by DBCTL.** *{System abend code | IMS user abend code | DBCTL return code }rc***.**

Explanation: CICS has attempted to connect to DBCTL. The attempt has failed. CICS has been notified that DBCTL has rejected the identify request.

System Action: The attempt to connect to DBCTL is abandoned and the storage associated with the CICS-DBCTL interface is cleaned up. Message DFHDB8102 is output.

User Response: For further information about the nonzero response code, if *rc* is:

- A **system abend code**, refer to the *OS/390 MVS System Codes* manual
- An **IMS user abend code**, refer to the *IMS Messages and Codes* manual
- A **DBCTL return code**, refer to the *IMS Messages and Codes* manual.

Destination: CDBC

Module: DFHDBCT

XMEOUT Parameters: *date, time, applid, xxxx, {1=System abend code , 2=IMS user abend code , 3=DBCTL return code }, rc*

DFHDB8105 W *date time applid* **Operator has requested cancellation of the connection to DBCTL.**

Explanation: DBCTL notifies CICS that the operator has replied 'CANCEL' to IMS message DFS0690. Refer to the *IMS Messages and Codes* manual for information on IMS message DFS0690.

System Action: CICS cleans up the storage associated with the CICS-DBCTL interface and issues message DFHDB8102.

User Response: None. This message is for information only.

Destination: CDBC

Module: DFHDBCT

XMEOUT Parameters: *date, time, applid*

DFHDB8106 E *date time applid* **The DRA has abnormally terminated. CICS is no longer connected to DBCTL id** *xxxx***.**

Explanation: DBCTL has notified CICS that the database resource adapter (DRA) is abnormally terminating.

System Action: CICS cleans up the storage associated with the CICS-DBCTL interface and disconnects from DBCTL. CICS then issues message DFHDB8102.

User Response: See the *CICS IMS Database Control Guide* for information about problem determination. If you wish to reconnect CICS to DBCTL, use the menu transaction CDBC.

Destination: CDBC

Module: DFHDBCT

XMEOUT Parameters: *date, time, applid, xxxx*

DFHDB8107 E *date time applid* **DBCTL** *xxxx* **has abnormally terminated. Will attempt to reconnect.**

Explanation: DBCTL notifies CICS it is about to terminate.

System Action: CICS will attempt to reconnect to DBCTL.

User Response: Notify the system programmer.

Look for messages output by the DBCTL system and determine why DBCTL failed. Restart DBCTL if required.

Destination: CDBC

Module: DFHDBCT

XMEOUT Parameters: *date, time, applid, xxxx*

DFHDB8108 I *date time applid* **DBCTL** *xxxx* **has received a CHECKPOINT FREEZE command. CICS will disconnect from DBCTL.**

Explanation: DBCTL notifies CICS that it is about terminate because a CHECKPOINT FREEZE command has been issued.

System Action: CICS will clean up the storage associated with the CICS-DBCTL interface and will then output message DFHDB8102.

User Response: None.

Destination: CDBC

Module: DFHDBCT

XMEOUT Parameters: *date, time, applid, xxxx*

DFHDB8109 E *date time applid* **Request to DL/I failed for transaction** *tranid***, task** *taskid***, recovery token X'***nn***'***{, system abend code | , IMS user abend code | , DBCTL return code }rc***, DBCTL id** *xxxx***.**

Explanation: DBCTL *xxxx* returns a nonzero response code *rc* when a DL/I request has been issued from an application program.

System Action: The CICS transaction may be abnormally terminated.

User Response: If the CICS transaction is abnormally terminated, refer to the accompanying CICS transaction abend code.

For further information about the nonzero response code, if *rc* is:

- A **system abend code**, refer to the *OS/390 MVS System Codes* manual
- An **IMS user abend code**, refer to the *IMS Messages and Codes* manual
- A **DBCTL return code**, refer to the *IMS Messages and Codes* manual.

For further information about the unit of recovery, refer to the *CICS IMS Database Control Guide*.

Destination: CDBC

Module: DFHDLIDP

XMEOUT Parameters: *date, time, applid, tranid, taskid, X'nn', {1=, system abend code , 2=, IMS user abend code , 3=, DBCTL return code }, rc, xxxx*

DFHDB8110 E *date time applid* **Non zero return code from DFHDBAT. Return code** *rc* **for** *request* **request.**

Explanation: The module DFHDBAT, which is a task related user exit forming part of the CICS-DBCTL interface, returns a nonzero return code in reply to a request issued from CICS to DBCTL.

System Action: The request to DBCTL fails.

Three types of request to DBCTL can fail in this way:

1. A request to connect to DBCTL from module DFHDBCON
2. A request to disconnect from DBCTL from module DFHDBDSC
3. A DL/I request from an application program via module DFHDLIDP

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: The return code is one of the following:

4 — CALL NOT UNDERSTOOD
This can be returned when attempting to connect, disconnect or issue DL/I requests to DBCTL. The most likely cause is a storage overwrite. If CICS detects a storage overwrite, a dump is taken.

8 — REDUNDANT INTERFACE CALL
This can be returned when attempting to connect or disconnect from DBCTL. The request is ignored.

16 — DISCONNECT PRE-EMPTED
This can be returned when attempting to disconnect from DBCTL while a disconnection request is already being processed.

24 — ADAPTER NOT READY
A request has been made to the adaptor DFHDBAT but CICS is still in the process of connecting to DBCTL.

28 — ADAPTER IS DISABLED
This indicates that the CICS-DBCTL interface is not available.

Note: The DBCTL interface terminates normally after any inflight tasks accessing DBCTL complete the unit of work. Subsequently any new unit of work or ATI task can receive this return code because of a PCB schedule failure.

Destination: CDBC

Modules: DFHDBCON, DFHDBDSC, DFHDLIDP

XMEOUT Parameters: *date, time, applid, rc, request*

DFHDB8111 E *date time applid* **Connection has failed. DBCTL return code** *rc***.**

Explanation: DBCTL returns a nonzero response code when CICS is attempting to connect to it.

System Action: The connection attempt is abandoned.

User Response: Notify the system programmer.

For further information about the DBCTL return code, refer to the *IMS Messages and Codes* manual.

Destination: CDBC

Module: DFHDBCON

XMEOUT Parameters: *date, time, applid, rc*

DFHDB8112 E *date time applid* **Unable to generate Task Token due to purge request.**

Explanation: The module, DFHDBTOX, was invoked:

- To set up a task token, or
- To GETMAIN some storage.

The GETMAIN failed.

System Action: Processing continues.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: This message indicates that there is a storage management problem. You should check for other messages issued from the CICS region to the MVS console.

See the *CICS Problem Determination Guide* for guidance on dealing with storage problems.

Destination: CDBC

Module: DFHDBTOX

XMEOUT Parameters: *date, time, applid*

DFHDB8113 E *date time applid* **Getmain failure for storage to hold the indoubt list. Resync has not taken place.**

Explanation: Connection to DBCTL has been completed, but there are some in-doubts outstanding. The GETMAIN to store the in-doubts has failed.

System Action: CICS remains connected to DBCTL but the in-doubts are not resolved.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: This message indicates that there is a storage management problem. You should check for other messages issued from the CICS region to the MVS console.

See the *CICS Problem Determination Guide* for guidance on dealing with storage problems.

Destination: CDBC

Module: DFHDBCT

XMEOUT Parameters: *date, time, applid*

DFHDB8114 E *date time applid* **Connection has failed. DRA startup table with suffix** *xx* **cannot be found.**

Explanation: An attempt has been made to connect CICS to DBCTL but the DRA Startup Table with the suffix *xx* cannot be found.

System Action: The connection attempt is abandoned.

User Response: If you were using the DBCTL Support Menu transaction, CDBC, check to see if you have mistyped the suffix value.

If you have not mistyped the suffix value then notify the system programmer.

Place the DRA Startup Table in a CICS STEPLIB library. For further guidance on how to do this, see the *CICS IMS Database Control Guide*.

Destination: CDBC

Module: DFHDBCON

XMEOUT Parameters: *date, time, applid, xx*

DFHDB8115 E *date time applid* **Connection has failed. Module DFSPRRC0 cannot be found.**

Explanation: An attempt has been made to connect CICS to DBCTL but the DRA Router module, DFSPRRC0, cannot be found.

System Action: The connection attempt is abandoned.

User Response: Place the module DFSPRRC0 in a CICS STEPLIB library. For further guidance on how to do this, refer to the *CICS IMS Database Control Guide*.

Destination: CDBC

Module: DFHDBCON

XMEOUT Parameters: *date, time, applid*

DFHDB8116 I *date time applid* **Connection to DBCTL** *xxxx* **is proceeding. Startup Table Suffix used is** *xx***.**

Explanation: The first phase of connecting CICS to DBCTL has been completed.

System Action: CICS connection to DBCTL proceeds.

User Response: None.

Destination: CDBC

Module: DFHDBCON

XMEOUT Parameters: *date, time, applid, xxxx, xx*

DFHDB8117 W *date time applid* **No connection to DBCTL made although the connection program is in the PLT.**

Explanation: The connection program, DFHDBCON, has been placed in the program list table (PLT) but CICS was not connected when CICS last shut down.

System Action: CICS will not connect to DBCTL.

User Response: This is a warning message. In this case, if you wish to connect CICS to DBCTL then use the DBCTL Support Menu transaction, CDBC.

Destination: CDBC

Module: DFHDBCON

XMEOUT Parameters: *date, time, applid*

DFHDB8118 E *date time applid* **Connection to DBCTL** *xxxx* **has been rejected by CICS. Reason code** *rc***.**

Explanation: CICS has rejected the connection attempt to DBCTL for reason *rc* The value in the reason code field is 4. This indicates an invalid IMS/ESA release for storage protection. That is, CICS storage protection was active, and an attempt was made to connect to a DBCTL system running a release of IMS/ESA that does not support the storage protection function.

System Action: On completion of phase 2 connection processing, CICS indicates to the database resource adapter (DRA), in the control exit, that the DRA should terminate. CICS then completes cleanup of the CICS-DBCTL interface. The status of the interface is that CICS is not connected to DBCTL.

User Response: Connection to this DBCTL system is only possible if CICS is run with storage protection turned off. To run with storage protection on, install a release of IMS/ESA that supports the storage protection function.

Destination: CDBC

Module: DFHDBCT

XMEOUT Parameters: *date, time, applid, xxxx, rc*

DFHDB8119 I *date time applid* **CICS is INDOUBT about the LUW with recovery token** *X'rectok'* **after issuing a single phase commit request to DBCTL,** *{SYSTEM ABEND CODE | IMS USER ABEND | DBCTL RETURN CODE} rc***.**

Explanation: CICS was attempting to syncpoint updates made to IMS databases via DBCTL for the logical unit of work (LUW) identified by unit of recovery X'*rectok*'. CICS has detected that updates were made to only one resource manager, DBCTL, in this LUW, and hence has issued a single-phase commit to DBCTL, in place of the normal two-phase commit process. An unexpected response to the single-phase commit has been received from DBCTL, and so CICS is INDOUBT about this LUW. CICS is unable to report whether the updates made via DBCTL have been committed or backed out. No local CICS resources are affected.

System Action: The transaction terminates abnormally with abend code ADCS and a transaction dump. CICS processing continues.

User Response: The unit of recovery X'*rectok*' output with this message can be used in conjunction with IMS message DFSxxxx output on the IMS console to determine the outcome of the LUW.

If the IMS region has failed, on restart of the IMS region, IMS will output DFSxxxx messages for each LUW that has committed using the single-phase commit protocol. The DFSxxxx message contains the same X'*rectok*' recovery token as output in this message. While matching up the recovery tokens, if a DFSxxxx message is found with the same recovery token, then the LUW was comitted. Failure to find a relevant DFSxxxx message means that the LUW has been backed out.

Rather than the IMS region failing, if the bad response to single-phase commit was caused by an individual thread failure and the LUW has been committed, then IMS outputs a DFSxxxx message for just this LUW.

For further information on IMS message DFSxxxx, refer to the *IMS Messages and Codes manual*

For further information about the nonzero response code, if *rc* is:

- A **system abend code**, refer to the *OS/390 MVS System Codes* manual
- An **IMS user abend code**, refer to the *IMS Messages and Codes* manual
- A **DBCTL return code**, refer to the *IMS Messages and Codes* manual.

Destination: CDBC

Module: DFHDBAT

XMEOUT Parameters: *date, time, applid, X'rectok', {1=SYSTEM ABEND CODE, 2=IMS USER ABEND, 3=DBCTL RETURN CODE}, rc*

DFHDB8120 I *date time applid* **DBCTL may be INDOUBT about the LUW with recovery token X'***nn***', which CICS has** *{committed | backed out}***,** *{SYSTEM ABEND CODE | IMS USER ABEND CODE | DBCTL RETURN CODE} rc***.**

Explanation: CICS has received a bad return code from DBCTL for a commit or backout request for the logical unit of work (LUW) identified by unit of recovery X'*nn*'.

System Action: CICS has either backed out or committed this LUW. CICS continues.

User Response: At the next reconnection, CICS and DBCTL resolve all INDOUBTs.

Alternatively you can request DBCTL to find out if the LUW is INDOUBT, and instruct DBCTL to commit it or back it out. For more information on how to do this, refer to the *CICS IMS Database Control Guide*.

For further information about the nonzero response code, if *rc* is:

- a **system abend code**, refer to the *OS/390 MVS System Codes* manual
- an **IMS user abend code**, refer to the *IMS Messages and Codes* manual
- a **DBCTL return code**, refer to the *IMS Messages and Codes* manual.

Destination: CDBC

Module: DFHDBAT

XMEOUT Parameters: *date, time, applid, X'nn', {1=committed, 2=backed out}, {1=SYSTEM ABEND CODE, 2=IMS USER ABEND CODE, 3=DBCTL RETURN CODE}, rc*

DFHDB8121 I *date time applid* **A failure has occurred in DBCTL during syncpoint prepare processing.** *{System abend code | IMS user abend code | DBCTL return code | IMS fast path status code} rc***.**

Explanation: CICS has detected a failure in DBCTL during syncpoint prepare processing.

System Action: The transaction terminates abnormally with abend code ASP7 and a transaction dump. CICS processing continues.

User Response: Refer to the abend code ASP7 for further information about the accompanying CICS transaction.

For further information about the nonzero response code, if *rc* is:

- A **system abend code**, refer to the *OS/390 MVS System Codes* manual
- An **IMS user abend code**, refer to the *IMS Messages and Codes* manual
- A **DBCTL return code**, refer to the *IMS Messages and Codes* manual
- An **IMS fast path status code**, refer to the *IMS Application Programming: EXEC DLI Commands* manual if you were running an EXEC DLI program at the time of the message, or if you were using CALL, refer to the *Application Programming: DL/I Calls*.

Destination: CDBC

Module: DFHDBAT

XMEOUT Parameters: *date, time, applid, {1=System abend code, 2=IMS user abend code, 3=DBCTL return code, 4=IMS fast path status code}, rc*

DFHDB8122I *applid* **CICS is about to disconnect from DBCTL for CICS shutdown.**

Explanation: CICS was connected to DBCTL when CICS termination commenced. CICS is going to issue a disconnect request.

System Action: CICS disconnection from DBCTL proceeds.

User Response: None. You can suppress this message with the SIT parameter, MSGLVL = 0.

Destination: Console

Module: DFHDBAT

XMEOUT Parameter: *applid*

DFHDB8123I *applid* **CICS disconnection from DBCTL for CICS shutdown has completed successfully.**

Explanation: CICS was connected to DBCTL when CICS termination commenced. CICS has successfully disconnected from DBCTL.

System Action: CICS shutdown continues.

User Response: None. You can suppress this message with the SIT parameter, MSGLVL = 0.

Destination: Console

Module: DFHDBAT

XMEOUT Parameter: *applid*

DFHDB8124 E *date time applid* **CICS disconnection from DBCTL for CICS shutdown has** *{failed, | timed out.}{System abend code | IMS user abend code | DBCTL return code | }rc*

Explanation: CICS was connected to DBCTL when CICS termination commenced. CICS disconnection from DBCTL failed for one of the reasons given in the message text.

System Action: CICS shutdown continues.

User Response: If the failure is due to a timed out condition, the message indicates that the time elapsed since CICS requested disconnection has reached the interval specified in the TIMEOUT parameter of the DRA interface without a response from DCBTL. The default interval is 60 seconds.

If failure is due to any other condition, a nonzero return code is given. If *rc* is:

- A **system abend code**, refer to the *OS/390 MVS System Codes* manual
- An **IMS user abend code**, refer to the *IMS Messages and Codes* manual
- A **DBCTL return code**, refer to the *IMS Messages and Codes* manual.

Destination: Console

Module: DFHDBAT

XMEOUT Parameters: *date, time, applid, {1=failed, , 2=timed out.}, {1=System abend code , 2=IMS user abend code , 3=DBCTL return code , 4= }, rc*

DFHDB8128 W *date time applid* **Error linking to the CICS-DBCTL user replaceable program DFHDBUEX from module** *modname***.**

Explanation: An attempt was made to invoke the user replaceable module, DFHDBUEX, but the module was not available.

System Action: CICS disregards the failure and continues execution.

User Response: Ensure that module DFHDBUEX is available.

Destination: CDBC

Modules: DFHDBCT, DFHDBDSC.

XMEOUT Parameters: *date, time, applid, modname*

DFHDB8129 E *date time applid* **Getmain failure in the Control Exit DFHDBCTX.**

Explanation: The MVS GETMAIN request failed in DFHDBCTX.

System Action: The CICS-DBCTL interface remains unchanged.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: This message indicates that there is a storage management problem. Check for other messages issued from the CICS region to the MVS console.

See the *CICS Problem Determination Guide* for guidance on dealing with storage problems.

Destination: CDBC

Module: DFHDBCTX

XMEOUT Parameters: *date, time, applid*

DFHDB8130 E *date time applid* **Disconnection has failed. DBCTL return code** *rc***.**

Explanation: The disconnection attempt failed in DBCTL.

System Action: CICS abandons the attempt to disconnect from DBCTL.

User Response: For further information about the DBCTL return code, refer to the *IMS Messages and Codes* manual.

Destination: CDBC

Module: DFHDBDSC

XMEOUT Parameters: *date, time, applid, rc*

DFHDB8131 E *date time applid* **The CICS-DBCTL control transaction has abnormally terminated with abend** *abcode***.**

Explanation: The CICS-DBCTL control transaction, CDBO, has failed.

System Action: The CICS/DBCTL interface is no longer usable.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: See the description of abend *abcode* for further guidance.

If you wish to use DBCTL from this CICS system again, you have to restart CICS.

Destination: CDBC

Module: DFHDBCT

XMEOUT Parameters: *date, time, applid, abcode*

DFHDB8199 E GETMAIN REQUEST FOR CICS-DBCTL CONTROL WORK ELEMENT (CWE) HAS FAILED.

Explanation: While notifying the CICS-DBCTL control transaction of changes to the state of the CICS-DBCTL interface a GETMAIN request for storage to hold a CICS-DBCTL control work element failed.

System Action: CICS uses control exit storage in DBCTL global block (DGB) to notify the control transaction of the error. The control transaction issues message DFHDB8129 to transient data destination CDBC. CICS abandons the attempt to change the state of the CICS-DBCTL interface.

User Response: This message indicates that there is a storage management problem. See any other messages issued from the CICS region to the MVS console for further guidance. You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHDBCTX

DFHDB8201I The key that you pressed has no meaning on this panel.

Explanation: The terminal operator has pressed the wrong key when using either

- CDBI, the CICS-DBCTL support inquiry transaction (Module DFHDBIQ), or
- CDBC, the CICS-DBCTL support menu transaction (Module DFHDBME).

System Action: CICS ignores the key pressed.

User Response: Check the allowable keys display which appears at the bottom of the screen and try a valid key.

Destination: TERMCDBC

Modules: DFHDBIQ, DFHDBME

DFHDB8202 Selection must be one of those shown above.

Explanation: The terminal operator has typed in an invalid option when using CDBC, the DBCTL Support Menu Transaction.

System Action: CICS rejects the invalid option.

User Response: Check the allowable options that appear on the screen and choose the appropriate one.

Destination: TERMCDBC

Module: DFHDBME

DFHDB8204 Invalid DRA startup table suffix supplied.

Explanation: The terminal operator has typed an invalid startup table suffix when using CDBC, the DBCTL Support Menu Transaction. The suffix must be one or two characters long consisting only of characters valid for a partitioned data set member name.

System Action: CICS rejects the invalid Startup Table Suffix.

User Response: Correct the startup table suffix and try again. You may need to check the suffix with your system programmer.

Destination: TERMCDBC

Module: DFHDBME

DFHDB8207D Connection to DBCTL requested. Press PF5 to confirm.

Explanation: The terminal operator has requested that CICS should be connected to DBCTL.

This message is not used when you are running the CDBC transaction at the console. If you are running the CDBC transaction on the console, the terminal PF5 key function (to confirm the request) is not used.

System Action: If the PF5 key is pressed, then CICS will connect to DBCTL. If any other key is pressed in response to this message, CICS will not connect to DBCTL.

User Response: Press the PF5 key if you wish to proceed with connecting CICS to DBCTL. If you do not wish the connection to proceed then press the PF3 key to terminate the transaction, or change the input data and press enter.

Destination: TERMCDBC

Module: DFHDBME

DFHDB8208D DBCTL immediate disconnection requested. Press PF5 to confirm.

Explanation: The terminal operator has requested that CICS should be disconnected from DBCTL immediately.

This message is not used when you are running the CDBC transaction at the console. If you are running the CDBC transaction on the console, the terminal PF5 key function (to confirm the request) is not used.

System Action: If the PF5 key is pressed, then all DL/I requests issued from this CICS system and currently being processed in DBCTL will complete and then CICS will disconnect from DBCTL. Tasks which have been using DBCTL but have not yet issued a CICS SYNCPOINT, either explicitly in the application or implicitly as a result of CICS task termination processing, will abnormally terminate with abend code ASP7. If any other key is pressed in response to this message, CICS will not disconnect from DBCTL.

User Response: Press the PF5 key if you wish to proceed with disconnecting CICS from DBCTL immediately. If you do not wish the disconnection to proceed then press the PF3 key to terminate the transaction, or change the input data and press enter.

Destination: TERMCDBC

Module: DFHDBME

DFHDB8209D DBCTL orderly disconnection requested. Press PF5 to confirm.

Explanation: The terminal operator has requested that CICS should be disconnected from DBCTL in an orderly manner.

This message is not used when you are running the CDBC transaction at the console. If you are running the CDBC transaction on the console, the terminal PF5 key function (to confirm the request) is not used.

System Action: If the PF5 key is pressed, then all tasks running in this CICS system that have already used DBCTL will complete and then CICS will disconnect from DBCTL. No new tasks running in this CICS system will be permitted to use DBCTL until CICS is connected to DBCTL again. If any other key is pressed in response to this message, CICS will not disconnect from DBCTL.

User Response: Press the PF5 key if you wish to proceed with disconnecting CICS from DBCTL in an orderly way. If you do not wish the disconnection to proceed then press the PF3 key to terminate the transaction, or change the input data and press enter.

Destination: TERMCDBC

Module: DFHDBME

DFHDB8210D Connection to DBCTL is proceeding. Check CDBC TD queue.

Explanation: The operator has pressed PF5 in response to message DFHDB8207 or the CDBC transaction was used from the MVS operator console to connect to DBCTL. CICS issues further messages concerning the connection to the CDBC transient data destination.

System Action: CICS proceeds with the connection attempt.

User Response: Press PF3 to terminate the transaction. Press PF2 to refresh the status information on the screen. If you are running the CDBC transaction on the console, the PF key functions are not available. Check the CDBC transient data destination for further messages.

Destination: TERMCDBC

Module: DFHDBME

DFHDB8211D Orderly disconnection from DBCTL is proceeding. Check CDBC TD queue.

Explanation: The operator has pressed PF5 in response to message DFHDB8209. CICS issues further messages concerning the disconnection to the CDBC transient data destination. Additionally, DBCTL issues some messages to the MVS console.

System Action: CICS proceeds with the disconnection attempt.

User Response: You are now able to use your terminal to perform other functions. You can check to see how the disconnection attempt is proceeding by using the refresh key to refresh the CICS-DBCTL status information on the screen. In case of problems, for example, CICS does not disconnect from DBCTL, check the CDBC transient data destination.

Destination: TERMCDBC

Module: DFHDBME

DFHDB8212D Immediate disconnection from DBCTL is proceeding. Check CDBC TD queue.

Explanation: The operator has pressed PF5 in response to message DFHDB8208. CICS issues further messages concerning the disconnection to the CDBC transient data destination. Additionally, DBCTL issues some messages.

System Action: CICS proceeds with the disconnection attempt.

User Response: You are now able to use your terminal to perform other functions. You can check to see how the disconnection attempt is proceeding by using the refresh key to refresh the CICS-DBCTL status information on the screen. In case of problems, for example, CICS does not disconnect from DBCTL, check the CDBC transient data destination.

Destination: TERMCDBC

Module: DFHDBME

DFHDB8213 Connection to DBCTL is already in progress. Request is ignored.

Explanation: The terminal operator has requested that CICS should connect to DBCTL and CICS is already trying to connect to DBCTL.

System Action: This connection request is ignored.

User Response: Use the PF2 key to refresh the CICS-DBCTL status information on the screen. If the “DBCTL connected and ready” message is not displayed, check the CDBC transient data destination to ensure that no errors have occurred while CICS was connecting to DBCTL. The operator should also check the MVS console as the message DFS0690 may have been issued, and be waiting for a reply.

Destination: TERMCDBC

Module: DFHDBME

DFHDB8214 Connection to DBCTL has already been done. Request is ignored.

Explanation: The terminal operator has requested that CICS should connect to DBCTL when CICS is already connected to DBCTL.

System Action: This connection request is ignored.

User Response: If you did not expect DBCTL to be connected to CICS then check the CDBC transient data destination to see when CICS did connect to DBCTL (message DFHDB8101).

Destination: TERMCDBC

Module: DFHDBME

DFHDB8215 Orderly disconnection from DBCTL in progress. Request is ignored.

Explanation: The terminal operator has either:

- Requested that CICS should disconnect from DBCTL when CICS is already disconnected from DBCTL, or
- Requested that CICS should connect to DBCTL when CICS is still disconnecting from DBCTL.

System Action: This disconnection request is ignored.

User Response: Use the refresh key to refresh the CICS-DBCTL status information on the screen. If the 'DBCTL not connected to CICS' message is not displayed, check the CDBC transient data destination to ensure that no errors have occurred while CICS was disconnecting from DBCTL.

Destination: TERMCDBC

Module: DFHDBME

DFHDB8216 Immediate disconnection from DBCTL in progress. Request is ignored.

Explanation: The terminal operator has either:

- Requested that CICS should disconnect from DBCTL while CICS is already disconnected from DBCTL, or
- Requested that CICS should connect to DBCTL while CICS is still disconnecting from DBCTL.

System Action: This disconnection request is ignored.

User Response: Use the PF2 key to refresh the CICS-DBCTL status information on the screen. If the 'DBCTL not connected to CICS' message is not displayed, check the CDBC transient data destination to ensure that no errors have occurred while CICS was disconnecting from DBCTL. If necessary, check the location of the CDBC destination with your system programmer.

Destination: TERMCDBC

Module: DFHDBME

DFHDB8217 DBCTL not currently connected to CICS. Request ignored.

Explanation: The terminal operator has requested that CICS should disconnect from DBCTL when CICS is not connected to DBCTL.

System Action: This disconnection request will be ignored.

User Response: If you did not expect DBCTL to be disconnected from CICS then check the CDBC transient data destination to see when and why CICS did disconnect from DBCTL (message DFHDB8102). If you do not know where the CDBC destination is, then please check with your system programmer.

Destination: TERMCDBC

Module: DFHDBME

DFHDB8218 CDBC - Please specify CONNECT or DISCONNECT.

Explanation: The terminal operator has used CDBC, the DBCTL support menu transaction, from the MVS operator console and has not selected an option.

System Action: No action is taken until the operator selects an option.

User Response: Select an option by typing in CDBC with a connect or disconnect option.

See the *CICS Supplied Transactions* for guidance on using CDBC.

Destination: TERMCDBC

Module: DFHDBME

DFHDB8219 DBCTL connection phase 1 in progress. Request is ignored.

Explanation: The first phase of connecting CICS to DBCTL has not completed yet, but the terminal operator has requested disconnection from DBCTL.

System Action: This disconnection request is ignored.

User Response: Try requesting disconnection again if you wish to proceed with disconnecting CICS from DBCTL. If you still cannot disconnect then check the CDBC transient data destination to see if any messages have been issued which indicate that there are problems with the connection attempt. Also check if any messages have been issued from DBCTL.

Destination: TERMCDBC

Module: DFHDBME

DFHDB8220 CICS-DBCTL connection is unusable. Request is ignored.

Explanation: A failure has occurred in the CICS-DBCTL interface.

System Action: Any requests to connect or disconnect from DBCTL is ignored.

User Response: Look for earlier messages identifying the source of the error by checking the CDBC transient data destination for any messages issued from CICS and also by checking for any messages issued from DBCTL.

Destination: TERMCDBC

Module: DFHDBME

DFHDB8221 Non zero return code *rc* from DFHDBAT. The request is ignored.

Explanation: The module DFHDBAT returns a nonzero return code in reply to a request issued to DBCTL. DFHDBAT is a task-related user exit and forms part of the CICS-DBCTL interface.

System Action: The request to DBCTL fails.

User Response: See message DFHDB8110 for further guidance.

Destination: TERMCDBC

Module: DFHDBME

DFHDB8222 Connection has failed. DBCTL return code is *rc*.

Explanation: DBCTL rejects a request from CICS to connect to it.

System Action: The connection does not proceed.

User Response: See the *IMS Messages and Codes* manual for an explanation of the DBCTL return code.

Destination: TERMCDBC

Module: DFHDBME

DFHDB8223 DRA startup table with suffix *xx* cannot be found. Request is ignored.

Explanation: A connection request has been issued and the startup table with the suffix specified cannot be found.

System Action: The connection does not proceed.

User Response: If you were using the DBCTL Support Menu transaction, CDBC, check if you have mistyped the suffix value.

Place the DRA startup table in a CICS STEPLIB library. For guidance on how to do this, see the *CICS IMS Database Control Guide*.

Destination: TERMCDBC

Module: DFHDBME

DFHDB8224 Module DFSPRRC0 cannot be found. Connection cannot be done.

Explanation: The DRA router module, DFSPRRC0, could not be found during an attempt to connect to DBCTL.

System Action: The connection does not proceed.

User Response: Place the module DFSPRRC0 in a CICS STEPLIB library. For guidance on how to do this, see the *CICS IMS Database Control Guide*.

Destination: TERMCDBC

Module: DFHDBME

DFHDB8225I *applid* The DBCTL ID is *xxxx*. The DRA Startup Table suffix is *xx*.

Explanation: This message is issued from module DFHDBME when CDBC, the DBCTL support menu transaction, is used from the MVS operator's console. This message is issued from module DFHDBIQ when CDBI, the DBCTL support inquiry transaction, is used from the MVS operator's console.

System Action: Processing continues.

User Response: None.

Destination: TERMCDBC

Modules: DFHDBME, DFHDBIQ

DFHDB8226 There was an error starting CDBT. Disconnection from DBCTL failed.

Explanation: An error has occurred, starting the disconnection transaction CDBT.

System Action: The disconnection attempt fails.

User Response: Look for earlier messages identifying the source of the error on the CDBC or CSMT transient data destinations. Check that the disconnection transaction CDBT is available. Check that the disconnection module DFHDBDSC is available.

Destination: TERMCDBC

Module: DFHDBME

DFHDB8227 There was an error linking to DFHDBCON. Connection to DBCTL failed.

Explanation: An attempt was made to connect to DBCTL but there was an error when linking to the connection module.

System Action: The connection attempt fails.

User Response: Look for earlier messages identifying the source of the error on the CDBC or CSMT transient data destinations. Check that module DFHDBCON is available.

Destination: TERMCDBC

Module: DFHDBME

DFHDB8228 The period (.) and subsequent characters have been removed.

Explanation: A comment was found at the end of the command. The CDBM transaction has removed the comment before sending the IMS command. Comments start with the period character (.) and continue to the end of the command.

System Action: The IMS command is sent without the comment.

User Response: None.

Destination: Terminal End User

Module: DFHDBMP

DFHDB8229 Spaces immediately after the CRC (/) have been removed.

Explanation: One or more spaces were found between the command recognition character (CRC) and the IMS verb. The default CRC is the oblique stroke (/). Spaces in this position would normally cause an IMS command to fail.

System Action: The CDBM transaction removes the spaces before sending the IMS command.

User Response: None. The operator should not add spaces between the CRC and the command.

Destination: Terminal End User

Module: DFHDBMP

DFHDB8230 The key that you pressed has no meaning on this panel.

Explanation: The terminal operator has pressed the wrong key.

System Action: CICS ignores the key pressed.

User Response: Check the display of key functions at the bottom of the screen and try a valid key.

Destination: Terminal End User

Module: DFHDBMP

DFHDB8231 FORCE IMS LOG END OF VOLUME was not set to 1 or 2.

Explanation: When entering a /DBDUMP or /DBRECOVER IMS command, the value in the FORCE IMS LOG END OF VOLUME field must be set to either 1 or 2. If you select 1, which is the default, the command has the NOFEOV option set; this does not force IMS End OF LOG for this command. To override this, select option 2; the NOFEOV option is not added.

System Action: The command is not sent.

User Response: Choose option 1 or 2 and press Enter.

Destination: Terminal End User

Module: DFHDBMP

DFHDB8232 Initial CRC (/) was not found. Reenter the IMS command.

Explanation: The command recognition character (CRC) is expected at the start of the command line. The default CRC is the oblique stroke (/).

System Action: The command is not sent.

User Response: Reenter the command with the CRC as the initial character.

Destination: Terminal End User

Module: DFHDBMP

DFHDB8233 A second CRC (/) was found. Reenter the IMS command.

Explanation: The command field can accept only one command. A command must start with the command recognition character (CRC). The default CRC is the oblique stroke (/). A second CRC within the command field is not allowed and must be removed before the command is sent to IMS.

System Action: The command is not sent.

User Response: Correct the command field by removing the second command or correcting the command syntax.

Destination: Terminal End User

Module: DFHDBMP

DFHDB8234 An invalid wildcard was found. Reenter the IMS command.

Explanation: More than one database name contains a wildcard. You can use the asterisk (*) to refer to any number of characters, or the plus sign (+) to refer to a single character. However, in a command you can use wildcard characters in one database name only. Wildcards in more than one database name are not permitted and should be removed.

System Action: The command is not sent.

User Response: Remove the invalid wildcard. Either change the first wildcard string to include the database names matched by the second wildcard string, or explicitly name the databases. Alternatively issue the command with the first wildcard string, retrieve the command by pressing F9 (Retrieve) and replace the first wildcard string with the second. If there are other database names within the command, you may need to remove them before sending the command.

Destination: Terminal End User

Module: DFHDBMP

DFHDB8235 Incorrect wildcard position. Reenter the IMS command.

Explanation: You can use a wildcard character in a command only to refer to database names. In this case a wildcard character, an asterisk (*) or plus sign (+), has been wrongly positioned in the command.

System Action: The command is not sent.

User Response: Correct the command by moving the wildcard to a position where it can refer to a database name or names.

Destination: Terminal End User

Module: DFHDBMP

DFHDB8236 Invalid IMS command verb. Reenter the IMS command.

Explanation: The command has been rejected by IMS because the verb is not recognized as a valid IMS operator command.

System Action: IMS rejects the command.

User Response: Correct the command and press Enter.

Destination: Terminal End User

Module: DFHDBMP

DFHDB8237 Command not allowed. Enter a valid IMS command.

Explanation: This command has been rejected by IMS because it cannot be executed using the AIB interface used by CICS.

Certain IMS operator commands such as /MODIFY are not valid with the CDBM transaction and must be issued via the MVS console.

System Action: IMS rejects the command.

User Response: Enter a valid IMS operator command.

Destination: Terminal End User

Module: DFHDBMP

DFHDB8238 Command not authorized. Enter a valid IMS command.

Explanation: The command has been rejected by IMS because the application or user does not have the necessary authorization to execute the command as entered.

System Action: IMS rejects the command.

User Response: Get the necessary authorization and reissue the command.

Destination: Terminal End User

Module: DFHDBMP

DFHDB8239 *aaaa* **call failed, AIB Return** *X'bbbb'* **Reason** *X'cccc'*

Explanation: The command has been rejected by IMS.

System Action: IMS rejects the command.

User Response: For the IMS function code, examine the AIB return code and reason code to determine the cause of the error. See the *IMS/ESA Application Programming: Database Manager* manual, SC26-8015 for an explanation of these codes.

Destination: Terminal End User

Module: DFHDBMP

DFHDB8240 DBCTL not connected. Run CDBC to connect.

Explanation: CICS was unsuccessful in its attempt to schedule the program specific block (PSB) DFHDBMP before issuing the IMS command.

System Action: The command is not sent.

User Response: Ensure that the DBCTL system is attached using the CICS supplied transaction CDBC.

Destination: Terminal End User

Module: DFHDBMP

DFHDB8241 PSB schedule unsuccessful. UIB return codes (*X'aaaa'*)

Explanation: CICS was unsuccessful in its attempt to schedule the program specification block (PSB) DFHDBMP before issuing the IMS command.

System Action: The command is not sent.

User Response: Ensure that PSB DFHDBMP is available to your system. See the summary of abends and return codes in the *CICS IMS Database Control Guide* for an explanation of the UIB return codes.

Destination: Terminal End User

Module: DFHDBMP

DFHDB8242 Command in progress. Issue /DISPLAY command for status.

Explanation: The command sent to IMS has not returned a segment but has sent an acknowledgment.

System Action: The IMS command is proceeding or has completed.

User Response: Issue a /DISPLAY command to determine the status. Press F9 (Retrieve) to retrieve the IMS command and change the command to a /DISPLAY command. Alternatively press F12 (Cancel) and enter a new command to display the status.

Destination: Terminal End User

Module: DFHDBMP

DFHDB8243 No match has been found for wildcard (*aaaaaaaa*).

Explanation: CICS was unsuccessful in its attempt to match any IMS databases with the wildcard supplied.

System Action: The command is not sent.

User Response: Check the names of the databases required and/or the wildcard supplied.

Destination: Terminal End User

Module: DFHDBMP

DFHDB8244 The requested command cannot be found in the command file.

Explanation: The group command entered does not exist in the command file.

System Action: No action

User Response: Check that the group name and command were typed correctly. A list of all available commands can be found using the browse function in the group command maintenance section of CDBM.

Destination: Terminal End User

Module: DFHDBMP

DFHDB8245 The command file, DFHDBFK, cannot be opened.

Explanation: CDBM failed to open the command file, DFHDBFK.

System Action: CDBM will not allow the user to enter the maintenance section.

User Response: Determine the cause of the open failure, and correct the error. Retry selecting the maintenance option from within CDBM.

Destination: Terminal End User

Module: DFHDBMP

DFHDB8246 An error has occurred reading the command file, DFHDBFK.

Explanation: An error occurred whilst CDBM was trying to read a record from the command file, DFHDBFK.

System Action: CDBM cannot read and execute the requested group command.

User Response: Determine the cause of the read failure, and correct the error. Retry issuing the group command again from within CDBM.

Destination: Terminal End User

Module: DFHDBMP

DFHDB8247 Record not found.

Explanation: There was no record in the group command file, DFHDBFK, for the specified group and command.

System Action: None.

User Response: Browse the group command file to locate the correct record. If this message was issued during a browse request, clear the group and name fields and retry the browse.

Destination: Terminal End User

Module: DFHDBMP

DFHDB8248 End of file reached during browse. Press enter to wrap.

Explanation: The end of the file was reached during a browse request on the group command file, DFHDBFK.

System Action: None.

User Response: Press return to browse the group command file from the beginning.

Destination: Terminal End User

Module: DFHDBMP

DFHDB8249 A record already exists for this command in this group.

Explanation: A record with a matching group and command names already exists in the group command file, DFHDBFK.

System Action: A new group command record is not added to the group command file.

User Response: Check the command name is correct. If it is, use a different group name.

Destination: Terminal End User

Module: DFHDBMP

DFHDB8250 A record must be read before updating.

Explanation: Before a record in the group command file, DFHDBFK, can be updated, it must first be read.

System Action: The group command record is not updated in the group command file.

User Response: Read the record and apply the changes before issuing an update request.

Destination: Terminal End User

Module: DFHDBMP

DFHDB8251 A record must be read before deletion.

Explanation: Before a record in the group command file, DFHDBFK, can be deleted, it must first be read.

System Action: The record is not deleted from the group command file.

User Response: Read the record before issuing a delete request.

Destination: Terminal End User

Module: DFHDBMP

DFHDB8252 Group and command must not be altered. Record not updated.

Explanation: The group and command fields must not be altered during a group command record update request.

System Action: The record is not updated in the group command file, DFHDBFK.

User Response: Add a new record with the required group and name fields. Delete the unwanted record.

Destination: Terminal End User

Module: DFHDBMP

DFHDB8253 Group and command must not be altered. Record not deleted.

Explanation: The group and command fields must not be altered during a group command record delete request.

System Action: The record is not deleted from the group command file, DFHDBFK.

User Response: Read the correct record before issuing a delete request.

Destination: Terminal End User

Module: DFHDBMP

DFHDB8254 Cannot update during browse. Read record to update.

Explanation: Before a record in the group command file, DFHDBFK, can be updated, it must first be read.

System Action: The group command record is not updated in the group command file.

User Response: Read the record and apply the changes before issuing an update request.

Destination: Terminal End User

Module: DFHDBMP

DFHDB8255 Cannot delete during browse. Read record to delete.

Explanation: Before a record in the group command file, DFHDBFK, can be deleted, it must first be read.

System Action: The record is not deleted from the group command file.

User Response: Read the record before issuing a delete request.

Destination: Terminal End User

Module: DFHDBMP

DFHDB8256 Both group and command must be specifed.

Explanation: The group and command fields must both be specified when adding a new group command record to the group command file, DFHDBFK.

System Action: A new group command record is not added to the group command file.

User Response: Enter data in both the group and command fields and issue the add request.

Destination: Terminal End User

Module: DFHDBMP

DFHDB8257 Function invalid. Must be A, B, D, R or U.

Explanation: An action requested was not valid.

System Action: None.

User Response: Enter a valid action letter.

Destination: Terminal End User

Module: DFHDBMP

DFHDB8258 File *{write | rewrite | delete | read | browse}* **failure. EIBRESP=***eibresp***, EIBRESP2=***eibresp2***.**

Explanation: An unexpected error has occurred during a file operation on the group command file, DFHDBFK.

System Action: The requested update to the group command file is not made.

User Response: Determine the reason for the failure using the EIBRESP and EIBRESP2 values. Fix the cause of the error and retry the operation.

Destination: Terminal End User

Module: DFHDBMP

DFHDB8259 Group command, *group command***,** *{added | updated | deleted | read | browsed}***.**

Explanation: The operation indicated has been performed on the group command file, DFHDBFK.

System Action: The group command file has been successfully modified.

User Response: None.

Destination: Terminal End User

Module: DFHDBMP

DFHDB8260 Record length exceeds screen size.

Explanation: The record read from the group command file, DFHDBFK, was found to contain more data than could be displayed on the screen.

System Action: None.

User Response: The data set associated with the group command file, DFHDBFK, has been created with a larger record size than allowed. Recreate the data set with the correct record size, and reload the data.

Destination: Terminal End User

Module: DFHDBMP

DFHDB8290I DBCTL not connected to CICS.

Explanation: This message is issued when CICS is not connected to DBCTL.

If you are using the CDBC transaction, the DBCTL Support Menu transaction, then the message is issued from module DFHDBME.

If you are using the CDBI transaction, the DBCTL Support Inquiry transaction, the message is issued from module DFHDBIQ.

System Action: Processing continues.

User Response: None.

Destination: TERMCDBC

Modules: DFHDBME, DFHDBIQ

DFHDB8291I DBCTL connect phase 1 in progress.

Explanation: CICS is in phase 1 of connecting to DBCTL and has not yet moved into phase 2 of connection processing.

If you are using the CDBC transaction, the DBCTL Support Menu transaction, this message is issued from module DFHDBME.

If you are using the CDBI transaction, the DBCTL Support Inquiry transaction, this message is issued from module DFHDBIQ.

System Action: Processing continues.

User Response: Press the PF2 key to refresh the status information on the screen. Check the CDBC transient data message destination for any other messages issued from CICS concerning the CICS-DBCTL interface.

Destination: TERMCDBC

Modules: DFHDBME, DFHDBIQ

DFHDB8292I DBCTL connect phase 2 in progress.

Explanation: CICS is in phase 2 of connecting to DBCTL. (That is, phase 1 of connection has been completed and CICS has not yet heard from DBCTL that phase 2 of connection has been completed.)

If you are using the CDBC transaction, the DBCTL Support Menu transaction, this message is issued from module DFHDBME.

If you are using the CDBI transaction, the DBCTL Support Inquiry transaction, then this message is issued from module DFHDBIQ.

System Action: Processing continues.

User Response: Press the PF2 key to refresh the status information on the screen.

Check the CDBC transient data message destination for any other messages issued from CICS concerning the CICS-DBCTL interface. Check that the DBCTL system you are trying to connect to has been initialized.

Check the MVS operator console for any IMS console messages that need a reply (for example, message DFS0690).

Destination: TERMCDBC

Modules: DFHDBME, DFHDBIQ

DFHDB8293I DBCTL connected and ready.

Explanation: CICS is connected to DBCTL.

If you are using the CDBC transaction, the DBCTL Support Menu transaction, the message is issued from module DFHDBME.

If you are using the CDBI transaction, the DBCTL Support Inquiry transaction, the message is issued from module DFHDBIQ.

System Action: Processing continues.

User Response: Press the PF3 key to terminate the transaction.

Press the PF2 key to refresh the status information on the screen.

Check the CDBC transient data message destination for any other messages issued from CICS concerning the CICS-DBCTL interface.

Destination: TERMCDBC

Modules: DFHDBME, DFHDBIQ

DFHDB8294I DBCTL orderly disconnect in progress.

Explanation: CICS is disconnecting from DBCTL in an orderly manner. (That is, all tasks using DBCTL from this CICS system will run to termination before CICS is disconnected from DBCTL.)

If you are using the CDBC transaction, the DBCTL Support Menu transaction, the message is issued from module DFHDBME.

If you are using the CDBI transaction, the DBCTL Support Inquiry transaction, the message is issued from module DFHDBIQ.

System Action: Processing continues.

User Response: Press the PF3 key to terminate the transaction.

Press the PF2 key to refresh the status information on the screen.

Check the CDBC transient data message destination for any other messages issued from CICS concerning the CICS-DBCTL interface.

Destination: TERMCDBC

Modules: DFHDBME, DFHDBIQ

DFHDB8295I DBCTL immediate disconnect in progress.

Explanation: CICS is disconnecting from DBCTL immediately. (That is, all DL/I requests issued from this CICS system and currently being processed by DBCTL will complete before CICS is disconnected from DBCTL.)

If you are using the CDBC transaction, the DBCTL Support Menu transaction, this message is issued from module DFHDBME.

If you are using the CDBI transaction, the DBCTL Support Inquiry transaction, this message is issued from module DFHDBIQ.

If there is an IMS console message DFS0690 waiting for an operator reply, this message continues to be displayed until the operator replies to the IMS console message.

System Action: Processing continues.

User Response: Press the PF3 key to terminate the transaction.

Press the PF2 key to refresh the status information on the screen.

Check the CDBC transient data message destination for any other messages issued from CICS concerning the CICS-DBCTL interface.

Destination: TERMCDBC

Modules: DFHDBME, DFHDBIQ

DFHDB8296I DBCTL cannot be connected to CICS.

Explanation: A failure has occurred in the CICS-DBCTL interface.

If you are using the CDBC transaction, the DBCTL Support Menu transaction, the message is issued from module DFHDBME.

If you are using the CDBI transaction, the DBCTL Support Inquiry transaction, the message is issued from module DFHDBIQ.

System Action: Processing continues.

User Response: Look for earlier messages identifying the source of the error by checking the CDBC transient data destination and checking any messages issued from DBCTL.

Destination: TERMCDBC

Modules: DFHDBME, DFHDBIQ

DFHDB8297 *applid* **CICS/DBCTL CONNECTION BEING ATTEMPTED**

Explanation: This message only occurs when there is no recoverable service table (RST). CICS has attempted to connect to DBCTL but has failed on one or more occasions. DBCTL may not be running, or it may be restarting after a DBCTL abend.

System Action: CICS continues to attempt to connect every 5 seconds. This message is reissued every minute for ten minutes or until connection is made.

If the connection is not made in ten minutes, CICS will stop attempting to connect and IMS message DFS0690 is issued. If the user replies WAIT to the IMS DFS0690 message, then the IMS DRA will take over responsibility for retrying the connection attempt. The TIMER parameter in the DRA startup table specifies how often the DRA will retry the connect to DBCTL.

User Response: Check why DBCTL is not running. You can cancel the connection attempts using the CDBC transaction by issuing a disconnect request.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHDXAX

DFHDB8298 *applid* **An attempt has been made to connect to DBCTL via PLT phase 1. The request has been rejected.**

Explanation: The attempt to connect to DBCTL has been unsuccessful.

You are using a startup PLT and the request for DFHDBCON has been issued in PLT phase 1 processing. It can only be issued from PLT phase 2.

System Action: Processing continues.

User Response: Look at the source for your startup PLT. Ensure the DBCTL startup program (DFHDBCON) is after the statement specifying DFHDELIM.

Destination: Console

Modules: DFHDBME, DFHDBCON

XMEOUT Parameter: *applid*

DFHDDxxxx messages

DFHDD0001 *applid* **An abend (code** *aaa/bbbb***) has occurred at offset** *X'offset'* **in module** *modname***.**

Explanation: An unexpected program check or abend occurred with abend code *aaa/bbbb*.

The program status word (PSW) at the time of the program check or abend indicated that CICS was executing at offset X'*offset*' in module *modname*. This may have been caused by corruption of CICS code or control blocks.

System Action: A system dump is taken and the system attempts to continue operation unless otherwise directed by entries in the dump table.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Investigate the cause of the program check or abend using the system dump and any previously output diagnostic information provided by CICS, the access methods, or the operating system.

If you cannot resolve the problem, you will need further assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Modules: DFHDDDM, DFHDDDI, DFHDDLO, DFHDDBR

XMEOUT Parameters: *applid, aaa/bbbb, X'offset', modname*

DFHDD0002 *applid* **A severe error (code** *X'code'***) has occurred in module** *modname***.**

Explanation: Directory Domain has received an unexpected error response from some other part of CICS. The operation requested by Directory Domain is described by code X'*code*'.

For further information about CICS exception trace entries, refer to the *CICS Problem Determination Guide*.

System Action: A system dump is taken and the system attempts to continue operation unless specifically inhibited by dump table entries.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Investigate the cause of the problem as follows:

1. Determine if the problem can be explained by any previous messages output from some other part of CICS.
2. Examine the symptom string.
3. Examine the dump.

If you cannot resolve the problem, you will need further assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Modules: DFHDDDM, DFHDDDI, DFHDDLO, DFHDDBR

XMEOUT Parameters: *applid, X'code', modname*

DFHDHxxxx messages

DFHDH0001 *applid* **An abend (code** *aaa/bbbb***) has occurred at offset** *X'offset'* **in module** *modname***.**

Explanation: An abnormal end (abend) or program check has occurred in module *modname*. This implies that there may be an error in the CICS code. Alternatively, unexpected data has been input, or storage has been overwritten.

The code *aaa/bbbb* is a 3-digit hexadecimal MVS code (if applicable), followed by a 4-digit alphanumeric CICS code. The MVS code is a system completion code (for example, 0C1 or D37). If an MVS code is not applicable, this field is filled with three hyphens. The CICS code is an abend code or a number referring to a CICS message (for example, AKEA is a CICS abend code; 1310 refers to message DFHTS1310).

System Action: An exception entry is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS continues unless you have specified in the dump table that CICS should terminate. If appropriate, an error return code is sent to the caller of this domain. In this case CICS could be terminated by the caller (for example, the domain manager, DFHDMDM). A message is issued to this effect.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Notify the system programmer. If CICS is still running, it is necessary to decide whether to terminate CICS.

Look up the MVS code, if there is one, in the relevant MVS codes manual.

Next, look up the CICS alphanumeric code. This tells you, for example, whether the error was a program check, an abend, or a runaway, and may give you some guidance concerning user response.

If module *modname* is not crucial to the running of your CICS system, you may decide to continue to run and bring CICS down at a convenient time to resolve the problem.
If you cannot run without the full use of module *modname* you should bring CICS down in a controlled shutdown.

You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Modules: DFHDHDH, DFHDHDM, DFHDHSL

XMEOUT Parameters: *applid, aaa/bbbb, X'offset', modname*

DFHDH0002 *applid* **A severe error (code** *X'code'***) has occurred in module** *modname***.**

Explanation: An error has been detected in module *modname*. The code X'*code*' is the exception trace point ID which uniquely identifies what the error is and where the error was detected.

System Action: An exception entry (code X'*code*' in the message) is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS continues unless you have specified in the dump table that CICS should terminate. If appropriate, an error return code is sent to the caller of this domain. In this case, CICS could be terminated by the caller (for example, the domain manager, DFHDMDM). A message is issued to this effect.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: This indicates a possible error in CICS code. The severity of its impact depends on the importance of the function being executed at the time of the error.

CICS may not have been terminated. If the message occurs once and module *modname* is not crucial to the running of your CICS system, you may decide to continue to run and bring CICS down at a convenient time to resolve the problem.

If the message recurs or if you cannot run without the full use of module *modname*, you should bring CICS down in a controlled shutdown.

You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Modules: DFHDHDH, DFHDHDM, DFHDHSL

XMEOUT Parameters: *applid, X'code', modname*

DFHDH0004 *applid* **A possible loop has been detected at offset** *X'offset'* **in module** *modname***.**

Explanation: A CICS function is taking more time to process than CICS expects. A possible loop has been detected in module *modname* at offset X'*offset*'. This is the offset of the instruction which was executing at the time the error was detected.

System Action: An exception entry is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS continues unless you have specified in the dump table that CICS should terminate. If appropriate, an error return code is sent to the caller of this domain. In this case CICS could be terminated by the caller (for example, the domain manager, DFHDMDM). A message is issued to this effect.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Notify the system programmer. If CICS has not been terminated, it is necessary to decide whether the problem is serious enough to bring CICS down.

Since some CICS functions can use a lot of processor time, this message may have been caused by a long-running function, so there may not be an error here. Usually, CICS purges a CICS function which exceeds the runaway task time interval which you have specified in the ICVR system initialization parameter, which is measured in milliseconds. This means that module *modname* in the message is terminated and CICS continues.

But if you have specified ICVR=0 you consider that module *modname* is looping, you must terminate CICS in order to terminate the runaway function.

If CICS has terminated module *modname*, and you consider that it was not a runaway, you should increase the ICVR system initialization parameter. You can change the RUNAWAY time interval temporarily using the CEMT transaction.

If raising the ICVR time does not solve the problem, you will need further assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Module: DFHDMTM

XMEOUT Parameters: *applid, X'offset', modname*

DFHDH0100I *applid* **Document domain initialization has started.**

Explanation: This is an informational message indicating that document domain initialization has started.

System Action: System initialization continues.

User Response: None. The message can be suppressed with the system initialization parameter MSGLVL=0.

Destination: Console

Module: DFHDHDM

XMEOUT Parameter: *applid*

DFHDH0101I *applid* **Document domain initialization has ended.**

Explanation: This is an informational message indicating that document domain initialization has completed successfully.

System Action: System initialization continues.

User Response: None. The message can be suppressed with the system initialization parameter MSGLVL=0.

Destination: Console

Module: DFHDHDM

XMEOUT Parameter: *applid*

DFHDH0105 *date time applid* **Document template definition** *doctemplate* **has been added as** *{PDS-MEMBER | FILE | PROGRAM | TSQUEUE | TDQUEUE | EXITPGM}***(***resourcename***) with template name** *templatename***.**

Explanation: The document template definition *doctemplate* has been successfully added to the Document Handler domain. The template definition maps on to one of the following resources named *resourcename*:

PDS-MEMBER A member of a partitioned dataset
FILE A CICS file
PROGRAM A CICS program
TSQUEUE A CICS Temporary Storage queue
TDQUEUE A CICS Transient Data queue
EXITPGM A User-replaceable program that reads in a template of its own specification.

The document template is assigned a template name of *templatename*.

System Action: The definition is cataloged in the CICS Global Catalog and will be restored on a CICS warm start.

User Response: Application programs can now use the template using the name *templatename*.

Destination: CSDH

Module: DFHDHTM

XMEOUT Parameters: *date, time, applid, doctemplate, {1=PDS-MEMBER, 2=FILE, 3=PROGRAM, 4=TSQUEUE, 5=TDQUEUE, 6=EXITPGM}, resourcename, templatename*

DFHDH0106 *date time applid* **Document template definition** *doctemplate* **has been deleted.**

Explanation: The document template definition *doctemplate* has been successfully deleted from the Document Handler domain.

System Action: The definition is removed from the CICS Global Catalog and will be not be restored on a CICS warm start.

User Response: Application programs can no longer use the template using the name *templatename*.

Destination: CSDH

Module: DFHDHTM

XMEOUT Parameters: *date, time, applid, doctemplate*

DFHDMxxxx messages

DFHDM0001 *applid* **An abend (code** *aaa/bbbb***) has occurred at offset** *X'offset'* **in module** *modname***.**

Explanation: An abnormal end (abend) or program check has occurred in the module *modname*. This implies that there may be an error in CICS code.

Alternatively,

- Unexpected data has been input, or
- Storage has been overwritten.

The code *aaa/bbbb* is a three digit hexadecimal MVS code (if applicable), followed by a four digit alphanumeric CICS code. The MVS code is a system completion code (for example, 0C1 or D37). If an MVS code is not applicable, this field is filled with three hyphens. The CICS code is an abend code or a number referring to a CICS message (for example, AKEA is a CICS abend code; 1310 refers to message DFHTS1310).

System Action: An exception entry is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

Either CICS will continue unless you have specified in the dump table that CICS should terminate. This action will be taken by DFHDMIQ.

Or this is a critical error and CICS is terminated, even if you have specified in the dump table that CICS should not terminate. This action is taken by DFHDMDM, DFHDMDS and DFHDMWQ.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Look up the MVS code, if there is one, in the relevant MVS codes manual which is detailed in the book list in the front of this manual.

Then look up the CICS alphanumeric code in this manual. This tells you, for example, whether the error was a program check, an abend, a runaway or something else and may give you some guidance concerning user response.

You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Modules: DFHDMDM, DFHDMEN, DFHDMENF, DFHDMIQ, DFHDMDS, DFHDMWQ

XMEOUT Parameters: *applid, aaa/bbbb, X'offset', modname*

DFHDM0002 *applid* **A severe error (code** *X'code'***) has occurred in module** *modname***.**

Explanation: An error has been detected in module *modname*. The code *code* is the exception trace point ID which uniquely identifies what the error is and where the error was detected.

For further information about CICS exception trace entries, refer to the *CICS Problem Determination Guide*.

System Action: An exception entry (code *code* in the message) is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

Either CICS will continue unless you have specified in the dump table that CICS should terminate. This action will be taken by DFHDMIQ.

Or, this is a critical error and CICS is terminated, even if you have specified in the dump table that CICS should not terminate. This action is taken by DFHDMDM, DFHDMDS and DFHDMWQ.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: This indicates a possible error in the CICS code. You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Modules: DFHDMDM, DFHDMEN, DFHDMENF, DFHDMIQ, DFHDMDS, DFHDMWQ

XMEOUT Parameters: *applid, X'code', modname*

DFHDM0003 *applid* **Insufficient storage to satisfy GETMAIN (code** *X'code***) in module** *modname***.**

Explanation: A CICS GETMAIN was issued by module *modname*, but there was insufficient storage available to satisfy the request.

The code X'*code*' is the exception trace point id which uniquely identifies the place where the error was detected.

This error has occurred above the 16Mb line.

System Action: An exception entry is made in the trace table (code *code* in the message). A system dump is taken, unless you have specifically suppressed dumps in the dump table.

Either CICS continues unless you have specified in the dump table that CICS should terminate. This action is taken by DFHDMIQ.

Or this is a critical error and CICS is terminated, even if you have specified in the dump table that CICS should not terminate. This action is taken by DFHDMDM and DFHDMWQ.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Try increasing the size limits of the DSAs or EDSAs. See the *CICS System Definition Guide* or the *CICS Performance Guide* for further information on CICS storage.

Destination: Console

Modules: DFHDMDM, DFHDMIQ, DFHDMWQ

XMEOUT Parameters: *applid, X'code', modname*

DFHDM0004 *applid* **A possible loop has been detected at offset** *X'offset'* **in module** *modname***.**

Explanation: A CICS function is taking more time to process than CICS expects. A possible loop has been detected in module *modname* at X'*offset*'. This is the offset of the instruction which was executing at the time the error was detected.

System Action: An exception entry is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

Either CICS continues unless you have specified in the dump table that CICS should terminate. This action is taken by DFHDMIQ.

Or this is a critical error and CICS is terminated, even if you have specified in the dump table that CICS should not terminate. This action is taken by DFHDMDM, DFHDMDS and DFHDMWQ.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: If CICS has not been terminated, it is necessary to decide whether the problem is serious enough to bring CICS down.

Since some CICS functions can use a lot of CPU time, this message may have been caused by a long-running function. So there may not be an error here. Usually, CICS purges a CICS function which exceeds the runaway task time interval which you have specified in the SIT (this is the ICVR which is measured in milliseconds). This means that the module *modname* is terminated and CICS continues.

But if you have declared ICVR=0 in the SIT and you consider that module *modname* has gone into a loop, you have to terminate CICS in order to terminate the runaway function.

If CICS has terminated module *modname* and you consider that it was not a runaway, you should increase the ICVR time interval in the SIT. You have to bring CICS down at a suitable time to do this permanently. But you can change the ICVR time interval temporarily online, using the CEMT transaction.

If raising the ICVR time does not solve the problem, you will need further assistance from IBM to resolve the problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Modules: DFHDMDM, DFHDMEN, DFHDMENF, DFHDMIQ, DFHDMDS, DFHDMWQ

XMEOUT Parameters: *applid, X'offset', modname*

DFHDM0005 *applid* **A hardware error has occurred (module** *modname***, code** *X'code'***). The Time-of-Day clock is invalid.**

Explanation: A hardware error has occurred during the running of module *modname*. The MVS Store Clock facility is the timing mechanism for the operating system.

The code *code* is the exception trace point id which uniquely identifies the place where the error was detected.

System Action: An exception entry (code *code* in the message) is made in the trace table. A dump is taken, unless you have specifically suppressed dumps in the dump table.

This is a critical error and CICS is terminated, even if you have specified in the dump table that CICS should not terminate.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: This is in all probability a hardware error and you should in the first instance investigate the MVS Store Clock and find out whether it is working properly. If this is the cause, you should take the appropriate action to have it repaired or replaced.

In the unlikely event that this is not a hardware problem, you need further assistance from IBM to resolve the problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Modules: DFHDMDM, DFHDMWQ, DFHDMDS

XMEOUT Parameters: *applid, modname, X'code'*

DFHDM0101I *applid* **CICS is initializing.**

Explanation: This message is for information only.

CICS initialization has started. The domain (DM) manager is about to attach an initialization task for each domain defined in the local CICS catalog, DFHLCD.

System Action: Processing continues.

User Response: None. You can suppress this message with the system initialization parameter, MSGLVL=0.

Destination: Console

Module: DFHDMDM

XMEOUT Parameter: *applid*

DFHDM0102I *applid* **CICS is quiescing.**

Explanation: This message is for information only.

The controlled shutdown of CICS has started. The domain (DM) manager is about to attach a quiesce task for each CICS component.

System Action: Processing continues.

User Response: None. You can suppress this message with the SIT parameter, MSGLVL=0.

Destination: Console

Module: DFHDMDM

XMEOUT Parameter: *applid*

DFHDM0103 *applid* **Unsuccessful quiesce of** *domain* **domain. CICS will terminate.**

Explanation: A domain has failed to quiesce.

System Action: CICS terminates. An exception trace and a dump are issued by the domain in error.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Module: DFHDMDS

XMEOUT Parameters: *applid, domain*

DFHDM0104 *applid* **Unsuccessful load of program** *domain***. CICS will terminate.**

Explanation: The domain (DM) manager has called the loader to load a program for an initialization task but the load has failed. The module is missing from the DFHRPL concatenation, possibly because the SDFHLOAD is missing. Alternatively, if the module name given in the message is not a legitimate CICS module, the CICS catalog could be corrupted.

System Action: CICS terminates.

An exception trace is issued by the domain manager. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Module: DFHDMDM

XMEOUT Parameters: *applid, domain*

DFHDM0105 *applid* **Unsuccessful initialization of** *domain* **domain. CICS will terminate.**

Explanation: A domain has failed to initialize.

System Action: CICS terminates.

Diagnostics are issued by the domain in error. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Review the diagnostics and take remedial action for any installation-related problems. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Module: DFHDMDS

XMEOUT Parameters: *applid, domain*

DFHDM0106 *applid* **The Domain Manager records on the CICS Catalog may have been corrupted.**

Explanation: A problem was detected when calling the CICS catalog to browse the domain (DM) manager records. For example, the domain manager records may not be present.

This message may follow message DFHDM0002.

System Action: This is a critical error and CICS terminates, even if you have specified in the dump table that CICS should not terminate.

A system dump is taken, unless you have specifically suppressed dumps in the dump table.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Try reinitializing the local CICS catalog, DFHLCD, using DFHCCUTL, and perform an initial start of CICS.

If this does not solve the problem, you will need further assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Module: DFHDMDM

XMEOUT Parameter: *applid*

DFHDSxxxx messages.

DFHDS0001 *applid* **An abend (code** *aaa/bbbb***) has occurred at offset** *X'offset'* **in module** *modname***.**

Explanation: An abnormal end (abend) or program check has occurred in module *modname*. This implies that there may be an error in CICS code. Alternatively, unexpected data has been input, or storage has been overwritten.

The code *aaa/bbbb* is a three digit hexadecimal MVS code (if applicable), followed by a four digit alphanumeric CICS code. The MVS code is a system completion code (for example, 0C1 or D37). If an MVS code is not applicable, this field is filled with three hyphens. The CICS code is an abend code or a number referring to a CICS message (for example, AKEA is a CICS abend code; 1310 refers to message DFHTS1310).

System Action: An exception entry is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table. CICS continues unless you have specified in the dump table that CICS should terminate.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: If CICS is still running, it is necessary to decide whether to terminate CICS.

1. Look up the MVS code, if there is one, in the relevant MVS codes manual which is detailed in the book list in the front of this manual.
2. Next, look up the CICS alphanumeric code in this manual. This tells you, for example, whether the error was a program check, an abend, or a runaway, and may give you some guidance concerning user response.
3. If module *modname* is not crucial to the running of your CICS system, you may decide to continue to run and bring CICS down at a convenient time to resolve the problem.
4. If you cannot run without the full use of module *modname* you should bring CICS down in a controlled shutdown.

You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Modules: DFHDSAT, DFHDSBR, DFHDSDM, DFHDSDS2, DFHDSDS3, DFHDSDS4, DFHDSIT, DFHDSKE, DFHDSSM, DFHDSSR, DFHDSST, DFHDSTCB, DFHDSUE

XMEOUT Parameters: *applid, aaa/bbbb, X'offset', modname*

DFHDS0002 *applid* **A severe error (code** *X'code'***) has occurred in module** *modname***.**

Explanation: An error has been detected in module *modname*. The code X'*code*' is the exception trace point id which uniquely identifies what the error is and where the error was detected. For further information about CICS exception trace entries, see the *CICS Problem Determination Guide*.

System Action: An exception entry (code *code* in the message) is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

Either CICS will continue unless you have specified in the dump table that CICS should terminate.

If appropriate, an error return code is sent to the caller of this domain. In this case, CICS could be terminated by the caller (for example, the domain manager, DFHDMDM). A message will be issued to this effect.

Or this is a critical error and CICS is terminated, even if you have specified in the dump table that CICS should not terminate.

The system action taken depends on the context.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Inform the system programmer. This indicates a possible error in CICS code. The severity of its impact will depend on the importance of the function being executed at the time of the error.

CICS may not have been terminated.

If the message occurs once and module *modname* is not crucial to the running of your CICS system, you may decide to continue to run and bring CICS down at a convenient time to resolve the problem.

If the message recurs or if you cannot run without the full use of module *modname*, you should bring CICS down in a controlled shutdown.

You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Modules: DFHDSAT, DFHDSBR, DFHDSDM, DFHDSDS2, DFHDSDS3, DFHDSDS4, DFHDSIT, DFHDSKE, DFHDSSM, DFHDSSR, DFHDSST, DFHDSTCB, DFHDSUE

XMEOUT Parameters: *applid, X'code', modname*

DFHDS0003 *applid* **Insufficient storage (code** *X'code'***) in module** *modname***.**

Explanation: A CICS GETMAIN was issued by module *modname* but there was insufficient storage available to satisfy the request.

The code X'*code*' is the exception trace point id which uniquely identifies the place where the error was detected. This error has occurred above the 16M line.

System Action: An exception entry is made in the trace table (code *code* in the message). A system dump is taken, unless you have specifically suppressed dumps in the dump table. CICS will continue unless you have specified in the dump table that CICS should terminate.

If appropriate, an error return code is sent to the caller of this domain. In this case, CICS could be terminated by the caller (for example, the domain manager, DFHDMDM). A message will be issued to this effect.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Inform the system programmer. If CICS has been terminated by another module, look out for the relevant termination messages (from, for example, the domain manager), and look up the user response suggested for these messages.

If CICS is still running, the problem may be a temporary one which will right itself if more storage becomes available. If you can manage without module *modname*, you may decide to continue and bring CICS down at a convenient time to resolve the problem. If the message recurs or if you cannot run without the full use of all CICS modules, you should bring CICS down in a controlled shutdown.

Try increasing the overall size limits of the DSAs or EDSAs. If CICS is not already terminated, you will need to bring CICS down to do this. See the *CICS System Definition Guide* or the *CICS Performance Guide* for more information on CICS storage.

You may need further assistance from IBM to fully resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Module: DFHDSBR

XMEOUT Parameters: *applid, X'code', modname*

DFHDS0004 *applid* **A possible loop has been detected at offset** *X'offset'* **in module** *modname***.**

Explanation: A CICS function is taking more time to process than CICS expects. A possible loop has been detected in module *modname* at offset X'*offset*'. This is the offset of the instruction which was executing at the time the error was detected.

System Action: An exception entry is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table. CICS will continue unless you have specified in the dump table that CICS should terminate. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Inform the system programmer. If CICS has not been terminated, it will be necessary to decide whether the problem is serious enough to bring CICS down.

Since some CICS functions can use a lot of CPU time, this message may have been caused by a long-running function. So there may not be an error here. Usually, CICS will purge a CICS function which exceeds the runaway task time interval which you have specified in the SIT (this is the ICVR which is measured in milliseconds). This means that module *module* will be terminated and CICS will continue.

But if you have declared ICVR=0 in the SIT and you consider that module *modname* has gone into a loop, you will have to terminate CICS in order to terminate the runaway function.

If CICS has terminated module *modname*, and you consider that it was not a runaway, you should increase the ICVR time interval in the SIT. You will have to bring CICS down at a suitable time to do this permanently. But you can change the ICVR time interval temporarily online, using the CEMT transaction.

If raising the ICVR time does not solve the problem, you will need further assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Modules: DFHDSAT, DFHDSBR, DFHDSDM, DFHDSDS2, DFHDSDS3, DFHDSDS4, DFHDSIT, DFHDSKE, DFHDSSM, DFHDSSR, DFHDSST, DFHDSTCB, DFHDSUE

XMEOUT Parameters: *applid, X'offset', modname*

DFHDS0005 *applid* **A hardware error has occurred (code** *X'code'***, module** *modname***). The Time-of-Day clock is invalid.**

Explanation: A hardware error has occurred during the running of module *module*. The MVS Store Clock facility is the timing mechanism for the operating system.

The code X'*code*' is the exception trace point ID which uniquely identifies the place where the error was detected.

System Action: An exception entry (code *code* in the message) is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table. This is a critical error and CICS is terminated, even if you have specified in the dump table that CICS should not terminate.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Inform the system programmer. This is in all probability a hardware error and you should in the first instance investigate the MVS Store Clock and find out whether it is working properly. If this is the cause, you should take the appropriate action to have it repaired or replaced.

In the unlikely event that this is not a hardware problem, you will need further assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Module: DFHDSTCB

XMEOUT Parameters: *applid, X'code', modname*

DFHDS0006 *applid* **Insufficient storage to satisfy GETMAIN (code** *X'code*'**) in module** *modname*. **MVS code** *mvscode*.

Explanation: An MVS GETMAIN was issued by module *modname* but there was insufficient storage available to satisfy the request.

The code *code* is the exception trace point ID which uniquely identifies the place where the error was detected.

This error may occur either above or below the 16M line. This depends on context.

The code *mvscode* is the MVS GETMAIN return code.

System Action: An exception entry is made in the trace table (code *code* in the message). A system dump is taken, unless you have specifically suppressed dumps in the dump table.

Either CICS will continue unless you have specified in the dump table that CICS should terminate.

If appropriate, an error return code is sent to the caller of this domain. In this case, CICS could be terminated by the caller (for example, the domain manager, DFHDMDM). A message will be issued to this effect.

Or this is a critical error and CICS is terminated, even if you have specified in the dump table that CICS should not terminate.

The system action depends on the context.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Inform the system programmer. If CICS has been terminated by another module, look out for the relevant termination messages (from, for example, the domain manager), and look up the user response suggested for these messages.

If CICS is still running, the problem may be a temporary one which will right itself if more storage becomes available. If you can manage without module *modname*, you may decide to continue and bring CICS down at a convenient time to resolve the problem. If the message recurs or if you cannot run without the full use of all CICS modules, you should bring CICS down in a controlled shutdown.

You can get diagnostic information about the MVS return code by consulting the relevant MVS codes manual which is listed in the book list at the front of this book.

Try decreasing the overall size limits of the DSAs or EDSAs. Or, try increasing the size of the whole region, if it is not already at maximum size. If CICS is not already terminated, you will need to bring CICS down to do this. See the *CICS System Definition Guide* or the *CICS Performance Guide* for more information on CICS storage.

You may need further assistance from IBM to fully resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Modules: DFHDSAT, DFHDSDM, DFHDSDS2, DFHDSSR

XMEOUT Parameters: *applid, X'code', modname, mvscode*

DFHDS0101 *applid* **Dispatcher cannot enable the CICS post exit.**

Explanation: The dispatcher has been unable to gain authorization to enable the CICS post exit. This is probably because the CICS SVC number has been defined incorrectly in the SIT.

System Action: An exception entry is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

This is a critical error and CICS is terminated, even if you have specified in the dump table that CICS should not terminate.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Check to see whether the CICS SVC number has been defined correctly in the SIT and the SIT overrides.

Check that the SVC and other code has been correctly installed as described in the *CICS Transaction Server for OS/390 Installation Guide*. In particular, ensure that the CICS post-exit stub (DFHDSPEX) is in the LPA.

Destination: Console

Module: DFHDSDM

XMEOUT Parameter: *applid*

DFHDUxxxx messages

DFHDU0001 *applid* **An abend (code** *aaa/bbbb*) **has occurred at offset** *X'offset'* **in module** *modname*.

Explanation: An abnormal end (abend) or program check has occurred in module *modname*. This implies that there may be an error in CICS code. Alternatively, unexpected data has been input, or storage has been overwritten.

The code *aaa/bbbb* is a three digit hexadecimal MVS code (if applicable), followed by a four digit alphanumeric CICS code. The MVS code is a system completion code (for example, 0C1 or D37). If an MVS code is not applicable, this field is filled with three hyphens. The CICS code is an abend code or a number referring to a CICS message (for example, AKEA is a CICS abend code; 1310 refers to message DFHTS1310).

System Action: An exception entry is made in the trace table.

For module DFHDUDT, a system dump is taken unless you have specifically suppressed the dumps (by a user exit program at the XDUREQ exit, in the dump table or by global system dump suppression). CICS processing continues unless you have specified in the dump table that CICS should terminate.

For module DFHDUTM, a system dump is taken. This dump cannot be suppressed. CICS processing continues.

For module DFHDUDU, a system dump cannot be taken as doing so could cause CICS to loop. CICS processing continues.

For other modules, a system dump is taken.

CICS processing continues.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Notify the system programmer. If CICS is still running, it is necessary to decide whether to terminate CICS.

Look up the MVS code, if there is one, in the relevant MVS codes manual which is detailed in the book list in the front of this manual.

Then look up the CICS alphanumeric code in this manual. This tells you, for example, whether the error was a program check, an abend, a runaway or a recovery percolation, and may give you some guidance concerning user response.

If module *modname* is not crucial to the running of your CICS system, you may decide to continue to run and bring CICS down at a convenient time to resolve the problem.

If you cannot run without the full use of module *modname*, you should bring CICS down in a controlled shutdown.

If the abend occurred in modules DFHDUDT or DFHDUTM, the dump table is not available. Therefore, any EXEC API commands relating to dump codes fail and any dumps taken are processed using default information (for example, whether to terminate CICS or not) rather than information you may have put on the dump table for specific dump codes.

You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Modules: DFHDUDT, DFHDUTM, DFHDUDU, DFHDUXD, DFHDUIO, DFHDUSU, DFHDUXW, DFHPCXDF, DFHSAXDF, DFHDLXDF, DFHXDXDF, DFHXRXDF, DFHTCXDF, DFHTRXDF, DFHFCXDF

XMEOUT Parameters: *applid, aaa/bbbb, X'offset', modname*

DFHDU0002 *applid* **A severe error (code** *X'code'***) has occurred in module** *modname***.**

Explanation: An error has been detected in module *modname*. The code *code* is the exception trace point ID which uniquely identifies what the error is and where the error was detected. For further information about CICS exception trace entries, refer to the *CICS Problem Determination Guide*.

System Action: An exception entry (code *code* in the message) is made in the trace table.

For module DFHDUDT, a system dump is taken unless you have specifically suppressed the dumps (by a user exit program at the XDUREQ exit, in the dump table or by global system dump suppression). CICS processing continues unless you've specified in the dump table that CICS should terminate.

For module DFHDUTM, a system dump is taken. This dump cannot be suppressed. CICS processing continues.

If appropriate, an error return code is sent to the caller of this domain. In this case, CICS could be terminated by the caller. A message will be issued to this effect.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Inform the system programmer. This indicates a possible error in CICS code. The severity of its impact will depend on the importance of the function being executed at the time of the error.

CICS may not have been terminated.

If the message occurs once and module *modname* is not crucial to the running of your CICS system, you may decide to continue to run and bring CICS down at a convenient time to resolve the problem.

If the message recurs or if you cannot run without the full use of module *modname* you should bring CICS down in a controlled shutdown.

If the error occurred in modules DFHDUDT or DFHDUTM, the dump table may not be available. Therefore, any EXEC API commands relating to dump codes may fail and any dumps taken may be processed using default information (for example, whether to terminate CICS or not) rather than information you may have put on the dump table for specific dump codes.

You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Modules: DFHDUDT, DFHDUTM

XMEOUT Parameters: *applid, X'code', modname*

DFHDU0004 *applid* **A possible loop has been detected at offset** *X'offset'* **in module** *modname***.**

Explanation: A CICS function is taking more time to process than CICS expects. A possible loop has been detected in module *modname* at offset X'*offset*'. This is the offset of the instruction which happened to be executing at the time when the error was detected.

System Action: An exception entry is made in the trace table.

For module DFHDUDT, a system dump is taken unless you have specifically suppressed the dumps (by a user exit program at the XDUREQ exit, in the dump table or by global system dump suppression). CICS processing continues unless you have specified in the dump table that CICS should terminate.

For module DFHDUTM, a system dump is taken. This dump cannot be suppressed. CICS processing continues.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Notify the system programmer. If CICS has not been terminated, it will be necessary to decide whether the problem is serious enough to bring CICS down.

Since some CICS functions can use a lot of CPU time, this message may have been caused by a long-running function. So there may not be an error here. Usually, CICS will purge a CICS function which exceeds the runaway task time interval which you have specified in the SIT (this is the ICVR which is measured in milliseconds). This means that module *modname* will be terminated and CICS will continue.

If you have declared ICVR=0 in the SIT and you consider that module *modname* has gone into a loop, you will have to terminate CICS in order to terminate the runaway function.

If CICS has terminated module *modname*, and you consider that it was not a runaway, you should increase the ICVR time interval in the SIT. You will have to bring CICS down at a suitable time to do this permanently. But you can change the ICVR time interval temporarily online, using the CEMT transaction.

If raising the ICVR time does not solve the problem, you will need further assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Modules: DFHDUDT, DFHDUTM, DFHDUXD, DFHDUIO, DFHDUSU, DFHDUXW, DFHPCXDF, DFHSAXDF, DFHDLXDF, DFHXDXDF, DFHXRXDF, DFHTCXDF, DFHTRXDF, DFHFCXDF

XMEOUT Parameters: *applid, X'offset', modname*

DFHDU0006 *applid* **Insufficient storage to satisfy Getmain (code** *X'code'***) in module** *modname***. MVS code** *mvscode***.**

Explanation: An MVS GETMAIN was issued module *modname*, but there was insufficient storage available to satisfy the request.

The code X'*code*' is the exception trace point id which uniquely identifies the place where the error was detected. This error has occurred above the 16M line.

The code *mvscode* is the MVS GETMAIN return code.

System Action: An exception entry is made in the trace table (code *code* in the message) and a system dump is taken. This dump cannot be suppressed. CICS processing continues.

User Response: Inform the system programmer. If CICS has been terminated by another module, look out for the relevant termination messages (from, for example, the domain manager), and look up the user response suggested for these messages.

If CICS is still running, the problem may be a temporary one which will right itself if more storage becomes available. If you can manage without module *modname*, you may decide to continue and bring CICS down at a convenient time to resolve the problem. If the message recurs or if you cannot run without the full use of all CICS modules, you should bring CICS down in a controlled shutdown.

As the problem is in module DFHDUTM, EXEC API commands for browsing the dump tables may not work, or additions to the dump tables may not work.

You can get diagnostic information about the MVS return code by consulting the relevant MVS codes manual which is listed in the book list at the front of this book.

Try decreasing the size limit of the DSAs or EDSAs. Or, try increasing the size of the whole region, if it is not already at maximum size. If CICS is not already terminated, you need to bring CICS down to do this.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHDUTM

DFHDU0102 *applid* **DFHDUIO could not be loaded. Transaction dump is inoperative.**

Explanation: CICS could not locate module DFHDUIO during initialization.

System Action: An exception trace entry is produced, and CICS continues with the transaction dump facility inoperative.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Use the exception trace entry and any other relevant messages to determine why module DFHDUIO was not available.

Destination: Console

Module: DFHDUDM

XMEOUT Parameter: *applid*

DFHDU0103 *applid* **An abend has occurred during initialization of dump domain in module DFHDUDM.**

Explanation: A dump domain has failed to initialize.

System Action: CICS terminates.

An exception trace and a kernel dump are issued by the dump domain. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Module: DFHDUDU

XMEOUT Parameter: *applid*

DFHDU0201 *applid* **About to take SDUMP. Dumpcode:** *dumpcode***, Dumpid:** *dumpid***.**

Explanation: An error, possibly signalled by a previous message, has caused a call to the CICS dump (DU) domain. Dump domain will issue this message immediately before calling the MVS SDUMP facility if the following conditions are satisfied:

- The SIT option, DUMP=YES, for SDUMPS has been specified.
- The dump table entry for dump code *dumpcode* specifies that a system SDUMP is required.
- The maximum dump limit for this dump code in the dump table entry has not been exceeded.
- The user exit XDUREQ does not suppress the taking of this dump.

The dump code *dumpcode* is an 8-character system dump code identifying the CICS problem. However some of these characters may be blanks. A system dump code is a CICS message number with the DFH prefix removed.

The dumpid *dumpid* is the unique 9-character string identifying this dump.

System Action: When the dump is complete, message number DFHDU0202 is issued.

User Response: Inform the system programmer, who should refer to the CICS message indicated by *dumpcode* to resolve the problem.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHDUDU

DFHDU0202 *applid* **SDUMP complete.**

Explanation: This message is issued on successful completion of an SDUMP.

System Action: Processing continues unless a CICS shutdown is requested by either the dump table entry for this dump or the dump call to the dump (DU) domain.

User Response: Print off the system dump if required. A previous MVS message identifies in which SYS1.DUMP data set this dump can be found.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHDUDU

DFHDU0203I *date time applid* **A transaction dump was taken for dumpcode:** *dumpcode***, Dumpid:** *dumpid***.**

Explanation: A CICS transaction has abnormally terminated, possibly signalled by a previous message, and the CICS dump (DU) domain has taken a transaction dump.

The dump code *dumpcode* is normally the 4-character CICS transaction abend code if the dump was requested as a result of a transaction abend. It may also be the value of the DUMPCODE operand on an EXEC CICS DUMP TRANSACTION request.

The dump ID *dumpid* is the unique 9-character string identifying this dump

System Action: A transaction dump is written to the current CICS dump data set, either DFHDMPA or DFHDMPB.

CICS may terminate if the dump table entry for the specified abend code specifically requests it.

User Response: Print off the transaction dump if required.

Destination: CDUL

Module: DFHDUDU

XMEOUT Parameters: *date, time, applid, dumpcode, dumpid*

DFHDU0205 *applid* **A system dump for dumpcode:** *dumpcode* **was suppressed by the** *reason***.**

Explanation: An error, possibly signalled by a previous message, has caused a call to the CICS (DU) dump domain, which failed to take a system dump for reason *reason*. Reason *reason* indicates what has caused dump suppression.

- The XDUREQ user exit.
- The dump table option for dump code *dumpcode*.
- The global system dump suppression option.

The dump code *dumpcode* is an 8-character system dump code identifying the CICS problem. However some of these characters may be blanks. A system dump code is a CICS message number with the DFH prefix removed.

System Action: A system dump is not produced. However, CICS will be terminated if the dump table entry for this dump code or the caller of the dump domain requests CICS termination.

User Response: If a system dump is required for this dump code, perform the user action appropriate to the reason *reason* given in the message.

- If the user exit XDUREQ has suppressed the dump, either inactivate this exit, or as a more permanent measure change the user exit program not to suppress the dump.
- If the dump table has suppressed the dump, use CEMT or CECI to browse and update the dump table entry for dump code *dumpcode*.
- If the global system dump suppression option has suppressed the dump, specify DUMP=YES on the SIT to allow future system dumps to be taken.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHDUDU

DFHDU0206I *date time applid* **A transaction dump for dumpcode:** *dumpcode* **was suppressed by the** *reason***.**

Explanation: A CICS transaction has abnormally terminated, possibly signalled by a previous message, and the CICS dump (DU) domain has failed to take a transaction dump for the reason *reason*. Reasons *reason* indicates the reason for dump suppression.

- XDUREQ user exit.
- Dump table option for this dump code.

The dump code *dumpcode* is the 4-character CICS transaction abend code.

System Action: A transaction dump is not produced. However, CICS is terminated if the dump table entry for this dump code or the caller of the dump domain specifically requests such.

User Response: If a transaction dump is required for this dump code, perform the user action appropriate to the reason *reason* given in the message.

- If the user exit, XDUREQ, has suppressed the dump, either inactivate this exit, or as a more permanent measure, change the user exit program so that it does not suppress the dump.
- If the dump table has suppressed the dump, use CEMT or CECI to browse and update the dump table entry for dump code *dumpcode*.

Destination: CDUL

Module: DFHDUDU

XMEOUT Parameters: *date, time, applid, dumpcode, reason*

DFHDU0207I *date time applid* **Transaction and system dumps for dumpcode:** *dumpcode* **were suppressed by the** *reason***.**

Explanation: Either an EXEC CICS DUMP TRANSACTION DUMPCODE command has been issued, or a CICS transaction has abnormally terminated, possibly signalled by a previous message, and the CICS dump (DU) domain has failed to take a transaction dump nor a system dump for reason *reason*. Reasons *reason* indicates what caused dump suppression.

- XDUREQ user exit.
- Dump table option for this dump code.

The dump code *dumpcode* is the 4-character CICS transaction abend code.

System Action: Neither a transaction nor a system dump is produced. However, CICS is terminated if the dump table entry for this dump code or the caller of the dump domain makes such a request.

User Response: If a transaction dump and/or a system dump is required for this dump code, perform the user action appropriate to the reason *reason* given in the message:

- If the user exit XDUREQ has suppressed the dump, either inactivate this exit, or, as a more permanent measure change, the user exit program so it does not suppress the dump.
- If the dump table has suppressed the dump, use CEMT or CECI to browse and update the dump table entry for this dump code.

Destination: CDUL

Module: DFHDUDU

XMEOUT Parameters: *date, time, applid, dumpcode, reason*

DFHDU0208 *applid* **SDUMP busy - CICS will retry in five seconds.**

Explanation: At the time of the MVS SDUMP request issued by CICS, another address space in the same MVS system was in the process of taking an SDUMP. This caused MVS to reject the new request. A non-zero value for the DURETRY parameter on the SIT means that CICS is waiting for five seconds before reissuing the SDUMP request.

System Action: CICS issues an MVS STIMERM macro which caused CICS to stop for five seconds. The request is reissued when the delay interval has expired. CICS will delay and retry every five seconds for a total time equal to the number of seconds specified on the DURETRY SIT parameter.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHDUDU

DFHDU0209 *applid* **Retrying SDUMP.**

Explanation: At the time of the MVS SDUMP request issued by CICS, another address space in the same MVS system was in the process of taking an SDUMP. This caused MVS to reject the new request. CICS has waited for five seconds (as indicated by message DFHDU0208) and is now about to reissue the SDUMP request.

System Action: CICS reissues the SDUMP request.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHDUDU

DFHDU0210 *applid* **SDUMPX REQUEST FAILED -** *reason***.**

Explanation: An MVS SDUMPX request from CICS signalled by message DFHDU0201 has failed to complete successfully. The possible reasons, (*reason*) for the failure are as follows:

SDUMPX RETURN CODE X'nn' ONLY PARTIAL DUMP.
The SYS1.DUMP data set to which the dump is written is not large enough to contain all of the dumped storage.

SDUMPX RETURN CODE X'nn' REASON X'mm' SDUMPX BUSY
At the time of the MVS SDUMPX request issued by CICS, another address space in the same MVS system was in the process of taking an SDUMP. This causes MVS to reject the new request. If a nonzero value is specified for the DURETRY SIT parameter, CICS retries the SDUMPX request every five seconds for the specified period. This message is only issued if SDUMPX is still busy after the final retry.

SDUMPX RETURN CODE X'nn' REASON X'mm' NO DATA SET AVAILABLE
No SYS1.DUMP data sets were available at the time the SDUMPX request was issued.

SDUMPX RETURN CODE X'nn' REASON = X'mm'
MVS has rejected the SDUMPX request for some other reason than those listed above. X'nn' gives the SDUMPX return code and X'mm' gives the SDUMPX reason code.

STIMERM FAILED
In order to delay for five seconds before retrying SDUMPX after an SDUMPX BUSY condition, CICS issues an MVS STIMERM macro request. MVS has indicated that the STIMERM request has failed.

NOT AUTHORIZED IN CICS
SDUMP is not authorized for this CICS run.

INSUFFICIENT STORAGE
CICS issued an MVS GETMAIN for Subpool 253 storage during the processing of the SDUMPX request. The GETMAIN has been rejected by MVS.

DFHDUSVC FESTAE FAILED
CICS issued an MVS FESTAE request from DFHDUSVC during the processing of the SDUMPX request. The FESTAE has been rejected by MVS.

IWMWQWRK RETURN CODE X'xx' REASON X'yy' REMOTE DUMPS NOT TAKEN
CICS issued an MVS IWMWQWRK request during the processing of the SDUMPX request for dumps of related CICS systems. The IWMWQWRK request has been rejected by MVS return code X'xx' and reason X'yy'. In this case CICS was unable to dump related CICS address spaces but has attempted to dump the local address space.

DFHDUSVC INVALID PROBDESC
The SDUMPX PROBDESC parameters, created by DFHDUSVC, contain invalid data.

System Action: CICS proceeds as if the dump had been successful.

User Response: The user response depends on the reason, (*reason*), for the failure.

SDUMPX RETURN CODE X'nn' ONLY PARTIAL DUMP.
See the *OS/390 MVS Programming: Authorized Assembler Services Reference* for an explanation of the SDUMPX return code X'nn'. Use MVS problem determination methods to determine why a partial dump was taken.

SDUMPX RETURN CODE X'nn' REASON X'mm' SDUMPX BUSY
Cause the SDUMP to be reissued after, if appropriate, increasing the value of the DURETRY system initialization parameter. See the *OS/390 MVS Programming: Authorized Assembler Services Reference* for an explanation of the SDUMPX return code X'nn' and reason X'mm'.

SDUMPX RETURN CODE X'nn' REASON X'mm' NO DATA SET AVAILABLE
Clear a SYS1.DUMP data set and then cause the SDUMP request to be reissued. See the *OS/390 MVS Programming: Authorized Assembler Services Reference* for an explanation of the SDUMPX return code X'nn' and reason X'mm'.

SDUMPX RETURN CODE X'nn' REASON X'mm'
No action is required if the dump was suppressed deliberately. If the dump has failed because of an error in the MVS SDUMP routine, use MVS problem determination methods to fix the error and then cause the SDUMP request to be reissued. See the *OS/390 MVS Programming: Authorized Assembler Services Reference* for an explanation of the SDUMPX return code X'nn'. and reason code X'mm'

STIMERM FAILED
Use MVS problem determination methods to fix the STIMERM failure and then cause the SDUMP request to be reissued.

NOT AUTHORIZED IN CICS
This reason is unlikely to occur because SDUMPX is unconditionally authorized during CICS initialization, and

should be authorized throughout the CICS run. If you do get this reason, the CICS AFCB (authorized function control block) has probably been accidentally overwritten.

INSUFFICIENT STORAGE
Ensure sufficient storage is available to MVS for subpool 253 requests.

DFHDUSVC FESTAE FAILED
Use MVS problem determination methods to fix the FESTAE failure and then cause the SDUMP request to be reissued. See the *OS/390 MVS Programming: Authorized Assembler Services Reference* for an explanation of the FESTAE macro.

IWMWQWRK RETURN CODE X'xx' REASON X'yy'.
CICS issued an MVS IWMWQWRK request during the processing of the SDUMPX request. The IWMWQWRK request has been rejected by MVS return code X'xx' and reason X'yy'. See the *OS/390 MVS Programming: Authorized Assembler Services Reference* for an explanation of the return and reason codes.

DFHDUSVC INVALID PROBDESC
The SDUMPX PROBDESC parameters, created by DFHDUSVC during the processing of the SDUMPX request, are invalid. The PROBDESC parameters have probably been accidentally overwritten.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHDUDU

DFHDU0211 *applid* **THE XDUREQ USER EXIT IS NOT CALLED FOR DUMPCODE** *dumpcode***.**

Explanation: Because of a severe system error, the XDUREQ user exit (which allows you to suppress system dumps) has not been called for system dump *dumpcode*.

System Action: The XDUREQ user exit is not called.

DFHDU0211 is followed either by message DFHDU0201, indicating that dump *dumpcode* was taken, or by message DFHDU0205, indicating that dump *dumpcode* was suppressed. Message DFHDU0201 or DFHDU0205 is followed by message DFHDU0309 if CICS terminates.

The XDUREQ user exit is called for subsequent system dumps.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHDUDU

DFHDU0212 *applid* **Requested transaction dump code** *dumpcode* **is invalid.**

Explanation: A requested transaction dump code has unprintable characters, or has leading or imbedded blanks.

System Action: A transaction dump is produced unless suppressed by the user exit XDUREQ. However, no dump statistics are committed. The transaction dump is complete when message DFHDU0203 is issued. The invalid dump code is shown in dump domain (DU) trace points X'0600' and X'0601'.

User Response: Print off the transaction dump and determine how an abend or EXEC CICS request was issued with an invalid dump code.

Destination: Console

Module: DFHDUDU

XMEOUT Parameters: *applid, dumpcode*

DFHDU0213 REMOTE SDUMPX REQUEST FAILED - *reason***.**

Explanation: A remote MVS SDUMPX request from CICS has failed to complete successfully. The possible reasons, (*reason*) for the failure are as follows:

DFHDUMPX AUTOMATIC STORAGE GETMAIN FAILED.
CICS issued an MVS GETMAIN for Subpool 253 storage during the processing of the SDUMPX request. The GETMAIN has been rejected by MVS.

DFHDUMPX NOT RUNNING IN THE MASTER ADDRESS SPACE.
DFHDUMPX must run in the MASTER address space. CICS stops processing the remote SDUMPX request if it detects that DFHDUMPX is running in another address space.

IWMWQWRK FOUND NO ADDRESS SPACES TO DUMP.
The MVS IWMWQWRK service found no CICS address spaces with work relating to the remote SDUMPX request.

IWMWQWRK FAILED WITH A WARNING.
CICS issued an MVS IWMWQWRK request from DFHDUMPX during the processing of the remote SDUMPX request. MVS has rejected the IWMWQWRK request with a warning return code.

IWMWQWRK FAILED WITH AN ERROR.
CICS issued an MVS IWMWQWRK request from DFHDUMPX during the processing of the remote SDUMPX request. MVS has rejected the IWMWQWRK request with an error return code.

DFHDUMPX OUTPUT WORKAREA GETMAIN FAILED
CICS issued an MVS GETMAIN for Subpool 253 storage during the processing of the SDUMPX request. The GETMAIN has been rejected by MVS.

NO PROBDESC PARAMETERS SUPPLIED TO DFHDUMPX.
DFHDUMPX is invoked by MVS under the IEASDUMP.QUERY exit. If MVS does not supply the SDUMPX PROBDESC parameters then DFHDUMPX is unable to determine whether a remote dump should be taken or suppressed.

DFHDUMPX RECOVERY ROUTINE ENTERED
An abnormal end (abend) or program check has occurred in DFHDUMPX. This implies that there is an error in CICS code.

Alternatively, unexpected data has been input, or storage has been overwritten.

CICS adds diagnostic data to the MVS SDWA and makes an entry in SYS1.LOGREC.

System Action: CICS proceeds as if the dump had been successful.

User Response: The user response depends on the reason, (*reason*), for the failure.

DFHDUMPX AUTOMATIC STORAGE GETMAIN FAILED.
Ensure sufficient storage is available to MVS for subpool 253 requests.

DFHDUMPX NOT RUNNING IN THE MASTER ADDRESS SPACE.

This reason is unlikely to occur because CICS requests that the MVS CSVDYNEX service adds DFHDUMPX as an IEASDUMP.QUERY exit in the MASTER address space.

If you do get this reason, there was probably an error during CICS initialization.

Notify the system programmer.

You will need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

IWMWQWRK FOUND NO ADDRESS SPACES TO DUMP.

This is unlikely to be an error. DFHDUMPX is invoked on all the MVS images in a SYSPLEX for a remote SDUMPX request. Some of the images may not have any CICS address spaces with work relating to the CICS system which originated the remote SDUMPX request.

IWMWQWRK FAILED WITH A WARNING.

The IWMWQWRK return code and reason are included in a CICS trace entry which is written to the GTF data set. The trace entry is not written to the CICS internal trace or in the CICS auxiliary trace data set because DFHDUMPX does not execute under a CICS TCB.

See the *OS/390 MVS Programming: Authorized Assembler Services Reference* for an explanation of the IWMWQWRK return code and reason.

IWMWQWRK FAILED WITH AN ERROR.

The IWMWQWRK return code and reason are included in a CICS trace entry which is written to the GTF data set. The trace entry is not written to the CICS internal trace or in the CICS auxiliary trace data set because DFHDUMPX does not execute under a CICS TCB.

See the *OS/390 MVS Programming: Authorized Assembler Services Reference* for an explanation of the IWMWQWRK return code and reason.

DFHDUMPX OUTPUT WORKAREA GETMAIN FAILED

Ensure sufficient storage is available to MVS for subpool 253 requests.

NO PROBDESC PARAMETERS SUPPLIED TO DFHDUMPX.

This is an error if the remote SDUMPX request was made by CICS for a system dumpcode which included the RELATED option, or if the operator entered a remote SDUMPX request which included PROBDESC parameters.

A GTF trace may aid in problem diagnosis.

Notify the system programmer.

To resolve the problem, collect any data from GTF trace, any dumps and any relevant messages. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

DFHDUMPX RECOVERY ROUTINE ENTERED

Notify the system programmer.

To resolve the problem, collect any data from SYS1.LOGREC, any dumps and any relevant messages. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHDUMPX

DFHDU0214 DFHDUMPX IS ABOUT TO REQUEST A REMOTE SDUMP.

Explanation: DFHDUMPX is called under the MVS IEASDUMP.QUERY exit and determines whether a remote dump should be taken.

DFHDUMPX issues this message immediately before returning to MVS if the following conditions are satisfied:

- a dump has been requested for a CICS dump code, whose dump table entry specified that related dumps are required, and DFHDUMPX has found related CICS work on this MVS image or
- the operator requested remote dumps from the console, including the CICS DFHJOBN keyword in the MVS PROBDESC parameters, and DFHDUMPX has found CICS jobs on this MVS image which match the DFHJOBN data.

System Action: Processing continues.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHDUMPX

DFHDU0215 DFHDUMPX IS ABOUT TO SUPPRESS A REMOTE SDUMPX.

Explanation: DFHDUMPX is called under the MVS IEASDUMP.QUERY exit and determines whether a remote dump should be taken.

DFHDUMPX issues this message immediately before returning to MVS if it has found that a remote dump should be suppressed.

The remote dump is suppressed under the following conditions :

- A dump has been requested for a CICS dump code, whose dump table entry specified that related dumps are required, and DFHDUMPX has found no related CICS work on this MVS image or
- The operator requested remote dumps from the console, including the CICS DFHJOBN keyword in the MVS PROBDESC parameters, and DFHDUMPX has found no CICS jobs on this MVS image which match the DFHJOBN data.

The remote dump is also suppressed if an error occurred during the DFHDUMPX processing. Look for a previous DFHDU0213 message to find the reason for the error.

System Action: Processing continues.

User Response: To determine whether action is necessary refer to any DFHDU0213 message preceding this one.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHDUMPX

DFHDU0216 PROBDESC DOES NOT CONTAIN CICS DATA.

Explanation: DFHDUMPX is called under the MVS IEASDUMP.QUERY exit and determines whether a remote dump should be taken.

DFHDUMPX issues this message if it has found that the SDUMPX PROBDESC parameters do not contain CICS data. It is probable that this is not an error and that the remote dump was requested by a product other than CICS. However, if you were expecting a CICS remote dump it could be that the PROBDESC parameters were accidentally overwritten.

System Action: DFHDUMPX will request that MVS suppresses the remote dump and then processing continues.

User Response: You need to take the action only if you were expecting a remote CICS dump.

Notify the system programmer.

To resolve the problem, collect any data from GTF trace, any dumps and any relevant messages. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHDUMPX

DFHDU0302I *applid* **Transaction Dump Data set** *dataset* **to be closed due to** *text-descr*

Explanation: This message is output when attempting to write a record to the transaction dump data set. *text-descr* is one of the following:

- DCB ABEND
- TASK TIMEOUT
- TASK CANCEL

System Action: None unless *text-descr* is DCB ABEND, in which case an exception entry is made in the trace table and a system dump is taken.

User Response: Notify the system programmer.

In the case of DCB ABEND, there will normally be an accompanying MVS error message to help identify the problem with the data set.

If the problem is not due to a major corruption of CICS, successful switching of dump data sets will reinstate the transaction dump environment. Otherwise, the transaction dump environment will be available only if the XDUOUT user-exit is active.

Destination: Console

Module: DFHDUIO

XMEOUT Parameters: *applid, dataset, text-descr*

DFHDU0303I *applid* **Transaction Dump Data set** *dataset* **closed.**

Explanation: This message is issued in one of the following situations:

- A request to close the dump data set is issued by the operator.
- The CICS system is shut down.
- A request to switch between dump data sets is issued by the operator.
- A transaction dump data set becomes full.

The insert *dataset* indicates the name of the data set being closed.

System Action: Processing continues.

If autoswitching of the transaction dump data set is not active, the transaction dump environment is available only if the XDUOUT user-exit is active.

If autoswitching is enabled, this message is followed by DFHDU0304 and DFHDU0305 to indicate that the data set switch is successful.

If the switch is unsuccessful, this message is followed by DFHDU0306.

User Response: None.

Destination: Console

Module: DFHDUSU

XMEOUT Parameters: *applid, dataset*

DFHDU0304I *applid* **Transaction Dump Data set** *dataset* **opened.**

Explanation: This message is output when any of the following situations occur:

- A request to open the dump data set is issued by the operator.
- The CICS system is brought up.
- A request to switch between dump data sets is issued by the operator.
- Automatic switching between dump data sets is being performed.

dataset in the message indicates the name of the data set being opened.

System Action: Processing continues.

User Response: None.

Destination: Console

Module: DFHDUSU

XMEOUT Parameters: *applid, dataset*

DFHDU0305I *applid* **Transaction Dump Data set switched to** *ddname*

Explanation: This message is issued when one of the following situations occurs:

- A command is issued by the operator to switch dump data sets.
- Automatic switching is being performed between dump data sets due to a dump data set being full.

This message is always preceded by message DFHDU0304 and also, if the old dump data set was open, by message DFHDU0303.

ddname in the message indicates the ddname of the active transaction dump data set (either DFHDMPA or DFHDMPB).

System Action: Processing continues.

User Response: Print or copy the completed dump data set, and if required, reissue the command CEMT SET DUMP AUTO.

Destination: Console

Module: DFHDUSU

XMEOUT Parameters: *applid, ddname*

DFHDU0306 *applid* **Unable to open Transaction Dump Data set** *dataset* **-** *text-descr*

Explanation: This message occurs when attempting to open a transaction dump data set.

text-descr is one of:

OPEN ERROR An attempt was made to open the dump data set, and an abend exit was invoked. This condition is usually accompanied by MVS system messages.

INSUFFICIENT STORAGE An MVS GETMAIN was issued to obtain storage below the 16MB line. This request was unsuccessful.

System Action: An exception entry is made in the trace table.

In both cases, the transaction dump data set is not open, and unless the XDUOUT exit is active, the transaction dump is inoperative.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: See any associated MVS messages for further guidance.

Destination: Console

Module: DFHDUIO

XMEOUT Parameters: *applid, dataset, text-descr*

DFHDU0307 *applid* **Module DFHDUIO is unavailable. Transaction dump is inoperative.**

Explanation: This message is issued either when an attempt is made to open or close a dump data set, or when switching between dump data sets, to remind the user that CICS could not locate module DFHDUIO during initialization. CICS will have issued message DFHDU0102 during initialization to warn the user of this condition.

System Action: CICS continues with the transaction dump facility inoperative.

User Response: If necessary, refer to the user response for message DFHDU0102.

Destination: Console

Module: DFHDUSU

XMEOUT Parameter: *applid*

DFHDU0308I *applid* **CICS will terminate because the Dump Table entry for the transaction dump code:** *dumpcode* **specifies shutdown.**

Explanation: This message is issued when a transaction dump has been requested for the transaction dump code *dumpcode* and the associated dump table entry specifies that CICS should be terminated.

This message records that it was a transaction dump table entry which requested the termination of CICS.

System Action: CICS is terminated.

User Response: Process any transaction dump in the normal way.

On a warm or emergency start, explicitly defined dump table entries are restored from the catalog. If the dump table entry for *dumpcode* was explicitly defined, it can be modified to prevent CICS from terminating, if desired, using CEMT or EXEC API commands.

Implicitly defined dump table entries are not recorded on the catalog and are therefore not restored. On a cold or initial start, CICS does not restore the dump table from the catalog.

Destination: Console

Module: DFHDUDU

XMEOUT Parameters: *applid, dumpcode*

DFHDU0309I *applid* **CICS will terminate because the Dump Table entry for the system dump code:** *dumpcode* **specifies shutdown.**

Explanation: This message is issued when a system dump has been requested for the system dump code *dumpcode* and the associated dump table entry specifies that CICS should be terminated.

This message records that it was a system dump table entry which requested the termination of CICS.

System Action: CICS is terminated.

User Response: Print off any system dump if required.

On a warm or emergency start, explicitly defined dump table entries are restored from the catalog. If the dump table entry for *dumpcode* was explicitly defined, it can be modified to prevent CICS from terminating using CEMT or EXEC API commands.

Implicitly defined dump table entries are not recorded on the catalog and are therefore not restored. On a cold or initial start, CICS does not restore the dump table from the catalog.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHDUDU

DFHDU1601 DATA SET READ ERROR.

Explanation: The access method has indicated a read error. The dump data set may not have been opened during the most recent CICS execution.

System Action: The record is skipped.

User Response: Either ensure that the JCL is correct, or determine the reason for the read errors.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHDU520

DFHDU1602 36 CONSECUTIVE UNIDENTIFIABLE RECORDS, DUMP UTILITY TERMINATED.

Explanation: An identification record has an incorrect code or format. The most common reasons for this error include the following.

- The wrong data set is being processed.
- The dump data set that the utility is trying to process has not been used in the current CICS execution.

In the latter case, the error would arise because no dumps were produced in the current execution or because the data sets had been switched.

System Action: Records are skipped and execution is terminated with a return code of 8.

User Response: Ensure that the correct data set is being processed. Alternatively, check for a possible error in the dump control program, DFHDCP.

If two dump data sets are being used, check that the data set being processed has been used before in the current CICS execution.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHDU520

DFHDU1603 NO *{DUMP | PRINT}* DATA SET DD CARD *{DFHDMPDS | DFHPRINT}*, DUMP UTILITY TERMINATED.

Explanation: A dump or a print data set was not successfully opened.

System Action: If it was a dump data set that failed to open successfully, the system prints the message on the print data set and terminates execution with a return code of 12.

If it was the print data set that failed to open successfully, the system terminates execution with a return code of 16.

User Response: If the JCL is correct with the stated ddnames as in the message, determine why the data set cannot be opened. The return codes are issued by DFHDU520. They only identify whether a dump or print data set failed.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHDU520

DFHDU1604 END OF FILE ENCOUNTERED, LAST DUMP MAY BE INCOMPLETE.

Explanation: The dump data set has been filled.

System Action: The dump utility program DFHDU520 terminates.

User Response: Check that the dump is complete and that no incomplete message is at the end of it. If there is an incomplete message at the end of the dump, the last dump in the data set may not contain all the information required. You should recreate the problem to try and get a complete dump. If dump data set auto-switching was active at the time the dump was taken, a complete version of the dump is present on the alternate dump data set.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHDU520

DFHDU1609 36 CONSECUTIVE INVALID READ ERRORS. DUMP UTILITY TERMINATED.

Explanation: The access method has indicated 36 consecutive invalid records in the dump data set. The most probable cause of this problem is an invalid end-of-file marker which caused the access method to attempt to read beyond the last record in the data set. This problem may also have been caused if:

- DFHDU520 has been run with a data set that has never been accessed by CICS before. The data set may contain an invalid type of record format.
- DFHDU520 has been run with a data set that has been copied with the wrong block size and record format.

System Action: The dump utility execution is terminated with a return code of 8 from DFHDU520.

User Response: Determine and correct the reason for the access failure. Recreate the dump if necessary.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHDU520

DFHDU1610 DUMP FORMATTING HAS ENCOUNTERED AN INVALID TRACE BLOCK. TRACE ENTRIES MAY BE LOST.

Explanation: The dump utility program, DFHDU410, has detected an error while copying trace records from the trace data set. Trace records may be omitted from the formatted output.

System Action: DFHDU410 attempts to read the next trace block and continues formatting trace records.

User Response: To resolve the problem, keep the dump and contact your IBM Support Centre. Further guidance on how to prepare information for IBM support is given in the *CICS Problem Determination Guide*. If you are not familiar with this process, refer to the guide before contacting IBM.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHDU520

DFHDU1611 FILE ERROR, FULL TRACE FAILED. DUMP FORMATTING WILL CONTINUE WITH ABBREVIATED TRACE.

Explanation: Due to an error in the MVS NOTE macro, the dump utility program, DFHDU520 was unable to note the position on the data set at which the trace data started. It is therefore not possible to return to the start of the trace data after the abbreviated trace has been formatted in order to print the trace with format FULL.

System Action: Transaction dump formatting continues with only abbreviated trace for this dump.

User Response: If only the full trace is required, rerun the DFHDU410 job with the NOABBREV parameter. Otherwise attempt to recreate the dump. If the problems recurs, keep the dump and contact your IBM Support Centre. Further guidance on how to prepare information for IBM support is given in the *CICS Problem Determination Guide*. If you are not familiar with this process, refer to the guide before contacting IBM.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHDU520

DFHDXxxxx messages

DFHDX8300I *applid* GETMAIN REQUEST FAILED. NOT ATTEMPTING TO CONNECT TO ALTERNATE SYSTEMS.

Explanation: The CICS system, with specific applid given, was unable to obtain working storage to control the sequencing of DBCTL connection attempts defined in the RST. (Recovery Service Table).

System Action: CICS attempts to connect only to the DBCTL subsystem defined in the DBCTL start-up table.

User Response: The working storage can be above the 16MB line so the GETMAIN request is unlikely to fail for genuine lack of space. If the error is persistent it may be necessary to cancel CICS with a dump to resolve the problem.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHDXAX

DFHDX8301I *applid* **LOAD REQUEST FAILED FOR** *rstname***. NOT ATTEMPTING TO CONNECT TO ALTERNATE SYSTEMS.**

Explanation: The CICS system, with the specific applid given, was unable to load the RST *rstname* while looking for the names of alternative DBCTL subsystems to which to connect.

System Action: CICS will attempt to connect only to the DBCTL subsystem defined in the DBCTL start-up table.

User Response: Check that the RST suffix in the SIT is correct and that the RST is actually present in the authorized library.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHDXAX

DFHDX8302I *applid* **VALIDATION FAILED FOR** *rstname***. NOT ATTEMPTING TO CONNECT TO ALTERNATE SYSTEMS.**

Explanation: The CICS system, with the specific applid given, found that the RST *rstname* was invalid.

It is unable to use it to look for the names of alternative DBCTL subsystems to which to connect.

System Action: CICS will attempt to connect only to the DBCTL subsystem defined in the DBCTL start-up table.

User Response: Check that the RST suffix in the SIT is correct and that the RST has been correctly prepared using the DFHRST macro that is supplied as part of the CICS product.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHDXAX

DFHDX8303 *applid* **DELETE REQUEST FAILED FOR** *rstname***.**

Explanation: The CICS system, with the specific applid given, was unable to delete the RST *rstname* after completing an attempt to connect to a DBCTL subsystem.

System Action: CICS continues normally.

User Response: If the error is persistent it may be necessary to cancel CICS with a dump to resolve the problem.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHDXAX

DFHDX8304 *applid* **CICS/DBCTL RECONNECTION IN PROGRESS.**

Explanation: This message occurs in an XRF environment only. It occurs when CICS attempts to connect to DBCTL but believes that DBCTL is restarting.

The message is displayed two minutes after the attempted connection, and then after each subsequent minute.

System Action: CICS continues to attempt to reconnect.

User Response: Check why DBCTL is not restarting. You can cancel the connection using the CDBC transaction.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHDXAX

DFHDX8309 *applid* **Unable to detach subtask during CICS termination.**

Explanation: CICS has detected that a subtask, attached during CICS XRF support of DBCTL, cannot be detached during CICS termination.

System Action: CICS abends with code A03.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: None. This abend occurs as a result of a previous error. Check for earlier DFHDX832*x*, DFHDX833*x*, or DFHDX834*x* error messages for further information and guidance.

Destination: Console

Module: DFHAPDM

XMEOUT Parameter: *applid*

DFHDX8310I *applid* **Initiating catch-up tasks.**

Explanation: The catch-up transaction, CXCU, has received control.

System Action: The catch-up transaction is about to initiate the catch-up tasks for specific functional areas.

User Response: None. This is simply a “work is in progress” message. You can suppress this message with the system initialization parameter, MSGLVL=0.

Destination: Console

Module: DFHCXCU

XMEOUT Parameter: *applid*

DFHDX8311I *applid* **System initialized with XRF=NO. Catch-up transaction CXCU took no action.**

Explanation: The catch-up transaction, CXCU, was invoked but the CICS system specified XRF=NO. Catchup functions are not relevant.

System Action: The catch-up transaction terminates normally without taking any action.

User Response: None.

Destination: Console

Module: DFHCXCU

XMEOUT Parameter: *applid*

DFHDX8312I *applid* **Catch-up transaction failed to run program** *progname***. Catch-up is incomplete.**

Explanation: The catch-up transaction, CXCU, running on the CICS system with specific applid given, was unable to call the specific catch-up service routine *progname*. This may be either DFHDXCU (DBCTL catch-up) or DFHZXCU (terminal catch-up).

System Action: The catch-up associated with routine *progname* is not performed.

The active and alternate CICS systems continue, but the alternate will be less effective in the event of a takeover.

User Response: Retry by entering 'CXCU' from a terminal. If the error persists check that the routine *progname* is present in the load library.

Destination: Console

Module: DFHCXCU

XMEOUT Parameters: *applid, progname*

DFHDX8313I *applid* **Catch-up transaction failed.**

Explanation: The catch-up transaction, CXCU, running on the CICS system with specific applid given, has failed. CXCU runs either in response to a transaction request from an end-user, or automatically by an active CICS system in response to the appearance of an alternate CICS system. Its purpose is to inform the alternate of the active's state regarding terminals and DBCTL connection.

System Action: The CXCU transaction abends with a dump and transaction abend code ACXA.

Both active and alternate CICS systems continue, but the alternate will be less effective in the event of a takeover. For example, terminal backup sessions may not be established.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Retry by entering 'CXCU' from a terminal. If the error persists diagnose problem from the dump.

Destination: Console

Module: DFHCXCU

XMEOUT Parameter: *applid*

DFHDX8315I *applid* **XRF DBCTL state catch-up starting.**

Explanation: The catch-up transaction to transmit the active's DBCTL state to the alternate has been started on the CICS system with specific applid named.

System Action: None.

User Response: None. You can suppress this message with the system initialization parameter, MSGLVL=0.

Destination: Console

Module: DFHDXCU

XMEOUT Parameter: *applid*

DFHDX8316I *applid* **XRF DBCTL state catch-up ending.**

Explanation: The catch-up transaction to transmit the active's DBCTL state to the alternate has been completed on the CICS system with specific applid given.

System Action: None.

User Response: None. You can suppress this message with the system initialization parameter, MSGLVL=0.

Destination: Console

Module: DFHDXCU

XMEOUT Parameter: *applid*

DFHDX8317I *applid* **XRF DBCTL state catch-up ignored for reason** *nn***.**

Explanation: The XRF DBCTL catch-up transaction has been invoked on the CICS system with the given specific applid.

Although this system has DL/I installed, and an RST has been specified in the SIT, catch-up for DBCTL has proved unnecessary for reason *nn*, where *nn* may be one of the following.

Reason	Meaning
01	DBCTL has not been used yet.
02	XRF DBCTL has not been used yet.
03	There is no connection state information to send.
04	The system is running with XRF=NO.
05	There is no alternate CICS to which to send state data.

System Action: None. No catch-up is needed.

User Response: None. You can suppress this message with the system initialization parameter, MSGLVL=0.

Destination: Console

Module: DFHDXCU

XMEOUT Parameters: *applid, nn*

DFHDX8318I *applid* **XRF DBCTL state catch-up failed for reason** *nn***.**

Explanation: The XRF DBCTL catch-up transaction has been invoked on the CICS system with the given specific applid.

The transaction has failed for reason *nn*, where *nn* may be one of the following.

Reason	Meaning
01	The CAVM message service returned an unidentifiable return code.
02	The CAVM message service returned an unexpected exception return code.
03	The CAVM message service returned an unexpected failure reason code.

System Action: The DBCTL catch-up transaction is terminated with a dump. The transaction abend code is ADXB.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Check for any other messages relating to CAVM data set problems for further information and guidance.

Destination: Console

Module: DFHDXCU

XMEOUT Parameters: *applid, nn*

DFHDX8319I *applid* **XRF DBCTL state catch-up failed.**

Explanation: The XRF DBCTL catch-up transaction has been invoked on the CICS system with the given specific applid.

The transaction has failed.

System Action: The DBCTL catch-up transaction is terminated with a dump. The transaction abend code is ADXA.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Diagnose the error from the dump.

Destination: Console

Module: DFHDXCU

XMEOUT Parameter: *applid*

DFHDX8320I *applid* **DBCTL Restart processing completed after DBCTL failure.**

Explanation: The user exit XXDFA requested a restart of DBCTL. The restart was initiated successfully.

System Action: The active CICS continues normally and will attempt to reconnect to DBCTL.

User Response: None. You can suppress this message with the SIT parameter, MSGLVL=0.

Destination: Console

Module: DFHDBCT

XMEOUT Parameter: *applid*

DFHDX8321 *applid* **Unable to determine JES affiliation of DBCTL subsystem for reason X'***nn***'.**

Explanation: CICS can offer full XRF support only if the DBCTL to which it is connected is running under the same JES as CICS itself.

nn may be one of the following.

nn	**Meaning**
X'09'	MVS GETMAIN failure.
X'10'	MVS ATTACH failure.

System Action: The active CICS continues, but, in the event of failure, CICS will not attempt to restart DBCTL automatically.

User Response: None.

Destination: Console

Module: DFHDBCT

XMEOUT Parameters: *applid, X'nn'*

DFHDX8322 *applid* **LOAD request failed for** *xxxxxxxx***. DBCTL/XRF support will not be provided for this connection.**

Explanation: CICS has been notified of a DBCTL failure, but has been unable to load the specified Recovery Service Table (RST) to determine if XRF support is required.

System Action: CICS continues as if no XRF support had been requested for the failing DBCTL subsystem.

User Response: Re-link-edit a valid RST into STEPLIB. DBCTL may have to be restarted manually.

Destination: Console

Module: DFHDBCT

XMEOUT Parameters: *applid, xxxxxxxx*

DFHDX8323 *applid* **Unable to complete search for DBCTL alternate.**

Explanation: CICS has been notified of a DBCTL failure, but has been unable to complete the search for a DBCTL alternate, possibly due to an unexpected return code from an IEFSSREQ request.

System Action: CICS continues as if no DBCTL alternate had been found. An ADDI transaction dump will be produced. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Note: It may be necessary to restart DBCTL manually.

Destination: Console

Module: DFHDBCT

XMEOUT Parameter: *applid*

DFHDX8324 *applid* **Unable to restart DBCTL** *xxxxxxxx* **for reason X'***nn***'.**

Explanation: CICS was unable to restart DBCTL owing to an internal failure indicated by the value of *n*. *n* may be one of the following.

n	**Meaning**
X'08'	An MVS GETMAIN failed.
X'09'	An MVS ATTACH failed.

System Action: The active CICS continues but was not able to restart DBCTL automatically. However, it will attempt to reconnect to DBCTL in the normal way.

User Response: It may be necessary to restart DBCTL manually.

Destination: Console

Module: DFHDBCT

XMEOUT Parameters: *applid, xxxxxxxx, X'nn'*

DFHDX8325 *applid* **Restart command issued unsuccessfully to** *subsysid* **for reason** *X'xx' X'yy'***.**

Explanation: The user exit XXDFA requested a restart of DBCTL. The restart request was issued to *subsysid* but was rejected with hexadecimal reason codes X'*xx*' and X'*yy*'.

System Action: The active CICS continues normally and will attempt to reconnect to DBCTL.

User Response: It may be necessary to restart DBCTL manually.

Destination: Console

Module: DFHDBCT

XMEOUT Parameters: *applid, subsysid, X'xx', X'yy'*

DFHDX8326 *applid* **DBCTL state message lost owing to message services error.**

Explanation: The active CICS system was unable to report a change of DBCTL connection status to the alternate.

System Action: The active system writes an error entry in its CAVM status record, but otherwise continues normally.

User Response: Check for any other messages relating to CAVM data set problems.

Were the CICS alternate to take over now it might try to restart the wrong DBCTL. There would be no database integrity exposure but there might some loss of availability as well as operational inconvenience. It may be preferable to cancel the alternate and restart it, either manually or via an overseer.

Destination: Console

Module: DFHDBCT

XMEOUT Parameter: *applid*

DFHDX8327 *applid* **DBCTL state message lost owing to CAVM services failure.**

Explanation: The active CICS system was unable to report a change of DBCTL connection status to the overseer.

System Action: Processing continues.

User Response: Check for any other CICS messages relating to CAVM data set problems (DFH66*xx*).

Were the overseer to oversee a takeover now it might try to restart the wrong DBCTL. There would be no database integrity exposure but there might some loss of availability as well as operational inconvenience.

If the overseer is being used to control XRF takeovers then disconnecting and reconnecting to the DBCTL will cause a re-write of the status record.

Destination: Console

Module: DFHDBCT

XMEOUT Parameter: *applid*

DFHDX8328 *applid* **Unable to determine Jes affiliation of (***jobname***,** *jobid***).**

Explanation: CICS can offer full XRF support only if the DBCTL to which it is connected is running under the same JES as CICS itself.

System Action: The active CICS continues, but, in the event of failure, CICS will not attempt to restart DBCTL automatically.

User Response: It is recommended that DBCTL should be run under the same JES as the active CICS system.

The message indicates that either a system or set-up problem has occurred. If there is a system problem then message DFHDX8321 will also be displayed.

Destination: Console

Module: DFHDBCT

XMEOUT Parameters: *applid, jobname, jobid*

DFHDX8329 *applid* **Restart request after DBCTL failure ignored for reason X'***nn***'.**

Explanation: The user exit XXDFA requested a restart of DBCTL. This request has been ignored for the reason indicated by *nn*.

The reason code *nn* should be one of the following.

nn	**Meaning**
X'09'	There is no alternate DBCTL to be restarted.
X'10'	Possibly, the DBCTL subsystem is under a different JES from the active CICS system.
X'11'	The DBCTL subsystem was an IMS DB/DC system.

System Action: The active CICS continues as if the user exit had indicated 'no action'.

User Response: Check that the user exit is performing as intended and that the CICS and DBCTL systems have been set up with the correct options.

Destination: Console

Module: DFHDBCT

XMEOUT Parameters: *applid, X'nn'*

DFHDX8330 *applid* **IMS DB/DC region has requested XRF support.**

Explanation: This message is produced when CICS connects to an IMS system for which the user has requested XRF support (via the RST), but which is unable to participate in XRF. For example, in an IMS/DC system without the XRF option.

System Action: The system continues to run without XRF.

User Response: Either enable IMS/DC for XRF, or remove SSID from RST.

Destination: Console

Module: DFHDBCT

XMEOUT Parameter: *applid*

DFHDX8331 *applid* **CAVM message input service error** *xxxxxxxx***, X'***nn***',** *xxxxxxxx***.**

Explanation: The alternate CICS system task responsible for tracking the DBCTL connection status of the active CICS has received an error response from the CAVM message input service.

System Action: The tracking transaction terminates. No further action will be taken in response to DBCTL status changes. The global exits XXDFB and XXDTO will never be invoked and no attempt at a DBCTL restart will be made in the event of a takeover. An ADMA transaction dump is produced.

User Response: Check for any other messages relating to CAVM data set problems. In the event of a takeover it may be necessary to restart DBCTL manually.

Destination: Console

Module: DFHDBCR

XMEOUT Parameters: *applid, xxxxxxxx, X'nn', xxxxxxxx*

DFHDX8332I *applid* **Connection to** *xxxxxxxx* **notified after** *xxxxxxxx* **failure initiated takeover.**

Explanation: The alternate CICS system task responsible for tracking the DBCTL connection status of the active CICS has received a message from the CAVM message input service, after a takeover decision from the global user exit XXDFB has been accepted.

This problem is usually caused by a setup or an operational error.

System Action: The takeover continues. If the message is a notification of a successful connection, then the global user exit XXDTO may be driven.

User Response: In order for the active CICS system to reconnect to an element of the RSE, a DBCTL must have been restarted in the active CEC. Consequently, the alternate CICS will not be able to restart an element of the RSE in the alternate CEC without terminating this new active DBCTL.

The global user exit XXDTO will be driven as part of CICS takeover processing. This exit could be used to request a takeover of the DBCTL that was restarted in the active CEC.

Locate and correct any setup or operational errors.

Destination: Console

Module: DFHDBCR

XMEOUT Parameters: *applid, xxxxxxxx, xxxxxxxx*

DFHDX8333 *applid* **Unrecognized message type** *xxxxxxxx* **received by DBCTL tracking task.**

Explanation: The alternate CICS system task responsible for tracking the DBCTL connection status of the active CICS has received an unrecognized message from the CAVM message input service.

System Action: The tracking transaction terminates. No further action will be taken in response to DBCTL status changes. The global exits XXDFB and XXDTO will never be invoked and no attempt at a DBCTL restart will be made in the event of a takeover. An ADMB transaction dump is produced. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: In the event of a takeover it may be necessary to restart DBCTL manually.

Destination: Console

Module: DFHDXCU

XMEOUT Parameters: *applid, xxxxxxxx*

DFHDX8334 *applid* **Error detected in** *xxxxxxxx* **for reason** *nn***.**

Explanation: The alternate CICS system task responsible for tracking the DBCTL connection status of the active CICS has detected an invalid recovery service table (RST) during processing of a CICS|DBCTL failure.

nn may be one of the following.

nn	**Meaning**
01	The CICS SVC detected an error in the RST. Refer to the accompanying DFHXG64*xx* or DFHXA65*xx* message for the reason for the error.
02	The RST could not be loaded by the XRF/DBCTL tracking task, or the XRF/DBCT tracking task detected that the RST was invalid.
03	The CICS SVC detected an error in the RST during initialization. Refer to the accompanying DFHXG64*xx* or DFHXA65*xx* message for the reason for the error.
04	The CICS SVC detected an error in the RST during connect time. Refer to the accompanying DFHXG64*xx* or DFHXA65*xx* message for the reason for the error.

System Action: The tracking transaction continues as if no XRF support had been requested via the RST for the connected DBCTL.

User Response: In the event of a takeover it may be necessary to restart DBCTL manually. When the failure is detected during the initialization of the XRF/DBCTL tracking task the RST should be assembled and link-edited to resolve the problem.

Destination: Console

Module: DFHDBCR

XMEOUT Parameters: *applid, xxxxxxxx, nn*

DFHDX8335 *applid* **Unable to complete search for DBCTL alternate.**

Explanation: The alternate CICS system task responsible for tracking the DBCTL connection status of the active CICS has been unable to complete its search for a DBCTL alternate, possibly due to an unexpected return code from an IEFSSREQ request.

System Action: The tracking transaction continues as if no DBCTL alternate had been found. An ADMD transaction dump will be produced.

User Response: In the event of a takeover it may be necessary to restart DBCTL manually.

Destination: Console

Module: DFHDBCR

XMEOUT Parameter: *applid*

DFHDX8336 *applid* **Unable to provide DBCTL/XRF support for reason: X'***nn***'.**

Explanation: The user exit XXDFB or XXDTO requested a restart of DBCTL. This request has been ignored for the reason indicated by the value of *nn*.

n may be one of the following.

nn	**Meaning**
X'46'	No valid RST was found. Refer to DFHDX8334.
X'50'	DBCTL subsystem is an IMS DB/DC system.
X'51'	There is no alternate DBCTL to be restarted.
X'52'	The DBCTL subsystem is, or may be, under a different JES from the active CICS system.
X'53'	The active CICS system has already attempted a restart of DBCTL.

System Action: The alternate CICS continues as if the user exit had indicated ‘no action’.

User Response: Check that the user exit is performing as intended and that the CICS and DBCTL systems have been set up with the correct options.

Destination: Console

Module: DFHDBCR

XMEOUT Parameters: *applid, X'nn'*

DFHDX8337 *applid* **Takeover request rejected by CAVM, reason code X'***nn***'.**

Explanation: The user exit XXDFB requested a takeover as a result of a DBCTL failure, but the CAVM rejected the takeover request.

System Action: The alternate CICS continues as if the user exit had indicated ‘no action’.

User Response: Check that the user exit is performing as intended and that the CICS and DBCTL systems have been set up with the correct options. The message indicates that a CICS internal error has occurred, normally as a result of an earlier problem. It may be necessary to initiate a manual CICS takeover.

Destination: Console

Module: DFHDBCR

XMEOUT Parameters: *applid, X'nn'*

DFHDX8338 *applid* **Unable to issue** *command* **command to** *subsysid* **for reason X'***nn***'.**

Explanation: The user exit XXDFB/XXDTO issued a restart request to the DBCTL/XRF tracking task, the task was unable to process the request for the reason indicated in the message.

The issued command should either be a switch system backup command or an ERE command.

The reason code X'*nn*' should be one of the following.

nn	**Meaning**
X'09'	MVS GETMAIN failure
X'10'	MVS ATTACH failure.

System Action: The takeover continues.

User Response: Restart the DBCTL subsystem manually.

Destination: Console

Module: DFHDBCR

XMEOUT Parameters: *applid, command, subsysid, X'nn'*

DFHDX8339 *applid command* **command issued unsuccessfully to** *subsysid* **for reason X'***nn***'.**

Explanation: The DBCTL/XRF tracking task issued a restart command (either switch or ERE) to an alternate DBCTL subsystem but the request was rejected for reason *nn*.

XXDFA or XXDTO requested CICS takeover with DBCTL. The error was detected when the request was made.

System Action: The takeover continues.

User Response: Restart the DBCTL subsystem manually.

Destination: Console

Module: DFHDBCR

XMEOUT Parameters: *applid, command, subsysid, X'nn'*

DFHDX8340 *applid* **DBCTL tracking task started in an invalid environment reason** *X'nn'***.**

Explanation: The alternate CICS system task responsible for tracking the DBCTL connection status of the active CICS has been started in an environment which does not support DBCTL/XRF.

Reason code X'*nn*' may be one of the following.

nn	**Meaning**
X'65'	XRF=NO specified in the SIT.
X'67'	CICS system is running as active.
X'69'	MVS GETMAIN failure.

System Action: The tracking transaction terminates. No further action will be taken in response to DBCTL status changes. The global exits XXDFB and XXDTO will never be invoked and no attempt at a DBCTL restart will be made in the event of a takeover.

User Response: The user response depends on the reason code issued.

For reasons X'65' and X'67', there is a possible error in CICS code. In this case you will need further assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

For reason X'69', specify a smaller overall size limit for the EDSAs.

Destination: Console

Module: DFHDBCR

XMEOUT Parameters: *applid, X'nn'*

DFHDX8341I *applid* **Takeover request accepted.**

Explanation: The DBCTL/XRF tracking task issued a takeover request due to a request from user exit XXDFB. The request has been accepted.

System Action: The takeover continues.

User Response: None. You can suppress this message with the system initialization parameter MSGLVL = 0.

Destination: Console

Module: DFHDBCR

XMEOUT Parameter: *applid*

DFHDX8342I *applid* **Restart command issued successfully.**

Explanation: The DBCTL/XRF tracking task issued a restart command to an alternate DBCTL subsystem due to a request from user exit XXDFB/XXDTO. The request was issued successfully.

System Action: Takeover continues.

User Response: None. You can suppress this message with the system initialization parameter MSGLVL = 0.

Destination: Console

Module: DFHDBCR

XMEOUT Parameter: *applid*

DFHEMxxxx messages

DFHEM0001 *applid* **An abend (code** *aaa/bbbb***) has occurred at offset** *X'offset'* **in module** *modname***.**

Explanation: An abnormal end (abend) or program check has occurred in module *modname*. This implies that there may be an error in the CICS code. Alternatively, unexpected data has been input, or storage has been overwritten.

The code *aaa/bbbb* is a 3-digit hexadecimal MVS code (if applicable), followed by a 4-digit alphanumeric CICS code. The MVS code is a system completion code (for example, 0C1 or D37). If an MVS code is not applicable, this field is filled with three hyphens. The CICS code is an abend code or a number referring to a CICS message (for example, AKEA is a CICS abend code; 1310 refers to message DFHTS1310).

System Action: An exception entry is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS continues unless you have specified in the dump table that CICS should terminate. If appropriate, an error return code is sent to the caller of this domain. In this case CICS could be terminated by the caller (for example, the domain manager, DFHDMDM). A message is issued to this effect.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Notify the system programmer. If CICS is still running, it is necessary to decide whether to terminate CICS.

Look up the MVS code, if there is one, in the relevant MVS codes manual.

Next, look up the CICS alphanumeric code. This tells you, for example, whether the error was a program check, an abend, or a

runaway, and may give you some guidance concerning user response.

If module *modname* is not crucial to the running of your CICS system, you may decide to continue to run and bring CICS down at a convenient time to resolve the problem.

If you cannot run without the full use of module *modname* you should bring CICS down in a controlled shutdown.

You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Modules: DFHEMDM, DFHEMEM.

XMEOUT Parameters: *applid, aaa/bbbb, X'offset', modname*

DFHEM0002 *applid* **A severe error (code** *X'code'***) has occurred in module** *modname***.**

Explanation: An error has been detected in module *modname*. The code X'*code*' is the exception trace point ID which uniquely identifies what the error is and where the error was detected.

System Action: An exception entry (code X'*code*' in the message) is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS continues unless you have specified in the dump table that CICS should terminate. If appropriate, an error return code is sent to the caller of this domain. In this case, CICS could be terminated by the caller (for example, the domain manager, DFHDMDM). A message is issued to this effect.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: This indicates a possible error in CICS code. The severity of its impact depends on the importance of the function being executed at the time of the error.

CICS may not have been terminated. If the message occurs once and module *modname* is not crucial to the running of your CICS system, you may decide to continue to run and bring CICS down at a convenient time to resolve the problem.

If the message recurs or if you cannot run without the full use of module *modname*, you should bring CICS down in a controlled shutdown.

You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Modules: DFHEMDM, DFHEMEM.

XMEOUT Parameters: *applid, X'code', modname*

DFHEM0100I *applid* **Event Manager initialization has started.**

Explanation: This is an informational message indicating the start of event manager domain initialization.

System Action: Initialization continues.

User Response: None. You can suppress this message with the system initialization parameter, MSGLVL=0.

Destination: Console

Module: DFHEMDM

XMEOUT Parameter: *applid*

DFHEM0101I *applid* **Event Manager initialization has ended.**

Explanation: Event manager domain initialization has completed successfully

System Action: Initialization continues.

User Response: None. You can suppress this message with the system initialization parameter, MSGLVL=0.

Destination: Console

Module: DFHEMDM

XMEOUT Parameter: *applid*

DFHERxxxx messages

DFHER2813I *applid* **Program DFHRCEX cannot be found**

Explanation: CICS cannot find DFHRCEX in any data set concatenated in the DFHRPL DD statement in the CICS startup job stream.

System Action: CICS terminates abnormally with a dump.

User Response: To correct this error, place DFHRCEX in a partitioned data set in the DFHRPL DD statement.

Destination: Console

Modules: DFHTCBP, DFHUSBP

XMEOUT Parameter: *applid*

DFHER5730 *applid* **User recovery beginning**

Explanation: During warm or emergency restarts CICS issues this message when it is about to start processing records from the system log.

System Action: If the global user exit XRCINIT is enabled, it is invoked with an indication that this is the initial call. Processing continues.

User Response: None.

Destination: Console

Module: DFHAPRC

XMEOUT Parameter: *applid*

DFHER5731 *applid* **No active user records on the system log**

Explanation: During warm or emergency restarts CICS issues this message when it has completed its scan of the system log and has found no active user journal records. Active user journal records are those written to the system log by one of the following:

- A unit of work that was in flight or in doubt when the preceding CICS system terminated.
- An application request in which the high order bit of the JTYPEID value was set to 1 (provided that the record lies within the compass of the restart system log scan).
- The XAKUSER global user exit during the last completed activity keypoint.

If there are such active user journal records, they are presented to the global user exit XRCINPT and this message is not issued.

System Action: Processing continues.

User Response: None.

Destination: Console

Module: DFHAPRC

XMEOUT Parameter: *applid*

DFHER5732 *applid* **User recovery completed**

Explanation: During warm or emergency restarts CICS issues this message when it has finished processing records from the system log. Any active user journal records have by now been presented to the global user exit XRCINPT. Active user journal records are those written to the system log by one of the following:

- A unit of work that was in flight or in doubt when the preceding CICS system terminated.
- An application request in which the high order bit of the JTYPEID value was set to 1 (provided that the record lies within the compass of the restart system log scan).
- The XAKUSER global user exit during the last completed activity keypoint.

System Action: If the global user exit XRCINIT is enabled, it is invoked with an indication that this is the final call. Processing continues.

User Response: None.

Destination: Console

Module: DFHAPRC

XMEOUT Parameter: *applid*

DFHEXxxxx messages

DFHEX0001 An abend (code *aaa/bbbb***) has occurred in module** *modname***.**

Explanation: An unexpected program check or abend *aaa/bbbb* has occurred in module *modname*. This implies that there may be an error in external CICS interface code.

Alternatively, unexpected data has been passed on an external CICS interface call or storage has been overwritten.

The code *aaa/bbbb* is, if applicable, a 3-digit hexadecimal MVS system completion code *aaa* (for example, 0C1 or D37). If an MVS code is not applicable, this field is filled with three hyphens. The 4-digit code *bbbb*, which follows *aaa* is, if applicable, a user abend code produced by the external CICS interface. If the user abend code is not applicable, this field is filled with four hyphens.

System Action: An exception entry is made in the external CICS interface internal trace table, and to the GTF trace dataset (if GTF is active), and a SYSMDUMP is taken.

The external CICS interface terminates the current request, and attempts to recover to a consistent state so that further EXCI requests can be serviced. For an application using the EXCI CALL API, a response of EXCI_SYSTEM_ERROR with a REASON of ESTAE_INVOKED is returned to the application. For an application using the EXCI EXEC API, an EXEC_RESP of LINKERR is returned to the application, together with an EXEC_RESP2 of ESTAE_INVOKED or EXEC_ESTAE_INVOKED, depending on whether the call level ESTAE routine, or the EXEC level ESTAE routine was invoked.

User Response: Look up the MVS code *aaa*, if there is one, in the relevant MVS codes manual which is detailed in the book list in the front of this manual.

If applicable, see the description of abend code *bbbb* for further guidance.

You may need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Modules: DFHXCPRH, DFHXCEIP

DFHEX0002 A severe error (code *X'code'***) has occurred in module** *modname***.**

Explanation: An error has been detected in module *modname*. The code X'*code*' is the exception trace point ID which uniquely identifies what the error is and where the error was detected.

System Action: An exception entry is made in the EXCI internal trace table and to GTF if it is active, (X'*code*' in the message). A system dump is taken.

This is a critical error and the EXCI request is terminated. The external CICS interface attempts to recover to a consistent state so that further EXCI requests can be issued. For applications using the EXCI CALL API, the EXCI_REASON returned to the application indicates the reason for the error. For applications using the EXCI EXEC API, the reason is returned in the EXEC_RESP2 field of the RETCODE area.

User Response: This failure indicates a serious error in the external CICS interface code. For further information about the EXCI exception trace entries, refer to the *CICS Problem Determination Guide*.

You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Modules: DFHXCPRH, DFHXCEIP

DFHEX0003 A GETMAIN request in module *modname* **(code** *X'code'***) has failed. Reason** *X'rc'***.**

Explanation: An MVS GETMAIN was issued by module *modname*, but it failed with return code *rc*.

The code X'*code*' is the exception trace point ID which uniquely identifies the place where the MVS GETMAIN was issued.

System Action: An exception entry is made in the EXCI internal trace table (code X'*code*' in the message). This is a critical error and the EXCI request is terminated. The external CICS interface attempts to recover to a consistent state so that further EXCI requests can be issued.

For applications using the EXCI CALL API, the EXCI_REASON returned to the application indicates the point of failure.

For applications using the EXCI EXEC API, the point of failure is returned in the EXEC_RESP2 field of the RETCODE area.

For EXCI_REASON and EXCI_RESP of 603, the EXCI module DFHXCPRH also issues abend 0410 which drives the ESTAE exit. Message DFHEX0001 is issued and a SYSMDUMP is taken

User Response: Look up the MVS GETMAIN return code *rc* in the relevant MVS codes manual.

If the reason is insufficient storage, try increasing the size of the region for the batch EXCI job.

You may need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Modules: DFHXCPRH, DFHXCTRI

DFHEX0100 The installed level of CICS SVC does not support the EXCI call.

Explanation: The external CICS interface module DFHXCPRH detected that the level of CICS SVC (DFHCSVC) in use does not support the external CICS interface.

System Action: The EXCI request is terminated. An exception trace is made in the EXCI internal trace table, and if GTF is active, in the GTF trace data set. The external CICS interface module DFHXCPRH issues abend 0407 which drives the ESTAE exit. Message DFHEX0001 is issued, and a SYSMDUMP is taken.

User Response: Check the level of DFHCSVC installed in the LPA. A CICS/ESA 4.1 level of DFHCSVC is required for the external CICS interface. Generally, the latest level of DFHCSVC must be used when running CICS and the external CICS interface. For more information about installing DFHCSVC see the *CICS Transaction Server for OS/390 Installation Guide*.

Destination: Console

Module: DFHXCPRH

DFHEX0101 Unable to start interregion communication because DFHIRP level check failed.

Explanation: The call to DFHIRP to check DFHIRP's service level has failed.

This is probably because the version of DFHIRP being used is at a lower level than that of the External CICS Interface (EXCI) module DFHXCPRH. A less likely reason is that a failure occurred before DFHIRP could make the level check.

System Action: The EXCI allocate pipe request is rejected. A return code is passed back to the batch application.

User Response: Ensure that the correct level of DFHIRP exists in the LPA such that it matches the level of the latest CICS version in use.

Destination: Console

Module: DFHXCPRH

DFHEX0110 EXCI SDUMP has been taken. Dumpcode: *dumpcode*, Dumpid: *dumpid*.

Explanation: This message is issued on successful completion of a MVS SDUMP issued by external CICS interface module DFHXCDMP. An error, signalled by a previous message, caused a call to be made to DFHXCDMP to take a system dump.

The dump code *dumpcode* is an 8-character system dump code identifying the external CICS interface problem. A system dump code is the EXCI message number with the DFH prefix removed.

dumpid is the unique 9-character string identifying this dump.

System Action: The EXCI request is terminated.

User Response: See the EXCI message indicated by *dumpcode* for further guidance.

You may need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Module: DFHXCDMP.

DFHEX0111 EXCI SDUMP attempted but SDUMP is busy - will retry every five seconds for *nnnn* seconds.

Explanation: At the time of the MVS SDUMP request issued by DFHXCDMP another address space in the same MVS system was in the process of taking an SDUMP. This causes MVS to reject the new request. A nonzero value for the dump retry parameter in the DFHXCOPT table means that the external CICS interface waits five seconds before retrying the SDUMP request. If necessary, the external CICS interface retries every five seconds for the total time specified on the retry parameter.

System Action: The external CICS interface issues an MVS STIMERM macro which causes it to wait for five seconds. The request is reissued when the delay interval has expired.

User Response: None.

Destination: Console

Module: DFHXCDMP.

DFHEX0112 SDUMP request failed - *reason X'nn'*.

Explanation: An MVS SDUMP request issued from the external CICS interface has failed to complete successfully. The possible reasons, (*reason*) for the failure are as follows:

ONLY PARTIAL DUMP
: The SYS1.DUMP data set to which the dump is written is not large enough to contain all of the dumped storage.

SDUMP BUSY
: At the time of the MVS SDUMP request issued by the EXCI, another address space in the same MVS system was in the process of taking an SDUMP. This causes MVS to reject the new request. If a nonzero value is specified for the dump retry parameter in DFHXOPTS table, the EXCI has retried the SDUMP request every five seconds for the specified period. This message is only issued if SDUMP is still busy after the final retry.

STIMERM FAILED
: In order to delay for five seconds before retrying SDUMP after an SDUMP BUSY condition, the EXCI issues an MVS STIMERM macro request. MVS has indicated that the STIMERM request has failed.

NO DATA SET AVAILABLE
: No SYS1.DUMP data sets were available at the time the SDUMP request was issued.

REJECTED BY MVS, REASON = X'nn'
: MVS has rejected the SDUMP request because of user action (for example, specifying DUMP=NO in the MVS IPL) or because of an I/O error or terminating error in the SDUMP routine. X'nn' is the SDUMP reason code.

NOT AUTHORIZED FOR EXCI
: SDUMP is not authorized for the external CICS interface.

INSUFFICIENT STORAGE
: The EXCI issued an MVS GETMAIN for subpool 253 storage during the processing of the SDUMP request. The GETMAIN has been rejected by MVS.

System Action: The EXCI proceeds as if the dump had been successful.

User Response: The user response depends on the reasons, (*reason*), for the failure.

ONLY PARTIAL DUMP
: Increase the size of the SYS1.DUMP data sets and cause the SDUMP request to be reissued.

SDUMP BUSY
: Cause the SDUMP to be reissued after, if appropriate, increasing the dump retry time in DFHXCOPT.

STIMERM FAILED
: Use MVS problem determination methods to fix the STIMERM failure and then cause the SDUMP request to be reissued.

NO DATA SET AVAILABLE
: Clear a SYS1.DUMP data set and then cause the SDUMP request to be reissued.

REJECTED BY MVS, REASON = X'nn'
: No action is required if the dump is suppressed deliberately. If the dump has failed because of an error in the MVS SDUMP routine, use MVS problem determination methods to fix the error and then cause the SDUMP request to be reissued. See the *OS/390 MVS Programming: Authorized Assembler Services Reference*. for an explanation of the SDUMP reason code X'nn'.

NOT AUTHORIZED FOR EXCI
: This reason is unlikely because SDUMP is unconditionally authorized during EXCI initialization, and should be authorized throughout the EXCI run. If you do get this reason, the EXCI AFCB (authorized function control block) has probably been accidentally overwritten.

INSUFFICIENT STORAGE
: Ensure sufficient storage is available to MVS for subpool 253 requests.

Destination: Console

Module: DFHXCDMP

DFHEX0113 EXCI trace Initialization has failed.

Explanation: An attempt to initialize external CICS interface (EXCI) trace facilities during EXCI initialization has failed.

System Action: The EXCI request continues without trace facilities. An earlier message identifies the cause of the failure.

User Response: Refer to the earlier message to determine the cause of the failure.

Destination: Console

Module: DFHXCTRI

DFHEX0114 Incorrect data has been passed for EXCI tracing causing a program check in DFHXCTRP.

Explanation: Some data passed to the external CICS interface (EXCI) trace module DFHXCTRP for addition to the EXCI internal trace table, or GTF trace, caused a program check to occur when an attempt was made to access it.

The most likely cause of this error is incorrect data passed on an EXCI CALL API request that the trace program DFHXCTRP is attempting to access.

System Action: The EXCI request is terminated and a SYSMDUMP is taken.

User Response: Examine the dump to determine the source of the incorrect data.

You may need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Module: DFHXCTRI

DFHEX0115 EXCI trace services have been disabled due to a previous error.

Explanation: An error occurred in the external CICS interface (EXCI) trace module DFHXCTRP indicated by message DFHEX0001. In trying to recover from the error, module DFHXCTRI determined that the error was not caused by accessing incorrect data passed to DFHXCTRP, but was due to a program check in DFHXCTRP.

System Action: The EXCI trace facilities are disabled to prevent further errors. A SYSMDUMP is taken.

User Response: See the DFHEX0001 message and the SYSMDUMP to determine the cause of the error.

You may need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Module: DFHXCTRI

DFHEX0116 Program check occurred within global trap exit - DFHXCTRA now marked unusable.

Explanation: After making a trace entry, the external CICS interface (EXCI) trace program DFHXCTRP called the EXCI field engineering global trap program DFHXCTRA. A program check occurred during execution of DFHXCTRA.

System Action: The EXCI marks the currently active version of DFHXCTRA as unusable and ignores it on subsequent calls to DFHXCTRP for all subsequent calls made under this TCB. The EXCI request is terminated, and a SYSMDUMP is taken.

User Response: Use the dump to find the cause of the program check.

You may need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

You should use the global trap exit only in consultation with an IBM support representative.

Destination: Console

Module: DFHXCTRI

DFHFCxxxx messages

Note: In cases where standard message inserts such as *opid* or *termid* are undefined or cannot be determined, the inserts are replaced by dashes.

DFHFC0001 *applid* **An abend (code** *aaa/bbbb***) has occurred at offset** *X'offset'* **in module** *modname***.**

Explanation: An abnormal end (abend) or program check has occurred in module *modname*. This implies that there may be an error in CICS code.

Alternatively,

- Unexpected data has been input, or
- Storage has been overwritten.

The code *aaa/bbbb* is a three digit hexadecimal MVS code (if applicable), followed by a four digit alphanumeric CICS code. The MVS code is a system completion code (for example, 0C1 or D37). If an MVS code is not applicable, this field is filled with three

hyphens. The CICS code is an abend code or a number referring to a CICS message (for example, AKEA is a CICS abend code; 1310 refers to message DFHTS1310).

System Action: An exception entry is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS continues unless you have specified in the dump table that CICS should terminate.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Notify the system programmer. If CICS is still running, it is necessary to decide whether to terminate CICS.

Look up the MVS code, if there is one, in the relevant MVS codes manual which is detailed in the book list in the front of this manual.

Then look up the CICS alphanumeric code. This tells you, for example, whether the error was a program check, an abend, or a runaway, and may give you some further guidance.

If module *modname* is not crucial to the running of your CICS system, you may decide to continue to run and bring CICS down at a convenient time to resolve the problem.

If you cannot run without the full use of module *modname*, you should bring CICS down in a controlled shutdown.

You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Modules: DFHEFRM, DFHFCAT, DFHFCCA, DFHFCDN, DFHFCDTS, DFHFCDTX, DFHFCES, DFHFCFL, DFHFCFR, DFHFCFS, DFHFCIR, DFHFCLF, DFHFCLJ, DFHFCMT, DFHFCQI, DFHFCQR, DFHFCQS, DFHFCQU, DFHFCRC, DFHFCRL, DFHFCRO, DFHFCRP, DFHFCRR, DFHFCRS, DFHFCSD, DFHFCST, DFHFCVR, DFHFCVS

XMEOUT Parameters: *applid, aaa/bbbb, X'offset', modname*

DFHFC0002 *applid* **A severe error (code** *X'code'***) has occurred in module** *modname***.**

Explanation: An error has been detected in module *modname*. The code *code* is the exception trace point ID which uniquely identifies what the error is and where the error was detected.

To discover the cause of the problem, examine the exception trace entry and immediately preceding entries. For further information about CICS exception trace entries, see the *CICS Problem Determination Guide*.

System Action: An exception entry (code *code* in the message) is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Inform the system programmer. This indicates a possible error in CICS code. The severity of its impact depends on the importance of the function being executed at the time of the error.

CICS may not have been terminated.

If the message occurs once and module *modname* is not crucial to the running of your CICS system, you may decide to continue to run and bring CICS down at a convenient time to resolve the problem.

If the message recurs or if you cannot run without the full use of module *modname* you should bring CICS down in a controlled shutdown.

You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Modules: DFHEFRM, DFHFCAT, DFHFCCA, DFHFCDN, DFHFCDTS, DFHFCDTX, DFHEIFC, DFHFCES, DFHFCFL, DFHFCFR, DFHFCFS, DFHFCIR, DFHFCLF, DFHFCLJ, DFHFCMT, DFHFCOR, DFHFCQI, DFHFCQR, DFHFCQS, DFHFCQU, DFHFCRC, DFHFCRD, DFHFCRL, DFHFCRO, DFHFCRP, DFHFCRR, DFHFCRS, DFHFCSD, DFHFCST, DFHFCVR, DFHFCVS

XMEOUT Parameters: *applid, X'code', modname*

DFHFC0003 *applid* **Insufficient storage (code** *X'code'***) in module** *modname***.**

Explanation: A CICS GETMAIN was issued by module *modname*, but there was insufficient storage available to satisfy the request.

The code X' *code*' is the exception trace point ID which uniquely identifies the place where the error was detected.

System Action: An exception entry is made in the trace table (code *code* in the message). A system dump is taken, unless you have specifically suppressed dumps in the dump table. CICS continues unless you have specified in the dump table that CICS should terminate.

If appropriate, an error return code is sent to the caller of this domain. In this case, CICS could be terminated by the caller (for example, the domain manager, DFHDMDM). A message is issued to this effect.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Inform the system programmer. If CICS has been terminated by another module, look out for the relevant termination messages (from the domain manager, for example), and look up the user response for these messages.

If CICS is still running, the problem may be a temporary one which rights itself if more storage becomes available. If you can manage without module *modname*, you may decide to continue and bring CICS down at a convenient time to resolve the problem.

If the message recurs or if you cannot run without the full use of all CICS modules, you should bring CICS down in a controlled shutdown.

Try increasing the size limits of the DSAs or EDSAs. See the *CICS System Definition Guide* or the *CICS Performance Guide* for further information on CICS storage.

Destination: Console

Module: DFHFCRP

XMEOUT Parameters: *applid, X'code', modname*

DFHFC0004 *applid* **A possible loop has been detected at offset** *X'offset'* **in module** *modname***.**

Explanation: A CICS function is taking more time to process than CICS expects. A possible loop has been detected in module *modname* at offset X'*offset*'. This is the offset of the instruction which was executing at the time the error was detected.

System Action: An exception entry is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table. CICS continues unless you have specified in the dump table that CICS should terminate.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Notify the system programmer. If CICS has not been terminated, it is necessary to decide whether the problem is serious enough to bring CICS down.

Since some CICS functions can use a lot of CPU time, this message may have been caused by a long-running function. So there may not be an error here. Usually, CICS purges a CICS function which exceeds the runaway task time interval which you have specified in the SIT (this is the ICVR which is measured in milliseconds). This means that module *modname* is terminated and CICS continues.

But if you have declared ICVR=0 as a system initialization parameter and you consider that module *modname* has gone into a loop, you have to terminate CICS in order to terminate the runaway function.

If CICS has terminated module *modname*, and you consider that it was not a runaway, increase the ICVR time interval in the SIT. You have to bring CICS down at a suitable time to do this permanently. But you can change the ICVR time interval temporarily online, using the CEMT transaction.

If raising the ICVR time does not solve the problem, you will require further assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Modules: DFHEFRM, DFHFCAT, DFHFCDN, DFHFCDTS, DFHFCDTX, DFHFCFR, DFHFCFS, DFHFCMT, DFHFCRL, DFHFCRP, DFHFCSD, DFHFCST, DFHFCVR, DFHFCVS

XMEOUT Parameters: *applid, X'offset', modname*

DFHFC0005 *applid* **A hardware error has occurred (module** *modname***, code** *X'code'***). The Time-of-Day clock is invalid.**

Explanation: A hardware error has occurred during the running of module *modname*. The MVS store clock facility is the timing mechanism for the operating system.

The code *code* is the exception trace point ID which uniquely identifies the place where the error was detected.

System Action: An exception entry (code *code* in the message) is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table. CICS continues unless you have specified in the dump table that CICS should terminate. If appropriate, an error return code is sent to the caller of this domain. In this case, CICS could be terminated by the caller (for example, the domain manager, DFHDMDM). A message to this effect is issued.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Notify the system programmer. This is in all probability a hardware error and you should in the first instance investigate the MVS store clock and find out whether it is working properly. If this is the cause, you should take the appropriate action to have it repaired or replaced.

In the unlikely event that this is not a hardware problem, you will require further assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Module:

XMEOUT Parameters: *applid, modname, X'code'*

DFHFC0100I *applid* **File Control initialization has started.**

Explanation: This is an informational message indicating the start of file control initialization.

System Action: Initialization continues.

User Response: None. You can suppress this message with the system initialization parameter, MSGLVL=0.

Destination: Console

Module: DFHFCRP

XMEOUT Parameter: *applid*

DFHFC0101I *applid* **File Control initialization has ended.**

Explanation: File control initialization has completed successfully.

System Action: Initialization continues.

User Response: None. You can suppress this message with the system initialization parameter, MSGLVL=0.

Destination: Console

Module: DFHFCRP.

XMEOUT Parameter: *applid*

DFHFC0102 *applid* **File Control initialization has failed.**

Explanation: File control has failed to initialize correctly.

System Action: Message DFHSI1521 is usually issued and initialization is terminated.

If the failure occurred at a critical stage during file control initialization, CICS initialization is terminated immediately with a dump, and message DFHSI1521 is not issued.

User Response: The error can be identified by a trace entry, and possibly by a prior message. You should then take action that is appropriate to the error.

Destination: Console

Module: DFHFCRP

XMEOUT Parameter: *applid*

DFHFC0103 *applid* **Required module** *modname* **could not be loaded.**

Explanation: Module *modname* is required by file control. It could not be loaded because it is missing from the DFHRPL library list.

System Action: The system terminates with a system dump and code FC0103.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Ensure that module *modname* is in the DFHRPL library list.

If this is not the cause of the problem you will require further assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Modules: DFHFCIN1, DFHFCRP, DFHFCFS

XMEOUT Parameters: *applid, modname*

DFHFC0104 *applid* **Unexpected catalog error.**

Explanation: File control issued a request to the catalog (CC) domain which failed. This is probably caused by an I/O error on the catalog.

System Action: A system dump is produced with code FC0104.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Determine the cause of the error from the messages issued from the catalog domain.

Destination: Console

Module: DFHFCRP

XMEOUT Parameter: *applid*

DFHFC0105 *applid* **Entry for file** *filename* **cannot be located in the CICS catalog.**

Explanation: During file control initialization, an error occurred either while the table manager was linking the AFCT entries to the FCT entries, or while the table manager was searching for the FCTs in order to connect them to the dsname blocks.

System Action: CICS initialization is abnormally terminated and a trace entry is made.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Investigate why the catalog has no FCT entry. If this is not the cause of the problem, determine why the FCT could not be found.

Destination: Console

Module: DFHFCRP

XMEOUT Parameters: *applid, filename*

DFHFC0106 *applid* **Insufficient storage to satisfy GETMAIN request in module** *modname***.**

Explanation: The storage (SM) domain has insufficient space to satisfy a GETMAIN request made during CICS initialization.

System Action: A system dump is produced.

User Response: None.

Destination: Console

Module: DFHFCRP

XMEOUT Parameters: *applid, modname*

DFHFC0107D *applid* **Unable to load File Control table DFHFCT***xx***. Enter either an alternative suffix, or 'YES', or 'NO'.**

Explanation: The file control table, DFHFCT*xx* could not be found in the DFHRPL library list during a cold or initial start of CICS.

System Action: File control initialization waits for a reply to this message.

User Response: Reply as follows:

- With a 1 or 2 character suffix to cause file control to load DFHFCT*xx*, or
- YES to load an unsuffixed FCT, or
- NO to initialize file control without an FCT.

Destination: Console

Module: DFHFCRP

XMEOUT Parameters: *applid, xx*

DFHFC0108 *applid* **Invalid reply to message DFHFC0107D. A 1 or 2 character suffix, or YES or NO is required**

Explanation: The reply to message DFHFC0107 was invalid. The reply may have been too long or may have contained invalid characters.

System Action: Message DFHFC0107 is reissued and initialization waits for a reply.

User Response: Reply to message DFHFC0107.

Destination: Console

Module: DFHFCRP

XMEOUT Parameter: *applid*

DFHFC0110 *applid* **Error, a** *xxxx* **version of** *DFHFCTxx* **has been loaded.**

Explanation: DFHFCRP loaded DFHFCT*xx* that was assembled for CICS release *xxxx*. It is not valid to run CICS with an FCT assembled against a previous release.

System Action: File control initialization, and hence CICS, is terminated.

User Response: Reassemble DFHFCT*xx* for the CICS release being used. Cold start CICS.

Destination: Console

Module: DFHFCRP

XMEOUT Parameters: *applid, xxxx, DFHFCTxx*

DFHFC0111 *applid* **Error, CICS is attempting to initialize with release** *xxxx* **of DFP.**

Explanation: DFHFCRP detected that CICS was being initialized with data facility product (DFP) level *xxxx*. CICS does not support this level of DFP.

System Action: File control initialization, and hence CICS, is terminated.

User Response: Install a level of DFP supported by this release of CICS.

Destination: Console

Module: DFHFCRP

XMEOUT Parameters: *applid, xxxx*

DFHFC0112 *applid* **Install of remote FCT entry** *filename* **failed. SYSID** *sysid***, specified in the entry, is the local SYSID.**

Explanation: DFHFCRP attempted to install file *filename* from the assembled FCT. The install failed because the file was defined as TYPE=REMOTE but the SYSIDNT specified, *sysid*, was the system identifier of this local system.

System Action: File *filename* is not installed and file control initialization continues.

User Response: Examine the entry for *filename* in the FCT and either make the entry a local entry (TYPE=FILE) or correct the SYSIDNT specified.

Destination: Console

Module: DFHFCRP

XMEOUT Parameters: *applid, filename, sysid*

DFHFC0116 *applid* **The load of callable service IGWARLS has failed with return code** *X'eeee'***.**

Explanation: Callable service IGWARLS is required by file control for processing files which have update SERVREQs and are using the VSAM catalog as a repository for data set recovery attributes. The load of IGWARLS requested by file control initialization has failed. This is a serious problem because CICS is using a level of VSAM that supports use of the VSAM catalog for specifying data set recovery attributes.

System Action: CICS initialization fails.

User Response: IGWARLS is supplied on SYS1.CSSLIB. Ensure that SYS1.CSSLIB is in the concatenation for the MVS linklist or LPA. If the failure persists, this is likely to be an internal CICS error. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Module: DFHFCRP

XMEOUT Parameters: *applid, X'eeee'*

DFHFC0118 *applid* **System initialization parameter requesting RLS support has been ignored because the level of VSAM does not support RLS.**

Explanation: RLS=YES has been specified on CICS startup but the level of VSAM does not support RLS access.

System Action: CICS initialization continues without RLS support.

User Response: If you intend to use RLS access ensure that the level of VSAM is DFSMS 1.3 or later.

Destination: Console

Module: DFHFCRP

XMEOUT Parameter: *applid*

DFHFC0150 *date time applid termid tranid* **An attempt to release locks for unit of work** *X'uowid'* **failed. VSAM return code** *X'rrrr'* **reason code** *X'cccc'***.**

Explanation: Unit of work *uowid* for tranid *tranid* has attempted to release its RLS locks. The release locks request made to VSAM has failed because VSAM detected an error.

The IDALKREL response is *rrrr* and the reason code is *cccc*.

termid identifies the terminal running this transaction.

System Action: CICS continues with the completion of the unit of work.

The unit of work is shunted. The shunt reason indicates that a further release locks attempt is required.

Some records may remain locked until a successful lock release command can be processed by VSAM.

If the failure is caused by the SMSVSAM server being unavailable, CICS automatically retries the completion of the UOW when the server becomes available.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Use the VSAM codes to determine the cause of the problem. The most likely cause of this failure is that the SMSVSAM server failed at the time of the error. For the meaning of the VSAM codes, see *DFSMS/MVS Version 1 Release 5 Macro Instructions for Data Sets*.

When the condition that caused the lock release to fail has been resolved, you may need to retry the unit of work using

```
CEMT SET DSNAME RETRY
```

or

```
EXEC CICS SET DSNAME(dsname) ACTION(RETRY)
```

.

If you cannot resolve the problem or the problem recurs, there may be a more severe error. In this case, you will need assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: Console and Transient Data Queue CSFL

Module: DFHFCCA

XMEOUT Parameters: *date, time, applid, termid, tranid, X'uowid', X'rrrr', X'cccc'*

DFHFC0151 *date time applid termid tranid* **An attempt to retain locks for unit of work** *X'uowid'* **failed. VSAM return code** *X'rrrr'* **reason code** *X'cccc'***.**

Explanation: Unit of work *uowid* for transaction *tranid* has gone indoubt because it has lost contact with its coordinating system. Consequently CICS has attempted to convert all RLS locks owned by this unit of work into retained locks. This attempt has failed because VSAM has detected an error.

The IDARETLK macro response is *rrrr* and the reason code is *cccc*.

termid identifies the terminal running this transaction.

System Action: CICS continues shunting this unit of work. It is possible that some locks may remain as active locks (which cause other transactions to wait until their timeout value is reached) rather than as retained locks (which cause other transactions to encounter LOCKED responses.)

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Use the VSAM codes to determine the cause of the problem. For the meaning of the VSAM codes, see *DFSMS/MVS Version 1 Release 5 Macro Instructions for Data Sets*. The most likely reason for the failure to convert locks into retained locks is that the SMSVSAM server was not available. Other VSAM codes may indicate a more severe error.

Normally no other action should be necessary. When contact is reestablished, the coordinating system instructs this system to commit or backout. At the end of commit or backout, all retained and active locks are released.

A problem that you may encounter is that some locks may have been left as active locks. This may cause slow response (and

eventual failures) from transactions that wait for these locks and have to wait for their full timeout interval.

In this case, you can use the CEMT SET UOW command to force the unit of work to commit or backout, or to make a decision to commit or backout according to the ACTION attribute in the transaction definition. Alternatively, you can use the CEMT SET DSNAME command which will force all in-doubt units of work which had updated the specified data set. However, you should not normally use these commands because they can cause this CICS to become out of step with its coordinating system with consequent loss of data integrity.

If you cannot resolve the problem or the problem recurs, there may be a more severe error. In this case, you will need assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: Console and Transient Data Queue CSFL

Module: DFHFCCA

XMEOUT Parameters: *date, time, applid, termid, tranid, X'uowid', X'rrrr', X'cccc'*

DFHFC0152 *date time applid termid tranid* **An attempt to retain locks for data set within unit of work** *X'uowid'* **failed. VSAM return code** *X'rrrr'* **reason code** *X'cccc'***.**

Explanation: Unit of work *uowid* for transaction *tranid* has failed backout for one of its data sets. CICS has attempted to convert all the RLS locks owned by this unit of work that are associated with the failing data set into retained locks. This attempt has failed because VSAM has detected an error.

The IDARETLK response is *rrrr* and the reason code is *cccc*.

termid identifies the terminal running this transaction.

This message is followed by message DFHFC0312 which identifies the failing data set.

System Action: CICS continues shunting this unit of work. Some locks may remain as active locks (which cause other transactions to wait until their timeout value is reached) rather than as retained locks (which cause other transactions to encounter LOCKED responses).

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Use the VSAM codes to determine the cause of the problem. For the meaning of the VSAM codes, see *DFSMS/MVS Version 1 Release 5 Macro Instructions for Data Sets*.

The most likely reason for the failure to convert locks into retained locks is that the SMSVSAM server was not available. It is also possible to get a failure because the specified logical unit of work ID does not exist for the subsystem (that is, the unit of work does not hold any locks) during lost locks recovery, or after a CICS restart which specified OFFSITE=YES as a system initialization override. If you are performing RLS lost locks recovery, message DFHFC0555 will have been issued when lost locks recovery started; if you are performing RLS offsite recovery, message DFHFC0574 will have been issued during file control initialization. Other VSAM codes may indicate a more severe error.

Normally no other action is necessary. When the condition that caused the backout failure has been resolved, the backout of this unit of work is retried. If the attempt to retry the backout succeeds, all locks are released.

Message DFHFC4701 specifies the cause of the backout failure. The most common cause of backout failures is a hardware problem causing I/O errors. In this case the data set needs to be restored and forward recovered. If CICSVR (or a functionally equivalent product) is used to perform forward recovery, and the data set was being accessed in RLS mode, units of work that have failed backout for this data set are retried automatically. If the data set was quiesced, you need to unquiesce it to allow the backout to succeed. When the data set is unquiesced, CICS automatically retries the backout.

Backouts may also be retried using

```
CEMT SET DSNAME RETRY
```

or

```
EXEC CICS SET DSNAME(dsname) ACTION(RETRY)
```

.

The only problem that you may encounter is that some locks may have been left as active locks. This can cause a slow response (and eventual failures) from transactions that wait for these locks and have to wait for their full timeout interval.

In this case, consider releasing all locks held against this data set using the CEMT SET DSNAME RESETLOCKS command. This command should only be considered in extreme cases because it discards both the retained locks held by this CICS system against the named data set and all associated log records. The consequence is that the corresponding backout operations are never performed and data integrity is lost.

If you cannot resolve the problem or the problem recurs, there may be a more severe error. In this case, you will need assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: Console and Transient Data Queue CSFL

Module: DFHFCCA

XMEOUT Parameters: *date, time, applid, termid, tranid, X'uowid', X'rrrr', X'cccc'*

DFHFC0153 *applid* **The previous instance of the SMSVSAM server has failed. File control RLS access is being closed down.**

Explanation: The SMSVSAM server is the separate VSAM address space that handles all VSAM requests made in RLS mode. The instance of this address space which CICS has been using has terminated, and CICS has just detected the failure. CICS must close down all accesses from file control to this instance of the SMSVSAM server in order to be able to register with the next server instance when the server restarts.

If message DFHFC0568 is issued before DFHFC0153, CICS did not detect the failure until the server restarted and notified CICS that a new instance was available. If message DFHFC0568 is not issued before DFHFC0153, CICS detected the failure when it tried to access the failed instance of the server.

System Action: CICS disables all further RLS accesses, closes all files which were open in RLS mode, and attempts to unregister the RLS control ACB.

Transactions that attempt to access files previously opened in RLS mode abend. The abend code depends upon what the transaction was doing at the time of the failure.

User Response: The SMSVSAM server address space should normally restart itself. If it does not, restart the SMSVSAM server address space manually. If the SMSVSAM server address space fails to restart, there may be a more severe error. In this case, you need assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Module: DFHFCCA

XMEOUT Parameter: *applid*

DFHFC0156 *applid* **A failure to reset the PERMITNONRLSUPDATE state has occurred. Vsam return code** *X'rrrr'* **reason code** *X'cccc'***.**

Explanation: CICS has completed processing after a PERMITNONRLSUPDATE batch override response was returned by VSAM when CICS issued an RLS open. The call to VSAM from CICS to reset the state so that it is no longer in batch override status has failed.

The VSAM response is *rrrr* and the VSAM reason is *cccc*.

This message is followed by message DFHFC0312 which identifies the failing data set.

System Action: CICS takes a system dump.

User Response: To resolve the problem, keep the dump and contact your IBM Support Centre.

Destination: Console

Module: DFHFCCA

XMEOUT Parameters: *applid, X'rrrr', X'cccc'*

DFHFC0157 *applid tranid termid userid* **An I/O error has occurred on base data set** *dsname* **accessed via file** *filename* **component code** *X'code'***.**

Explanation: An I/O error has been reported by VSAM after a request to update VSAM file *filename*.

The name of the base data set associated with the file is *dsname* although the error may have been encountered elsewhere. This is indicated by the value of the component code X'*code*'. Its possible values and the corresponding error locations are as follows.

- X'00' or X'01' - Base cluster.
- X'02' or X'03' - Alternate index.
- X'04' or X'05' - Upgrade set.

System Action: The application request which encountered the error receives an 'IOERR' response.

CICS also issues message DFHFC0158 to display the VSAM diagnostic information for this error.

User Response: Follow standard procedure for I/O errors. No special additional action is required to respond to this particular message although the data set name and component code may help in identifying the problem.

Destination: Console

Module: DFHFCRS

XMEOUT Parameters: *applid, tranid, termid, userid, dsname, filename, X'code'*

DFHFC0158 *applid vsam-error-data*

Explanation: This message displays additional VSAM diagnostic information that is available following I/O errors and cache failures. The message is provided for information only.

The format of the data contained in message DFHFC0158 is described in *DFSMS/MVS Version 1 Release 5 Macro Instructions for Data Sets*. in the section describing the physical error message format. This is a common data format used by other IBM products following I/O errors.

This message is issued after messages DFHFC0157, DFHFC0162 and DFHFC0163 and provides additional information to go with those messages.

System Action: Processing continues.

User Response: See the description of the associated preceding message (DFHFC0157, DFHFC0162 or DFHFC0163.)

Destination: Console

Modules: DFHFCRS, DFHFCVS

XMEOUT Parameters: *applid, vsam-error-data*

DFHFC0159 *applid* **A request issued to cold start the RLS subsystem has failed. VSAM return code** *X'rrrr'* **reason code** *X'cccc'***.**

Explanation: A cold or initial start of CICS has been requested. CICS has made a call to the RLS component of VSAM which requested RLS to cold start its status with respect to this CICS. This request has failed because VSAM RLS detected an error while performing cold start processing.

System Action: CICS continues to initialize. However, the restart of the RLS component of file control has failed and all RLS eligible files are unusable.

No dump is taken with this message. However, file control restart may subsequently produce message DFHFC0001 and take a dump if the error is of a type which should not occur during normal running.

User Response: If the VSAM return code indicates that the SMSVSAM server has failed, restart the SMSVSAM server (if it has not already automatically restarted). You also need to restart CICS because CICS has been warm started with respect to RLS when the server returns.

If the SMSVSAM server has not failed, this is probably an error in CICS or VSAM. You should keep the dump associated with message DFHFC0001. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Module: DFHFCCA

XMEOUT Parameters: *applid, X'rrrr', X'cccc'*

DFHFC0160 *applid* **An attempt to notify VSAM that CICS has completed lost locks processing for a data set has failed. VSAM return code** *X'rrrr'* **reason code** *X'cccc'***.**

Explanation: Following a failure of the VSAM lock structure, VSAM has marked a data set as being in lost locks state with regard to this CICS. CICS has performed all recovery actions necessary to resolve its locks against this data set and has attempted to inform VSAM that it has completed its recovery. This attempt has failed.

The VSAM response is *rrrr* and the VSAM reason is *cccc*.

This message is followed by message DFHFC0312 which identifies the failing data set.

System Action: If the VSAM return code does not indicate that the SMSVSAM server has failed, CICS takes a system dump.

User Response: The most likely cause of this failure is that the SMSVSAM server failed at the time that CICS issued the request.

If the problem was caused by the SMSVSAM server having failed at the time that the request was issued, restart the SMSVSAM server (if it has not already automatically restarted). Otherwise, you can make CICS retry the attempt to notify VSAM of the

completion of lost locks processing either by restarting CICS or by restarting the SMSVSAM server.

It is possible that your installation may have performed some action, such as deleting the data set, which would cause VSAM not to recognise the data set and therefore return an error. If this is the case for the data set named in message DFHFC0312 then you need take no further action.

If the VSAM return and reason codes suggest an internal CICS or VSAM error, you will need further assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Module: DFHFCCA

XMEOUT Parameters: *applid, X'rrrr', X'cccc'*

DFHFC0161 *applid* **Inquire recovery has failed. VSAM return code** *X'rrrr'* **reason code** *X'cccc'***.**

Explanation: During restart CICS has issued an inquire recovery request to VSAM. This request has failed because VSAM has detected an error.

System Action: CICS restart continues. All RLS files are unusable.

If the VSAM return code does not indicate that the SMSVSAM server has failed, CICS later issues message DFHFC0001 which has an associated system dump.

User Response: The most likely cause of this failure is that the SMSVSAM server failed at the time that CICS issued the request. In that case you should restart the SMSVSAM server, if it has not already automatically restarted. There is no need to restart CICS.

If the VSAM return and reason codes indicate an internal CICS or VSAM error, keep the dump from message DFHFC0001. You will need further assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Module: DFHFCCA

XMEOUT Parameters: *applid, X'rrrr', X'cccc'*

DFHFC0162 *applid* **A VSAM data cache has failed.**

Explanation: A data cache structure being used by VSAM RLS has failed.

System Action: The application request which encountered the error receives an 'IOERR' response.

CICS also issues message DFHFC0158 to display the VSAM diagnostic information for this error. The name of the failing cache can be derived from the information displayed in the following DFHFC0158 message.

While the data cache remains unusable, all data sets bound to this cache are also unusable. Any attempt to read from or write to such a data set cause an IOERR response.

CICS issues messages DFHFC0162 and DFHFC0158 the first time that an I/O request fails because of a cache failure. To prevent flooding the console with messages, CICS does not display these messages again until it is notified that a cache has been recovered. If several caches fail, DFHFC0162 and DFHFC0158 are only displayed for the first cache to fail. However, VSAM issues messages for all failed caches.

User Response: Allocate a new data cache and bring it on line to VSAM.

CICS is notified as soon as the new cache is available and is able to take appropriate recovery action.

Destination: Console

Module: DFHFCRS

XMEOUT Parameter: *applid*

DFHFC0163 *applid* **Connectivity to a VSAM RLS data cache has been lost.**

Explanation: Connectivity has been lost to a data cache that is being used by VSAM RLS.

System Action: The application request which encountered the error receives an 'IOERR' response.

CICS also displays message DFHFC0158 to display the VSAM diagnostic information for this error. The name of the failing cache can be derived from the information displayed in the following DFHFC0158 message.

While the data cache remains unusable, all data sets bound to this cache are also unusable. Any attempt to read from or write to such a data set receives an 'IOERR' response.

CICS issues messages DFHFC0163 and DFHFC0158 the first time that an I/O request fails because contact has been lost between the processor running this MVS image and the coupling facility that holds the data cache. To prevent flooding the console with messages, CICS does not display these messages again until it is notified that a cache has been recovered. If contact with several caches is lost, messages DFHFC0163 and DFHFC0158 are only displayed for the first cache to fail. However, VSAM issues messages for all caches for which contact has been lost.

User Response: Reestablish contact between the processor running CICS and the coupling facility that contains the cache.

CICS is notified as soon as contact has been reestablished and is able to take appropriate recovery action.

Destination: Console

Module: DFHFCRS

XMEOUT Parameter: *applid*

DFHFC0164 *date time applid tranid trannum termid userid***. A request has timed out waiting for an RLS lock. There are** *nn* **transactions holding this lock.**

Explanation: This message and the following DFHFC0165 messages are issued to assist in problem determination when transactions abend with the AFCV abend code, or when application programs receive the RECORDBUSY condition.

An attempt made by transaction *tranid* with task number *trannum* to update a file which is open in VSAM RLS mode has failed because the request timed out waiting to obtain a lock on a record.

VSAM RLS has detected that a request has waited for a lock for more than the timeout interval. However, RLS was unable to detect any deadlock. Possibly there is a deadlock between VSAM RLS requests and requests to another resource manager such as DB2 or DBCTL.

When the timeout occurred there were *nn* other transactions holding the required lock.

System Action: If the application request which encountered the error specified NOSUSPEND, it receives the RECORDBUSY condition and continues. If the request did not specify NOSUSPEND, it receives an AFCV abend.

CICS displays message DFHFC0164 to identify the failing transaction and the number of owners of the lock. CICS also

issues message DFHFC0165 once for each lock owner. CICS issues message DFHFC0168 instead of DFHFC0165 in the unlikely event that VSAM RLS is unable to identify the lock owner.

User Response: The following DFHFC0165 messages identify the transactions that are holding the required lock and the CICS systems that they are running in. Examine these transactions to see why they are not releasing VSAM RLS locks. For example:

- They may be holding VSAM RLS locks and waiting for terminal input.
- They may be trying to access resources from both VSAM RLS and another resource manager, creating an inter-resource manager deadlock.

Destination: CSFL

Module: DFHFCRS

XMEOUT Parameters: *date, time, applid, tranid, trannum, termid, userid, nn*

DFHFC0165 *date time applid tranid trannum termid userid***. Transaction** *transid* **(***tasknum***) unit of work** *X'uowid'* **running in job** *jobname* **with applid** *applid2* **in MVS** *mvsid* **holds** *{add to end lock | internal lock | exclusive lock on key | shared lock on key }X'keyid'* **in data set** *dsname* **causing** *{true | false}* **contention.**

Explanation: This message and the preceding message DFHFC0164 or DFHFC0174 are issued to assist in problem determination when transactions abend with the AFCV or AFCW abend codes, or when applications receive the RECORDBUSY condition.

Normally this message appears after VSAM returns a timeout response to CICS. However, it may also appear after VSAM returns a deadlock response to CICS when that deadlock arises as a result of a failure to promote a lock. When this message is associated with a timeout response from VSAM, it is preceded by message DFHFC0164. When this message is associated with a deadlock response from VSAM it is associated with message DFHFC0174.

There is one occurrence of message DFHFC0165 for each transaction currently owning the required lock.

The name of the transaction that has failed is *tranid* and it has task number *trannum*.

The message inserts that identify the owner of the lock which caused this transaction to time out are as follows:

- *transid* is the name of the transaction running in the system that owns the lock. If the job that holds the lock is not a CICS system, this is displayed as *????*.
- *tasknum* is the task number of *transid*. If the job that holds the lock is not a CICS system, this is displayed as *?????*.
- *uowid* is the unit of work ID associated with the above transaction. The unit of work ID is also used by VSAM RLS as its logical unit of work ID (luwid).
- *jobname* is the job name of the CICS system that owns the lock.
- *applid2* is the applid of the CICS system whose job name was given by the previous insert.
- *mvsid* is the name of the MVS in which this CICS is running.
- *dsname* is the name of the data set against which the lock is held.
- *keyid* identifies the key which is locked. As it is not always possible to display keys in character form, the key is displayed in hexadecimal notation. If the message indicates that the transaction is waiting for an add to end lock or an internal lock, no key information is displayed.

The message identifies whether the lock is held as an exclusive lock or a shared lock:

- A lock is exclusive if it can only have one holder. For example, exclusive locks are used to protect update operations.
- A lock is shared if it can have many holders. Shared locks are used to protect repeatable and consistent read operations.

A lock causes true contention if the request was for a lock against the locked key. A lock causes false contention if the request was for a lock against a different key but the lock requests clashed because of the RLS key hashing algorithm which is used when the key length exceeds 16 characters.

System Action:

This message is preceded by DFHFC0164 or DFHFC0174. See the description of DFHFC0164 or DFHFC0174 for a description of the system action associated with this message.

User Response:

This message is preceded by DFHFC0164 or DFHFC0174. See the description of DFHFC0164 or DFHFC0174 for a description of the user actions associated with this message.

Destination: CSFL

Module: DFHFCRS

XMEOUT Parameters: *date, time, applid, tranid, trannum, termid, userid, transid, tasknum, X'uowid', jobname, applid2, mvsid, {1=add to end lock , 2=internal lock , 3=exclusive lock on key , 4=shared lock on key }, X'keyid', dsname, {1=true, 2=false}*

DFHFC0166 *date time applid tranid termid userid***. VSAM RLS has detected a deadlock. There are** *nn* **transactions in the deadlock chain.**

Explanation: This message and the following DFHFC0167 messages are issued to assist in problem determination when transactions abend with AFCW abend codes.

An attempt made by transaction *tranid* to update a file which is open in VSAM RLS mode has failed because VSAM RLS detected that this request would have caused a deadlock with other transactions.

At the time that the timeout occurred there were *nn* other transactions in the chain which caused deadlock.

System Action: The application request which encountered the error receives an AFCW abend.

CICS issues message DFHFC0166 to identify the failing transaction and the number of transactions in the deadlock chain.

CICS also issues message DFHFC0167 once for each transaction involved in the deadlock chain. DFHFC0167 identifies the resource that the transaction is holding and the resource that the transaction is waiting for.

User Response: Examine the transactions in the deadlock chain to determine why deadlock arose. If necessary, correct the programming logic to avoid deadlock-creating situations.

For guidance on writing programs that avoid deadlock problems, see the *CICS Application Programming Guide*.

Destination: CSFL

Module: DFHFCRS

XMEOUT Parameters: *date, time, applid, tranid, termid, userid, nn*

DFHFC0167 *date time applid tranid termid userid*. **Transaction** *transid(tasknum)* **with unit of work id** *X'uowid'* **running in** *jobname/applid2* **in MVS** *mvsid* **holds** *{add to end lock | internal lock | exclusive lock on key | shared lock on key }X'key1'* **on data set** *dsname1* **and is waiting for** *{add to end lock | internal lock | exclusive lock on key | shared lock on key }X'key2'* **on data set** *dsname2*.

Explanation: This message and the preceding DFHFC0166 message are issued to assist in problem determination when transactions abend with AFCW abend codes.

The preceding message DFHFC0166 reports that a deadlock has been detected and includes how many transactions exist in the deadlock chain.

Message DFHFC0167 is issued once for each transaction in the deadlock chain and includes the resource that transaction holds and which resource it is waiting for.

The message inserts are as follows:

- *transid(tasknum)* is the transaction name and the associated task number of a transaction that owns a lock and is waiting for another lock. If this participant in the deadlock chain is not a CICS system, this will appear as ????(?????).
- *uowid* is the unit of work ID associated with task *transid(tasknum)*. The unit of work is also used by VSAM as the logical unit of work ID (luwid).
- *jobname/applid2* is the job name and applid of the CICS system in which this transaction is running.
- *mvsid* is the name of the MVS in which this CICS job is running.
- *dsname1* is the name of the data set against which this transaction holds a lock.
- *key1* identifies the key which is locked. As it is not always possible to display keys in character form, the key is displayed in hexadecimal notation. If the message indicates that an add to end lock or an internal lock is held then no key information is displayed.
- *dsname2* is the name of the data set against which this transaction is attempting to acquire a lock.
- *key2* identifies the key which this transaction is attempting to lock. If the message indicates that the transaction is attempting to obtain an add to end lock or an internal lock then no key information is displayed.

The message identifies whether the lock is held as an exclusive lock or a shared lock and whether the transaction is attempting to acquire an exclusive or shared lock.

- A lock is exclusive if it can only have one holder. For example, exclusive locks are used to protect update operations.
- A lock is shared if it can have many holders. Shared locks are used to protect repeatable and consistent read operations.

System Action: The application request which encountered the error receives an AFCW abend.

User Response: See the description of message DFHFC0166.

Destination: CSFL

Module: DFHFCRS

XMEOUT Parameters: *date, time, applid, tranid, termid, userid, transid(tasknum), X'uowid', jobname/applid2, mvsid, {1=add to end lock , 2=internal lock , 3=exclusive lock on key , 4=shared lock on key }, X'key1', dsname1, {1=add to end lock , 2=internal lock , 3=exclusive lock on key , 4=shared lock on key }, X'key2', dsname2*

DFHFC0168 *date time applid tranid trannum termid userid.{ An exclusive | A shared}* **lock on key** *X'keyid'* **in data set** *dsname* **is causing** *{true | false}* **contention but the owner of this lock is unknown.**

Explanation: This message and the preceding DFHFC0164 message are issued to assist in problem determination when transactions abend with AFCV abend codes.

Message DFHFC0168 is issued whenever VSAM RLS is unable to determine the owner of a lock. This is an abnormal condition. It may indicate that a processor in the sysplex is stopped.

dsname is the name of the data set against which the lock is held. *keyid* identifies the key which is locked. As it is not always possible to display keys in character form, the key is displayed in hexadecimal notation.

The message identifies whether the lock is held as an exclusive lock or a shared lock.

- A lock is exclusive if it can only have one holder. For example, exclusive locks are used to protect update operations.
- A lock is shared if it can have many holders. Shared locks are used to protect repeatable and consistent read operations.

A lock causes true contention if the request was for a lock against the locked key. A lock causes false contention if the request was for a lock against a different key but the lock requests clashed as a result of hashing algorithms used in creating RLS keys.

System Action: Processing continues.

User Response: None. The message is issued to assist in problem determination.

Destination: CSFL

Module: DFHFCRS

XMEOUT Parameters: *date, time, applid, tranid, trannum, termid, userid, {1= An exclusive, 2= A shared}, X'keyid', dsname, {1=true, 2=false}*

DFHFC0169 *date time applid termid userid*. **Transaction** *tranid* **with transaction number** *trannum* **encountered an RLS retained lock held on data set** *dsname* **by unit of work** *X'uowid'* **within CICS with applid** *applid2*.

Explanation: An attempt was made to update a record which is currently held locked by a retained RLS lock.

Message inserts are as follows:

- *applid2* is the applid of the CICS system which owns the lock.
- *uowid* is the identifier of the unit of work that owns the lock.
- *dsname* is the name of the data set against which the lock is held.

This message is issued to aid in problem diagnosis. It identifies the owner of the lock that is causing a request to fail with a 'LOCKED' response.

System Action: The application request which encountered the error receives a 'LOCKED' response.

User Response: If repeated LOCKED responses are causing a problem, note the name of the CICS system and the identifier of the unit of work and attempt to find why this unit of work is holding a retained lock. There are three reasons why a unit of work can hold a retained lock.

1. The unit of work was running in a CICS system that has failed. If this CICS system is restarted, the lock is normally released.

2. The unit of work has gone indoubt. Indoubt failures occur as a result of a failure in communication between two CICS systems, neither of which need be the CICS system that is encountering the 'LOCKED' response.

   From a terminal connected to the CICS system with applid *applid2*, issue the command

   ```
   CEMT I UOW(uowid)
   ```

   or

   ```
   CEMT I UOWDSNFAIL
   ```

   to identify the applid of the CICS system that is coordinating the distributed unit of work. Then attempt to reestablish contact between the coordinating CICS and the system that owns the lock.

3. The unit of work has failed backout. From a terminal connected to the CICS system with applid *applid2*, issue the command

   ```
   CEMT INQUIRE
   UOWDSNFAIL DATASET(dsname)
   ```

   to determine the reason why unit of work *uowid* failed backout while processing data set *dsname*. There are several reasons why a unit of work can fail backout, each identified by a different reason code from CEMT INQUIRE UOWDSNFAIL. See the *CICS Problem Determination Guide* for guidance on how to resolve each of these types of backout failure.

Destination: CSFL

Module: DFHFCRS

XMEOUT Parameters: *date, time, applid, termid, userid, tranid, trannum, dsname, X'uowid', applid2*

DFHFC0170 *applid* **An attempt to release locks which are held by RLS but unknown to CICS has failed.**

Explanation: An attempt was made to release locks which are held on behalf of this CICS system by the VSAM RLS lock manager, but about which CICS has no knowledge. Such locks are known as "orphan" locks. The attempt to release the locks failed, either because the VSAM RLS server is not available or because there were no locks to release.

System Action: CICS continues. The locks are automatically released after the VSAM RLS server becomes available again.

The presence of these "orphan" locks could prevent the running of non-RLS applications against the data sets which hold such locks. "Orphan" locks can also cause LOCKED responses to be returned to applications running on CICS systems which have access to an available VSAM RLS server and try to update the locked records, or try to read the records with one of the read integrity options.

Since CICS has no knowledge of "orphan" locks, it is not possible to get information about them using CICS API commands.

User Response: If the failure is due to the server not being available, wait for the VSAM RLS server to restart. If it does not restart automatically, determine the reason and attempt to start it manually.

If the failure is due to there being no locks to release, this could either be a result of some user action resulting in locks being deleted such as deleting the data set, or it could indicate a severe VSAM error. If user action is not responsible, you will need further assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Module: DFHFCRR

XMEOUT Parameter: *applid*

DFHFC0171 *applid* **Lost locks recovery might be delayed by inflight transactions.**

Explanation: A coupling facility (CF) lock structure failure has occurred, and SMSVSAM has been unable to rebuild the lock structure dynamically. This has resulted in the loss of VSAM RLS locks. SMSVSAM has notified CICS of this event so that CICS can perform lost locks recovery processing. In the course of this processing, CICS has attempted to purge inflight transactions that hold one or more of the lost locks in order to expedite recovery from the lost locks condition. However, it has not been possible to purge all of the transactions.

RLS lost locks recovery cannot complete until all UOWs that have updated data sets in RLS mode are completed. It is unlikely that an inflight transaction can complete normally in a lost locks situation because it will abend at the next attempt to access RLS. CICS attempts to purge inflight transactions because allowing them to run to completion (when they will probably abend anyway) could take a long time. This is particularly the case for conversational transactions.

System Action: CICS continues.

If the failure to purge a transaction is due to a severe error, message DFHFC0002 is issued and a dump is taken.

User Response: It may not be necessary to take any action because the purging of transactions is only a precautionary measure.

This message indicates that there are inflight UOWs that have not yet completed only when there are data sets that return a LOSTLOCKS value of RECOVERLOCKS after you have resolved any failed units of work that had updated the data sets. (See the EXEC CICS INQUIRE DSNAME(...) command for information about the LOSTLOCKS parameter.)

If it is possible to identify the transactions in question, either ensure that they run to normal completion, or attempt to force purge them using the CEMT master terminal command. However, as this should be a rare situation, consider performing an immediate shutdown of CICS followed by an emergency restart as an alternative solution. This causes all inflight transactions to be backed out.

Destination: Console

Module: DFHFCRR

XMEOUT Parameter: *applid*

DFHFC0172 *applid* **File control is unable to return to processing on the QR TCB because a change mode request has failed. CICS will t erminate.**

Explanation: Normally most CICS functions are run on a TCB called the QR TCB. Exceptionally, file control issues OPEN and CLOSE requests on a TCB called the FO TCB. File control may also process VSAM read and write requests on a TCB called the CO TCB if SUBTSKS=1 has been specified in the SIT.

After completing its work on the RO or CO TCB, file control must return to processing on the QR TCB. In order to return to the QR TCB, file control has issued a CHANGE_MODE call to the CICS dispatcher. This request has failed.

System Action: This is a severe error. CICS is unable to continue processing because it must be running on the QR TCB in order to do so. CICS is terminated with a dump.

The dispatcher domain has put out messages to describe the failure in the CHANGE_MODE request.

User Response: See the messages issued by the dispatcher domain for further guidance.

Destination: Console

Modules: DFHFCRO, DFHFCCA, DFFCRV, DFHFCFS

XMEOUT Parameter: *applid*

DFHFC0173 *date time applid* **VSAM has issued a** *{deadlock | timeout | locked}* **response but cannot supply problem determination data.**

Explanation: After certain failures, VSAM normally provides problem determination information which CICS uses to issue diagnostic messages and create exception trace entries.

However, although VSAM set a return code indicating that a failure occurred, it is unable to provide any problem determination information.

The failure detected by VSAM RLS is one of the following:

- A deadlock - CICS normally issues message DFHFC0166 and two or more DFHFC0167 messages.
- A timeout - CICS normally issues message DFHFC0164 and one or more DFHFC0165 messages.
- A record locked by a retained lock - CICS normally issues message DFHFC0169.

System Action: CICS continues processing the error in the normal way but cannot issue any of the normal problem determination messages or create the usual exception trace entries.

CICS does not take a dump. However, you can request a dump via the dump table in the usual way.

User Response: This indicates an error in VSAM RLS. You may wish to take a dump of the SMSVSAM server. See the appropriate DFSMS/MVS manual for further guidance.

Destination: CSFL

Module: DFHFCRS

XMEOUT Parameters: *date, time, applid, {1=deadlock, 2=timeout, 3=locked}*

DFHFC0174 *date time applid tranid trannum termid userid* **A deadlock has occurred as a result of a lock promote failure. There are** *nnn* **transactions holding this lock.**

Explanation: This message and the following DFHFC0165 messages are issued to assist in problem determination when transactions abend with the AFCW abend code or receive RECORDBUSY response as NOSUSPEND was specified.

An attempt made by transaction *tranid* with transaction number *trannum* to update a file which is open in VSAM RLS mode has failed because VSAM has detected a deadlock while attempting to promote a shared lock to become an exclusive lock.

VSAM RLS returns problem determination information to CICS to assist with debugging the deadlock. However, this type of deadlock looks to VSAM like a timeout and thus the information returned to CICS looks like the information returned after a timeout. Hence this message is followed by one or more DFHFC0165 messages instead of the DFHFC0167 messages which follow other types of deadlocks.

When the deadlock occurred there were *nnn* other transactions holding the required lock.

System Action: The transaction receives an AFCW abend or RECORDBUSY response.

CICS displays message DFHFC0174 to identify the failing transaction and the number of owners of the lock. CICS also issues message DFHFC0165 once for each lock owner. CICS issues message DFHFC0168 instead of DFHFC0165 in the unlikely event that VSAM RLS is unable to identify the lock owner.

User Response: The following DFHFC0165 messages identify the transactions that are holding the required lock and the CICS systems that they are running in. Examine these transactions to determine why they are not releasing VSAM RLS locks. Examine other RLS resources they acquire to determine whether this could cause a deadlock with the failing transaction.

Destination: CSFL

Module: DFHFCRS

XMEOUT Parameters: *date, time, applid, tranid, trannum, termid, userid, nnn*

DFHFC0200 *date time applid {RLS | Non-RLS}* **file** *filename* **has been allocated to data set** *dataset***. Module** *module***.**

Explanation: This message provides a record of the dynamic allocation of the file *filename* to the data set *dataset*.

System Action: Processing continues.

User Response: None.

Destination: CSFL

Modules: DFHFCN, DFHFCRO

XMEOUT Parameters: *date, time, applid, {1=RLS, 2=Non-RLS}, filename, dataset, module*

DFHFC0201 *date time applid {RLS | Non-RLS}* **file** *filename* **has been deallocated. Module** *module***.**

Explanation: This message provides a record of the dynamic deallocation of the file *filename*.

System Action: Processing continues.

User Response: None.

Destination: CSFL

Modules: DFHFCN, DFHFCRO

XMEOUT Parameters: *date, time, applid, {1=RLS, 2=Non-RLS}, filename, module*

DFHFC0202 *date time applid terminal userid tranid* **FCT entry for** *filename* **has been added.**

Explanation: This message provides the system with a record of the dynamic addition of FCT entry, *filename*.

System Action: Processing continues.

User Response: None.

Destination: CSFL

Module: DFHFCMT.

XMEOUT Parameters: *date, time, applid, terminal, userid, tranid, filename*

DFHFC0203 *date time applid terminal userid tranid* **FCT entry for** *filename* **has been deleted.**

Explanation: This message provides a record of the dynamic deletion of FCT entry *filename*.

This occurs when a file, which already exists in the system, is being installed using RDO. It should be followed by message DFHFC0202 indicating that the new file definition has been added.

System Action: Processing continues.

User Response: None.

Destination: CSFL

Module: DFHFCMT.

XMEOUT Parameters: *date, time, applid, terminal, userid, tranid, filename*

DFHFC0204 *date time applid terminal userid tranid* **FCT entry for** *filename* **has been updated.**

Explanation: This message provides a record of updates to an FCT entry other than OPEN, CLOSE, ENABLE and DISABLE.

An FCT entry is updated by an EXEC CICS SET FILE command or by a CEMT SET FILE command.

System Action: Processing continues.

User Response: None.

Destination: CSFL

Module: DFHFCMT.

XMEOUT Parameters: *date, time, applid, terminal, userid, tranid, filename*

DFHFC0205 *date time applid terminal userid tranid* **SHRCTL block for LSR pool** *lsrpool* **has been updated.**

Explanation: This message provides a record of the updates to a SHRCTL block.

A SHRCTL block exists for VSAM LSR pools 1–8 and is updated by an RDO install of an LSRPOOL object.

System Action: Processing continues.

User Response: None.

Destination: CSFL

Module: DFHFCRL.

XMEOUT Parameters: *date, time, applid, terminal, userid, tranid, lsrpool*

DFHFC0206 *date time applid terminal userid tranid* **AFCT entry for** *filename* **has been added.**

Explanation: This message provides the system with a record of the dynamic addition of a remote file *filename.*

System Action: Processing continues.

User Response: None.

Destination: CSFL

Module: DFHAFMT.

XMEOUT Parameters: *date, time, applid, terminal, userid, tranid, filename*

DFHFC0207 *date time applid terminal userid tranid* **AFCT entry for** *filename* **has been deleted.**

Explanation: This message provides a record of the dynamic deletion of a remote file *filename*.

This occurs when a remote file, which already exists in the system, is being deleted using RDO.

System Action: Processing continues.

User Response: None.

Destination: CSFL

Module: DFHAFMT.

XMEOUT Parameters: *date, time, applid, terminal, userid, tranid, filename*

DFHFC0208I *applid* **LSR pool** *n* **is being built dynamically by CICS because all of the necessary parameters have not been supplied. Either there is no LSRPOOL definition or it is incomplete. The following are not defined:** *'CISIZE"STRINGS"MAXKEYLENGTH'***. A delay is possible.**

Explanation: If one or more of the parameters, CI size, strings and maxkeylength are not defined for a LSR pool, either because there is no LSRPOOL definition or it is incomplete, then CICS will calculate the size by using information from the VSAM Catalog for data sets allocated to this LSR pool.

System Action: CICS will issue SHOWCATS to obtain the information necessary to calculate the LSR pool size. If any data sets have been migrated the SHOWCAT could take longer than expected.

User Response: If there are severe delays due to SHOWCAT processing, you will have to wait for migrated data sets to be recalled, and for the calculation of the LSR pool size to complete. If you wish to avoid similar problems in the future, consider defining the LSR pool explicitly. The missing parameters are contained in this message.

Normally, you will not experience delays, in which case no user action is required.

You can suppress this message with the system initialization parameter, MSGLVL=0.

Destination: Console

Module: DFHFCL

XMEOUT Parameters: *applid, n, 'CISIZE', 'STRINGS', 'MAXKEYLENGTH'*

DFHFC0300 *applid* **(***tranid termid***) purge deferred due to incomplete I/O operation on VSAM file '***filename***'.**

Explanation: An attempt has been made to purge a transaction using FORCE. Transaction *tranid* is currently waiting for completion of an I/O operation on the VSAM file *filename*. *termid* identifies the terminal running this transaction. The data set name appears in message DFHFC0305 which follows this message.

System Action: The transaction waits until the I/O operation is completed before the purge is allowed to take effect. This is done to avoid a risk to data integrity. After the I/O completes the transaction is terminated with transaction abend code AFCY.

User Response: If the transaction does not terminate within a few seconds, it may be that the I/O wait is genuine (for example, another CEC has reserved the DASD volume). If this is the case, wait until the I/O situation is relieved before trying again.

Alternatively, there may be a system problem that warrants terminating CICS and using emergency restart to guarantee data integrity. If this is the case, terminate CICS and perform an emergency restart.

Destination: Console

Module: DFHFCVR

XMEOUT Parameters: *applid, tranid, termid, filename*

DFHFC0301 *applid* **(***tranid termid***) purge deferred due to incomplete I/O operation on BDAM file '***filename***'.**

Explanation: An attempt has been made to purge a transaction using FORCE. Transaction *tranid* is currently waiting for completion of an I/O operation on the BDAM file *filename*. *termid* identifies the terminal running this transaction. The data set name appears in message DFHFC0305 which follows this message.

System Action: The transaction waits until the I/O operation is completed before the purge is allowed to take effect. This is done to avoid a risk to data integrity. After the I/O operation is completed, the transaction is terminated with transaction abend code AFCY.

User Response: If the transaction does not terminate within a few seconds, the I/O wait might be genuine (for example, another CEC has reserved the DASD volume). If this is the case, wait until the I/O situation is relieved before trying again.

Alternatively, there may be a system problem that warrants terminating CICS and using emergency restart to guarantee data integrity If this is the case, terminate CICS and perform an emergency restart.

Destination: Console

Module: DFHFCBD

XMEOUT Parameters: *applid, tranid, termid, filename*

DFHFC0302 *applid* **(***tranid termid***) CICS terminating. Failure while waiting for I/O operation on VSAM file '***filename***'.**

Explanation: A DISASTER type error occurred when the transaction *tranid* was waiting for the completion of an I/O operation on the VSAM file whose file name and data set name appear in message DFHFC0305 which follows this message. *termid* identifies the terminal running this transaction.

System Action: CICS is terminated with a system dump (dump code FC0302).

User Response: This problem was caused by an earlier error. Look for earlier messages and return codes (for example, from the dispatcher domain) and associated trace entries and dumps.

If the problem cannot be traced to an application error, you will require further assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Module: DFHFCVR

XMEOUT Parameters: *applid, tranid, termid, filename*

DFHFC0303 *applid* **(***tranid termid***) CICS terminating. Failure while waiting for I/O operation on BDAM file '***filename***'.**

Explanation: A DISASTER type error occurred when transaction *tranid* was waiting for the completion of an I/O operation on BDAM file *filename*.

termid identifies the terminal running this transaction.

System Action: CICS is terminated with a system dump (dump code FC0303).

User Response: This problem was caused by an earlier error. Look for earlier messages and return codes (for example, from the dispatcher domain) and associated trace entries and dumps.

If the problem cannot be traced to an application error, you will need further assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Module: DFHFCBD

XMEOUT Parameters: *applid, tranid, termid, filename*

DFHFC0304 *applid* **Dump taken in** *module_name* **due to a file control OPEN/CLOSE error.**

Explanation: This message is issued after DFHFCFS has made an OPEN or CLOSE request which has completed with an error. The specific error is identified by another message. In most cases the other message appears before this message, but if the error occurs during the building of a shared resources pool, the other message appears after this message.

The failure is identified as one of the following:

- An invalid request (not OPEN or CLOSE) has been sent
- There has been a subtask failure
- There has been a system failure other than “DSNAME NOT FOUND” or “VSAM CATALOG DOMAIN NOT FOUND”.
- There has been a failure during shared resources pool building.

System Action: A trace entry is made and a dump is taken with dumpcode FC0304.

User Response: Locate the fault by examining the trace entry and the dump.

Destination: Console

Modules: DFHFCL, DFHFCM, DFHFCN

XMEOUT Parameters: *applid, module_name*

DFHFC0305 *applid* **Message** *msgno* **file '***filename***' dsname '***dataset***'.**

Explanation: This message follows message DFHFC0300, DFHFC0302, DFHFC0307, DFHFC0308 or DFHFC0309. It identifies the VSAM data set name referred to in those messages.

If this message follows DFHFC0300 or DFHFC0302, it is issued from DFHFCVR.

If this message follows DFHFC0308 or DFHFC0309, it is issued from DFHFCRV.

If this message follows DFHFC0307, it is issued from DFHFCVS.

System Action: Processing continues in the way specified in the preceding message from the list above, whichever is applicable.

User Response: Find the earlier message to which this information refers and follow the user response for that message.

Destination: Console

Modules: DFHFCVR, DFHFCVS, DFHFCRV

XMEOUT Parameters: *applid, msgno, filename, dataset*

DFHFC0307 *applid* **I/O error on file '***filename***', component code** *X'code'***. File is temporarily disabled.**

Explanation: An I/O error was reported by VSAM after a request to update VSAM file *filename*.

The file has been specified with LSR so VSAM has not released the buffers it assigned to process the request. Therefore, CICS must take special action to release them.

The name of the data set associated with the file is in message DFHFC0305 which follows, although the error may have been encountered elsewhere. This is indicated by the value of the component code X'*code*'. Its possible values and the corresponding error locations are as follows.

- X'00' or X'01'—base cluster.
- X'02' or X'03'—alternate index.
- X'04' or X'05'—upgrade set.

System Action: Activity against the file is stopped, and the file is closed and then reopened in order to release the VSAM output buffers. Until the close has completed successfully, the file appears 'UNENABLED' to new would-be users and they receive a 'NOTOPEN' response to requests to use the file. The application request which encountered the error receives an 'IOERR' response.

User Response: The installation should follow its standard procedure for I/O errors. No special additional action is required to respond to this particular message although the data set name and component code may help in identifying the problem.

Destination: Console

Module: DFHFCVS

XMEOUT Parameters: *applid, filename, X'code'*

DFHFC0308 *applid tranid termid* **Purge deferred due to incomplete I/O operation on VSAM RLS file** *filename*

Explanation: An attempt has been made to purge a transaction using FORCE. Transaction *tranid* is currently waiting for completion of an I/O operation on the VSAM RLS file *filename*. *termid* identifies the terminal running this transaction. The data set name is included in message DFHFC0305 which follows this message.

System Action: The transaction waits until the I/O operation is completed before the purge is allowed to take effect. This is done to avoid a risk to data integrity. After the I/O operation is completed, the transaction is terminated with transaction abend code AFCY.

User Response: If the transaction does not terminate within a few seconds, the I/O wait might be genuine (for example, another CEC has reserved the DASD volume). If this is the case, wait until the I/O situation is relieved before trying again.

Alternatively, there may be a system problem that warrants terminating CICS and using emergency restart to guarantee data integrity. If this is the case, terminate CICS and perform an emergency restart.

Destination: Console

Module: DFHFCRV

XMEOUT Parameters: *applid, tranid, termid, filename*

DFHFC0309 *applid tranid termid* **Failure while waiting for I/O operation on VSAM RLS file** *filename*

Explanation: A DISASTER type error occurred when the transaction *tranid* was waiting for the completion of an I/O operation on the VSAM RLS file *filename*

System Action: CICS returns to VSAM who completes the wait for the I/O operation on CICS behalf. Since VSAM rather than CICS completes the wait for I/O to complete, there may be a significant degradation in CICS performance until the operation completes.

User Response: This problem was caused by an earlier error. Look for earlier messages and return codes (for example, from the dispatcher domain) and associated trace entries and dumps.

If the problem cannot be traced to an application error, you will require further assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Module: DFHFCRV

XMEOUT Parameters: *applid, tranid, termid, filename*

DFHFC0310 *applid tranid termid* **Purge deferred due to incomplete I/O operation on the RLS control ACB.**

Explanation: An attempt has been made to purge a transaction using FORCE. Transaction *tranid* is currently waiting for completion of an I/O operation on the VSAM RLS control ACB.

termid identifies the terminal running this transaction.

System Action: The transaction waits until the I/O operation is completed before the purge is allowed to take effect. This is done to avoid a risk to data integrity. After the I/O operation is completed, the transaction is terminated with transaction abend code AFCY.

User Response: If the transaction does not terminate within a few seconds, the VSAM wait might be genuine (for example, certain requests may take a fairly long time to complete). If this is the case, wait until the VSAM request has completed before trying again.

Alternatively, there may be a system problem that warrants terminating CICS and using emergency restart to guarantee data integrity. If this is the case, terminate CICS and perform an emergency restart.

Destination: Console

Module: DFHFCCA

XMEOUT Parameters: *applid, tranid, termid*

DFHFC0311 *applid tranid termid* **Failure waiting for I/O operation on the RLS control ACB.**

Explanation: A DISASTER type error occurred when the transaction *tranid* was waiting for the completion of an I/O operation on the VSAM RLS control ACB.

System Action: CICS returns to VSAM and VSAM completes the wait for the I/O operation on CICS behalf. Since VSAM rather than CICS completes the wait for I/O to complete, there may be a significant degradation in CICS performance until the operation completes.

User Response: This problem was caused by an earlier error. Look for earlier messages and return codes (for example, from the dispatcher domain) and associated trace entries and dumps.

If the problem cannot be traced to an application error, you will require further assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Module: DFHFCCA

XMEOUT Parameters: *applid, tranid, termid*

DFHFC0312 *applid* **Message** *msgno* **data set** *dsname*

Explanation: This message follows message DFHFC0152 or DFHFC0160. It identifies the VSAM data set name referred to in those messages.

System Action: Processing continues as specified in either DFHFC0152, or DFHFC0160.

User Response: Find the earlier message to which this information refers and follow the user response for that message.

Destination: Console

Module: DFHFCCA

XMEOUT Parameters: *applid, msgno, dsname*

DFHFC0400 *applid* **This CICS system is not authorized to provide shared access to data tables - reason code** *X'code'***.**

Explanation: CICS is about to open a data table but has been unable to make provision for sharing the table with other CICS systems because a security check for update access to the resource name DFHAPPL.*applid* has failed. The value of the reason code, X'*code*', provides further information on the reason for the failure of the security check. It has the format X'*ffrraaaa*' where *ff* identifies the authorization check which failed, *rr* gives the register 15 return code from SAF, and *aaaa* is the SAFPRRET value.

The values of X'*ff*' are

X'01' Access was refused by an AUTH security check.

X'02' Access was refused by a FASTAUTH security check.

System Action: CICS continues normally but no other CICS systems are able to share any data tables it creates until authority is granted and a table is subsequently opened.

User Response: Ensure that CICS has the necessary authorization to provide shared access to data tables. Refer to the description of either the AUTH or FASTAUTH macro in the RACF documentation for explanations of the values that were reported in the reason code, X'*code*', and to determine the changes to the security definitions or setup that are required to allow the CICS system to act as a shared data table server (assuming that this is desired).

Destination: Console

Module: DFHFCFS

XMEOUT Parameters: *applid, X'code'*

DFHFC0401 *applid* **This CICS system is now authorized to provide shared access to data tables.**

Explanation: CICS is about to open a data table. On a previous occasion message DFHFC0400 was issued because authorization checks failed preventing this CICS system from making provision for sharing its data tables with any other CICS system. The check has been retried successfully.

System Action: CICS continues normally. Subject to specific authorization checks, other CICS systems are now able to share this system's data tables.

User Response: None.

Destination: Console

Module: DFHFCFS

XMEOUT Parameter: *applid*

DFHFC0402 *applid* **CICS cannot provide shared access to data tables because CICS is not defined as an MVS subsystem.**

Explanation: CICS is about to open a data table but has been unable to make provision for sharing the table with other CICS systems because CICS has not been defined as an MVS subsystem.

System Action: CICS continues normally but no other CICS systems are able to share any data tables it creates.

User Response: CICS must be defined as an MVS subsystem in order to permit the sharing of data tables between CICS systems.

See the *CICS Shared Data Tables Guide* for more guidance.

Destination: Console

Module: DFHFCFS

XMEOUT Parameter: *applid*

DFHFC0403 *applid* **CICS cannot provide shared access to remote data tables because CICS is not defined as an MVS subsystem.**

Explanation: CICS is about to access a remote file resource. However, shared data tables cannot be used to access any remote tables because CICS has not been defined as an MVS subsystem.

If this message is issued on a CICS system at release 3.2.1, it means that the shared data tables module DFHDTINS is installed in the LPA or in the load library used by this CICS system, and has therefore been loaded by mistake.

System Action: CICS continues normally and function ships this and subsequent remote file requests.

User Response: CICS must be defined as an MVS subsystem in order to permit the sharing of data tables between CICS systems.

If the message was issued by a CICS/ESA 3.2.1 system, check where the DFHDTINS module is located. If DFHDTINS is in the load library specified by this CICS, it should be removed: shared data tables support cannot be installed on a CICS system at a lower level than 3.3. If it is in the link pack area (LPA) of this MVS system, it should be removed: the DFHDTINS module should not be placed in the LPA of an MVS system which contains any CICS regions at release 3.2.1 which might want to use data tables, unless a PTF has been applied to the CICS 3.2.1 regions.

Destination: Console

Module: DFHFCFS

XMEOUT Parameter: *applid*

DFHFC0405 *applid* **This CICS system cannot provide shared access to data tables because an earlier job step has used MVS cross-memory services.**

Explanation: CICS is prevented from using shared data tables because of the use of MVS cross-memory services by an earlier job step. CICS has attempted to create an entry table during LOGON as a shared data table server, but this has resulted in an MVS 052 ABEND because a prior jobstep owned space-switching entry tables. (MVS does not allow subsequent job steps to establish a cross-memory environment.)

System Action: CICS continues normally but other CICS systems are unable to gain shared access to any data tables that this CICS system creates.

User Response: In order to use the shared access to data tables feature, review the sequence of job steps in the job which includes this CICS system.

See the *CICS Shared Data Tables Guide* and also the explanation of system abend code 052, reason code 0314 in *MVS System Codes* for more guidance.

Destination: Console

Module: DFHFCFS

XMEOUT Parameter: *applid*

DFHFC0406 *applid* **This CICS system is not authorized for shared access to any data tables owned by the CICS system with applid** *applid2* **- reason code** *X'code'***.**

Explanation: A file request for a remote file resource is about to be passed to a CICS system with the specified applid. The remote system has registered as a shared data table server, but this system cannot access any of its tables because a security check for read access to the resource name DFHAPPL.*applid2* has failed, where *applid2* is the applid of the data table owning CICS system. The value of the reason code, X'*code*', provides further information on the reason for the failure of the bind security check. It has the format X'*ffrraaaa*' where *ff* identifies the authorization check which failed, *rr* gives the register 15 return code from SAF, and *aaaa* is the SAFPRRET value.

The values of X'*ff*' are

X'01' Access was refused by an AUTH security check.

X'02' Access was refused by a FASTAUTH security check.

User Response: If it was intended that this CICS system should be able to access data tables owned by the system *applid2*, refer to the description of either the AUTH or FASTAUTH macro in the RACF documentation for explanations of the values that were reported in the reason code, X'*code*', and to determine what changes to the security definitions or setup are required.

System Action: CICS continues normally and function ships this and subsequent requests directed to the specified remote system until authority is granted. Access is retried after about 10 minutes.

Destination: Console

Module: DFHFCFS

XMEOUT Parameters: *applid, applid2, X'code'*

DFHFC0407 *applid* **This CICS system is now authorized for shared access to data tables owned by the CICS system with applid** *applid2***.**

Explanation: The security check which failed earlier and was reported in message DFHFC0406, has now succeeded. This system can now attempt to access shared data tables owned by the CICS system with applid *applid2*.

System Action: CICS continues normally. Subject to specific resource authorization checks, shared data tables owned by the remote CICS system can now be accessed by this system.

User Response: None.

Destination: Console

Module: DFHFCFS

XMEOUT Parameters: *applid, applid2*

DFHFC0408 *applid* **This CICS system is not authorized for shared access to remote file** *filename* **- reason code** *X'code'***.**

Explanation: A file request to the specified remote file resource has just been processed. The file owning region contains shared data tables. An attempt was made to connect to any data table associated with the file but the connecting region failed the security check for shared access to the file resource. However, function shipped access was not similarly prevented.

This message can be issued whether or not the remote file has an associated data table. This is because it is not possible to determine whether a table exists until cross-memory linkage has been established to the file owning region, and this is only done after a connection attempt has passed all security checks. Once cross-memory linkage has been set up, any further connection attempts can first check whether a table exists. The shared access security check is then only needed when a data table is known to be available.

The value of the reason code, X'*code*', provides further information on the reason for the failure of the file security check. It has the format X'*ffrraaaa*'; where *ff* identifies the userid that was refused access, *rr* gives the register 15 return code from SAF, and *aaaa* is the SAFPRRET value.

The values of X'*ff*' are

X'01' The requesting system's own userid was refused read access to the remote file *filename*.

X'02' The default userid of the CICS system which owns the remote file *filename* was used in the security check for read access to the file, and access was refused.

System Action: CICS continues normally and function ships this and subsequent requests directed to the specified remote file until authority to use shared access is granted. Access is retried after about 10 minutes.

User Response: Check whether shared access from this system to the specified file is intended. If it is, use the additional information provided in the reason code to determine what changes to the security definitions or set-up are required.

See the *CICS Shared Data Tables Guide* for an explanation of the rules determining which userid is used for a file security check.

Destination: Console

Module: DFHEIFC

XMEOUT Parameters: *applid, filename, X'code'*

DFHFC0409 *applid* **This CICS system is now authorized for shared access to remote file** *filename***.**

Explanation: The security check which failed earlier, and was reported in message DFHFC0408, has now succeeded. This system can now use shared access to the specified table.

System Action: CICS continues normally.

User Response: None.

Destination: Console

Module: DFHFCFS

XMEOUT Parameters: *applid, filename*

DFHFC0410 *applid* **Data table cannot be opened. Data table initialization has failed for reason** *X'code'***.**

Explanation: CICS is about to open a data table but has been unable to initialize shared data table services. The value of the reason code, X'*code*', provides further information about why CICS was unable to initialize shared data table services.

The format of the reason code is either: X'*ffaaaaaa*', in which *ff* is a value less than X'80' that identifies the type of failure, and *aaaaaa* is additional information provided for some of the failures, or when an abnormal termination (abend) has occurred, X'*axxxrrrr*' in which *a* is a value greater than or equal to X'8' that categorizes the type of abend, *rrrr* contains any register 15 abend reason code, and *xxx* contains the system or user completion code as three hexadecimal digits.

When X'*code*' < X'80000000', the values of X'*ff*' are:

X'01' An unexpected failure occurred. This code is reported when the data tables SVC detects an unexpected error.

X'04' An error was returned by the MVS RESMGR macro, called to establish an MVS resource manager for end-of-task processing. The first byte of the additional information, X'*aa0000*' contains the low order byte of the register 15 return code from the MVS RESMGR macro.

X'06' An error was returned by the CICS SVC. The first byte of the additional information, X'*aa0000*' is the register 15 return code from the attempt to call the CICS SVC.

X'08' An error was returned by the MVS DSPSERV macro. The additional information in the reason code consists of 1 byte containing the register 15 return code followed by 2 bytes containing the middle bytes from the register 0 reason code returned by DSPSERV.

X'09' An error was returned by the MVS ALESERV macro, called to create an access list entry either for the data space or for references to the primary address space. The additional information in the reason code consists of one byte containing the register 15 return code followed by two bytes containing the ALESERV function code (service type) and qualifier (options) which identify the failing request.

X'0E' An attempt to serialize the use of shared data table services (thus ensuring that only one TCB per address space can use the services) has failed. The first byte of additional information contains the ENQ return code.

When X'*code*' ≥ X'80000000', the values of X'*a*' are formed from combinations of:

X'8' An abend was detected.

X'4' A user abend was detected, in which case *xxx* contains the hexadecimal equivalent of the user completion code (otherwise, *xxx* contains the hexadecimal system completion code).

X'2' An abend was detected but could not be analyzed fully because no SDWA was available.

X'1' An asynchronous abend was detected (otherwise, the abend was synchronous or could not be classified because there was no SDWA).

System Action: CICS continues normally. This message is followed either by message DFHFC0931 or by DFHFC0932. The following message indicates the action taken for the table involved. A system dump is taken for unexpected errors (X'*ff*' =X'01') and for abends (if dumps are requested for that abend code).

User Response: The response depends on the reason for the failure as indicated in the first byte of the reason code:

X'01' Use the system dump to help you determine the cause of the problem.

X'04' Refer to the documentation of the MVS RESMGR macro to interpret the low-order byte of the register 15 return code reported in the reason code.

X'06' The most likely reason for a failure of the CICS SVC call is that the data tables SVC module DFHDTSVC could not be loaded, in which case the return code value is X'02'. If this is the case, check that the DFHDTSVC module is in the LPA or in an authorized library in the link list of the MVS system. If the module is in the correct location, investigate why it could not be loaded. There might be a hardware fault on the disk. Another less likely value for the return code is X'06', which implies that DFHDTSVC has been relink-edited and not marked reentrant.

X'08' Refer to the documentation of the MVS DSPSERV macro to interpret the register 0 and register 15 return codes reported in the additional information part of the reason code.

X'09' The function code (service type) and qualifier (options) reported in the reason code can be used to determine which ALESERV request was being attempted. Refer to the MVS ALESERV documentation and macro to interpret the function code, qualifier, and register 15 return code reported in the reason code.

X'0E' This might indicate that the limit on the number of ENQs per address space has been reached, or that another TCB running in this CICS address space has already initialized as a requester of shared data table services.

≥ **X'80'** When the reason code indicates that an abend has been detected, use the additional information provided in the reason code to find out what the abend was, and refer to information on that abend code to determine the cause.

Destination: Console

Module: DFHFCFS

XMEOUT Parameters: *applid, X'code'*

DFHFC0411 *applid* **Data table cannot be opened. Data table initialization has failed owing to a storage failure - reason code** *X'code'***.**

Explanation: CICS is about to open a data table but has been unable to initialize shared data table services because of a failure to obtain storage. The value of the reason code, X'*code*', provides further information about the type of storage which could not be obtained.

The format of the reason code is X'*ttnnnnnn*' in which *tt* identifies the type of storage and, for some of the codes, *nnnnnn* gives the hexadecimal size in bytes of the storage which could not be obtained. For fixed-length storage blocks, the reason code does not usually report the size.

The values of X'*tt*' are:

X'01' Private storage from MVS subpool 230 (key 0) for a work area used by the data tables SVC

X'02' Private storage from MVS subpool 0 for the local header block used by a shared data table server

X'03' Private storage from MVS subpool 0 for a pool for data table blocks

X'04' Private storage from MVS subpool 0 for a pool for file blocks

X'08' MVS/ESA data space storage

X'09' Private storage from MVS subpool 230 (key 0) for a region anchor

X'11' Private storage from MVS subpool 0 for a dummy recovery block

X'12' Storage from MVS subpool 252 required to load the DFHDTAM load module

X'13' Private storage from MVS subpool 230 (CICS key) for a parameter list used by the data tables SVC

X'14' Private storage from MVS subpool 230 (key 0) for a new ALET list section

System Action: CICS continues normally. This message is followed either by message DFHFC0931 or by DFHFC0932. The following message indicates the action taken for the table involved.

User Response: The response depends on the type of storage indicated by the reason code. If it indicates private storage, you should reconsider the various region size parameters which have been specified on the CICS job, or have been set as defaults for the system by IEALIMIT or the IEFUSI installation exit. It might be necessary to take an SDUMP of the CICS job and process it using the VERBEXIT VSMDATA in order to investigate the way in which MVS storage has been allocated to the various subpools.

If it indicates data space storage, check whether the size of data spaces in this MVS system has been limited by use of the IEFUSI installation exit.

Destination: Console

Module: DFHFCFS

XMEOUT Parameters: *applid, X'code'*

DFHFC0412 *applid* **Data table cannot be opened. Data table initialization has failed owing to a module loading failure - reason code** *X'code'***.**

Explanation: CICS is about to open a data table but a module loading failure has prevented the initialization of shared data table services. The value of the reason code, X'*code*', provides further information about which module was being loaded, and what went wrong with the attempt to load it.

The format of the reason code is X'*mfrraaaa*' in which *m* identifies the module and *f* is a code for the type of failure. For some failures, *rr* contains the register 15 return code from the failing macro call, and *aaaa* might contain additional information.

The value of X'*m*' can be:

X'1' DFHDTFOR

X'2' DFHDTAM

X'6' DFHMVRMS

The values of X'*f*' are:

X'1' module not found by a LOAD, BLDL or CSVQUERY macro call.

X'2' an error was returned by the MVS LOAD macro. The two bytes X'*aaaa*' of additional information in the reason code contain the completion code from the LOAD. X'*rr*' is the register 15 return code.

X'3' an error was returned by the MVS CSVQUERY macro. X'*rr*' is the register 15 return code.

X'4' an error was returned by the MVS BLDL macro. The two bytes X'*aaaa*' of additional information in the reason code contain the R0 reason code returned by BLDL.

X'5' the module is not reentrant.

X'6' the module had the wrong AMODE.

X'7' the module had the wrong RMODE.

Note for CICS/ESA 3.2.1 users: There is an additional code of X'08000000' which is only seen on a CICS/ESA 3.2.1 system that has DFHDTINS installed in the LPA or in its load library, and has mistakenly loaded this module.

System Action: CICS continues normally. This message is followed either by message DFHFC0931 or by DFHFC0932. The following message indicates the action taken for the table involved.

User Response: The response depends on the reason for the failure as indicated in the second hex digit of the reason code:

X'1' Use the first hex digit to determine which module could not be found, and ensure that it is in the correct library.

X'2' Refer to the documentation of the MVS LOAD macro to interpret the return and completion codes given in the reason code. There might also be a message from the MVS LOAD which explains the reason for the failure.

X'3' Refer to the documentation of the MVS CSVQUERY macro to interpret the return code given in the second byte of X'*code*'.

X'4' This indicates an I/O error or a storage allocation failure. Refer to the documentation of the MVS BLDL macro to interpret the values in the reason code X'*code*'.

X'5', X'6', X'7' Use the first digit of the reason code to determine the name of the module, then check the status of that module. These errors imply that it is

either not the module which was supplied with CICS or that it has become corrupted.

Note for CICS/ESA 3.2.1 users: If the reason code was X'08000000', the shared data tables module DFHDTINS has been incorrectly installed in a library which is used by this CICS/ESA 3.2.1 system. If DFHDTINS is in the load library specified by this CICS, it should be removed: shared data tables support cannot be installed on a CICS system at a lower level than 3.3. If it is in the link pack area (LPA) of this MVS system, it should be removed: the DFHDTINS module should not be placed in the LPA of an MVS system which contains any CICS regions at release 3.2.1 which might want to use data tables, unless a PTF has been applied to the CICS 3.2.1 regions

Destination: Console

Module: DFHFCFS

XMEOUT Parameters: *applid, X'code'*

DFHFC0415 *applid* **Remote data tables cannot be accessed. Shared data table initialization has failed for reason** *X'code'***.**

Explanation: CICS is about to access a remote file resource which may have an associated shared data table. However, shared data tables cannot be used to access any remote tables because CICS has been unable to initialize data table services. The value of the reason code, X'*code*', provides further information about why this CICS region was unable to perform the initialization required to act as a requester of shared data table services.

The format of the reason code is either: X'*ffaaaaaa*' in which *ff* is a value less than X'80' that identifies the type of failure, and *aaaaaa* is additional information provided for some of the failures; or, when an abnormal termination (ABEND) has occurred, X'*axxxrrrr*' in which *a* is a value greater than or equal to X'8' that categorizes the type of abend, *rrrr* contains any register 15 abend reason code, and *xxx* contains the system or user completion code as three hexadecimal digits.

When X'*code*' < X'80000000', the values of X'*ff*' are:

X'01' An unexpected failure occurred. This code is reported when the data tables SVC detects an error which should never occur.

X'06' An error was returned by the CICS SVC. The first byte of the additional information, *aa0000*, is the register 15 return code from the attempt to call the CICS SVC.

X'0E' An attempt to serialize the use of shared data table services (thus ensuring that only one TCB per address space can use the services) has failed. The first byte of additional information contains the ENQ return code.

When X'*code*' ≥ X'80000000', the values of X'*a*' are formed from combinations of:

X'8' An abend was detected.

X'4' A user abend was detected, in which case *xxx* contains the hexadecimal equivalent of the user completion code (otherwise, *xxx* contains the hexadecimal system completion code).

X'2' An abend was detected but could not be analyzed fully because no SDWA was available.

X'1' An asynchronous abend was detected (otherwise, the abend was synchronous or could not be classified because there was no SDWA).

System Action: CICS continues normally and function ships this and subsequent remote file requests. Initialization is retried after about 10 minutes. A system dump is taken for unexpected errors (X'*ff*' =X'01') and for abends (if dumps are requested for that abend code).

User Response: The response depends on the reason for the failure as indicated in the first byte of the reason code:

X'01' Use the system dump to help you determine the cause of the problem.

X'06' The most likely reason for a failure of the CICS SVC call is that the data tables SVC module DFHDTSVC could not be loaded, in which case the return code value is X'02'. If this is the case, check that the DFHDTSVC module is in the LPA or in an authorized library in the link list of the MVS system. If the module is in the correct location, then investigate why it could not be loaded; possibly there might be a hardware fault on the disk. Another less likely value for the return code is X'06', which implies that DFHDTSVC has been relink-edited and not marked reentrant.

X'0E' This might indicate that the limit on the number of ENQs per address space has been reached, or that another TCB running in this CICS address space has already initialized as a requester of shared data table services.

≥ **X'80'** When the reason code indicates that an abend has been detected, use the additional information provided in the reason code to find out what the abend was, and refer to information on that abend code to determine the cause.

Destination: Console

Module: DFHFCFS

XMEOUT Parameters: *applid, X'code'*

DFHFC0416 *applid* **Remote data tables cannot be accessed. Shared data table initialization has failed owing to a storage failure - reason code** *X'code'***.**

Explanation: CICS is about to access a remote file resource. However, a failure to get storage has prevented CICS from initializing shared data table services. The value of the reason code, X'*code*', provides further information about the type of storage which could not be obtained:

The format of the reason code is X'*ttnnnnnn*' in which *tt* identifies the type of storage and, for some of the codes, *nnnnnn* gives the hexadecimal size in bytes of the storage which could not be obtained. For storage blocks whose length is fixed, the reason code does not usually report the size.

The values of X'*tt*' are:

X'01' Private storage from MVS subpool 253 (below the 16MB line) for a work area required by module DFHQSSS

X'02' Private storage from MVS subpool 0 for the shared data table header block required for this CICS to act as a data tables requester

X'09' Private storage from MVS subpool 230 (key 0) for a region anchor

X'0A' ECSA storage from subpool 241 (key 0) for a qualified subsystem block

X'0B' ECSA storage from MVS subpool 241 (key 0) for a system anchor

X'0E' Private storage from MVS subpool 230 (key 0) for a connect header block

System Action: CICS continues normally and function ships this and subsequent remote file requests. Initialization is retried after about 10 minutes.

User Response: The response depends on the type of storage indicated by the reason code.

If it indicates private storage, you should reconsider the various region size parameters which have been specified on the CICS job or have been set as defaults for the system by IEALIMIT or the IEFUSI installation exit. It might be necessary to take an SDUMP of the CICS job and process it using the VERBEXIT VSMDATA in order to investigate the way in which MVS storage has been allocated to the various subpools.

If it indicates ECSA (extended common service area) storage, you should review the CSA size specified in system parameter list IEASYSxx, or by use of the CSA override on initialization of the MVS system. You should also review the size of the ESQA, since the system might have started to use ECSA storage if the ESQA storage is depleted.

Destination: Console

Module: DFHFCFS

XMEOUT Parameters: *applid, X'code'*

DFHFC0417 *applid* **Remote data tables cannot be accessed. Shared data table initialization has failed owing to a module loading failure - reason code** *X'code'***.**

Explanation: CICS is about to access a remote file resource. However, shared data tables cannot be used to access any remote tables because a module loading failure prevents CICS from initializing data table services.

The value of the reason code, X'*code*', provides further information about which module was being loaded, and what went wrong with the attempt to load it.

The format of the reason code is X'*mfrraaaa*' in which *m* identifies the module and *f* is a code for the type of failure. For some failures, *rr* contains the register 15 return code from the failing macro call, and *aaaa* might contain additional information.

The value of X'*m*' can be:

X'3' DFHDTAOR

X'4' DFHDTCV

The values of *f* are:

X'1' module not found by LOAD

X'2' an error was returned by the MVS LOAD macro. The two bytes X'*aaaa*' of additional information in the reason code contain the completion code from the LOAD. X'*rr*' contains the register 15 return code

X'5' the module is not reentrant.

X'6' the module had the wrong AMODE.

System Action: CICS continues normally and function ships this and subsequent remote file requests. Initialization is retried after about 10 minutes.

User Response: The response depends on the reason for the failure as indicated in the second hex digit of the reason code:

X'1' Use the first hex digit to determine which module could not be found, and ensure that it is in the correct library.

X'2' Refer to the documentation of the MVS LOAD macro to interpret the return and completion codes reported in the reason code. There might also be a message from the MVS LOAD which explains the reason for the failure.

X'5', X'6' Use the first digit of the reason code to determine the name of the module, then check the status of that module. This error implies that it is either not the module which was supplied with CICS or that it has become corrupted.

Destination: Console

Module: DFHFCFS

XMEOUT Parameters: *applid, X'code'*

DFHFC0420 *applid* **Shared access to data tables cannot be provided by this CICS system because it has not been registered as a shared data table server - reason code** *X'code'***.**

Explanation: CICS is about to open a data table but has been unable to do so because this CICS system has not been registered as a shared data table server. The value of the reason code, X'*code*', provides further information about why this CICS system was unable to register (LOGON) as a shared data table server.

The format of the reason code is either: X'*ffaaaaaa*' in which *ff* is a value less than X'80' that identifies the type of failure, and *aaaaaa* is additional information provided for some of the failures; or, when an abnormal termination (ABEND) has occurred, X'*axxxrrrr*' in which *a* is a value greater than or equal to X'8' that categorizes the type of ABEND, *rrrr* contains any register 15 ABEND reason code, and *xxx* contains the system or user completion code as three hexadecimal digits.

When X'*code*' < X'80000000', the values of X'*ff*' are:

X'01' This code is reported when the data tables SVC detects an unexpected error.

X'02' Another region within the MVS image with the same APPLID as this region is already registered (logged on) as a shared data tables server.

X'03' DFHDTRM has supplied the data tables SVC with an invalid address for the PC vector, or the PC vector specifies an invalid number of entry table entries (ETEs). In the latter case, X'*aaaaaa*' contains the number of ETEs that were requested.

X'04' A failure occurred when attempting to establish an MVS resource manager for end-of-memory processing. The first byte of the additional information, X'*aa0000*' contains the low order byte of the register 15 return code from the MVS RESMGR macro.

X'05' A failure occurred when attempting to make the server address space permanently non-swappable. The additional information, X'*aaaaaa*', contains the low order 3 bytes of the code posted in an ECB that was specified when the SYSEVENT TRANSWAP macro was issued.

X'06' An error was returned by the CICS SVC. The first byte of the additional information, X'*aa0000*' is the register 15 return code from the attempt to call the CICS SVC.

X'0D' An error occurred when issuing an MVS ENQ to ensure that, at any given time, only one server per MVS system can be active for a given APPLID. The first byte of the additional information, X'*aa0000*' contains the return code from ENQ.

X'10' An attempt to create the environment for shared data tables connect security checks has found that the security environment has already been set up.

X'11' There is a disparity between the actual version of the CICS security block and the version which was used to assemble the shared data tables module DFHDTXS.

When X'*code*' ≥ X'80000000', the values of X'*a*' are formed from combinations of:

X'8' An ABEND was detected.

X'4' A user ABEND was detected, in which case *xxx* contains the hexadecimal equivalent of the user completion code (otherwise, *xxx* contains the hexadecimal system completion code).

X'2' An ABEND was detected but could not be analyzed fully because no SDWA was available.

X'1' An asynchronous ABEND was detected (otherwise, the abend was synchronous or could not be classified because there was no SDWA).

System Action: CICS continues normally and attempts to open the table for local use only. A system dump is taken for unexpected errors (X'*ff*' =X'01') and for ABENDs (if dumps are requested for that ABEND code).

User Response: The response depends on the reason for the failure as indicated in the first byte of the reason code:

X'01' Use the system dump to help you determine the cause of the problem.

X'02' There cannot be more than one region with a given APPLID acting as a shared data table server within the same MVS image.

X'03' This error might indicate that some corruption of the system has occurred, or that there is an error in CICS code.

X'04' Refer to the documentation of the MVS RESMGR macro to interpret the return code reported in the additional information part of the reason code.

X'05' Refer to the documentation of the MVS SYSEVENT macro to interpret the ECB contents reported in the additional information part of the reason code.

X'06' Server initialization should have been completed before LOGON is issued, so CICS SVC errors associated with the loading of the data tables SVC module DFHDTSVC should not be encountered. Therefore this error probably indicates a logic problem or corruption of your system.

X'0D' Refer to the documentation of the MVS ENQ macro to interpret the return code reported in the additional information part of the reason code.

X'10' This error might indicate that some corruption of the system has occurred, or that there is an error in CICS code.

X'11' This error might indicate that service has been applied which requires PTFs to both base CICS and the shared data tables code, and only one has been correctly updated, or that some corruption of the system has occurred, or that there is an error in CICS.

≥ X'80' When the reason code indicates that an ABEND has been detected, use the additional information provided in the reason code to find out what the ABEND was, and refer to information on that ABEND code to determine the cause.

Destination: Console

Module: DFHFCFS

XMEOUT Parameters: *applid, X'code'*

DFHFC0421 *applid* **Shared access to data tables cannot be provided by this CICS system because a storage failure has prevented it from registering as a shared data table server - reason code** *X'code'***.**

Explanation: CICS is about to open a data table but cannot do so because a failure to acquire storage has prevented the register of this CICS system as a shared data table server. The value of the reason code, X'*code*', provides further information about the type of storage which could not be obtained:

The format of the reason code is X'*ttnnnnnn*' in which *tt* identifies the type of storage and, for some of the codes, *nnnnnn* gives the hexadecimal size in bytes of the storage which could not be obtained. For storage blocks whose length is fixed, the reason code does not usually report the size.

The values of X'*tt*' are:

X'01' private storage from MVS subpool 253 (below the 16MB line) for a work area for module DFHQSSS or from MVS subpool 230 (key 0) for a work area used by the data tables SVC LOGON processing

X'0A' ECSA storage from MVS subpool 241 (key 0) for a qualified subsystem block

X'0B' ECSA storage from MVS subpool 241 (key 0) for a system anchor

X'0C' ECSA storage from MVS subpool 241 (key 0) for a server element

X'0D' ECSA storage from MVS subpool 241 (key 0) for a security block

System Action: CICS continues normally and attempts to open the table for local use only.

User Response: The response depends on the type of storage indicated by the reason code.

If it indicates private storage then you should probably reconsider the various region size parameters which have been specified on the CICS job, or have been set as defaults for the system by IEALIMIT or the IEFUSI installation exit. It might be necessary to take an SDUMP of the CICS job and process it using the VERBEXIT VSMDATA in order to investigate the way in which MVS storage has been allocated to the various subpools.

If it indicates ECSA (extended common service area) storage, you should review the CSA size specified in system parameter list IEASYSxx, or by use of the CSA override on initialization of the MVS system. You should also review the size of the ESQA, since the system might have started to use ECSA storage if the ESQA storage is depleted.

Destination: Console

Module: DFHFCFS

XMEOUT Parameters: *applid, X'code'*

DFHFC0422 *applid* **Shared access to data tables cannot be provided by this CICS system because a module loading failure has prevented it from registering as a shared data table server - reason code** *X'code'***.**

Explanation: CICS is about to open a data table but cannot do so because a module loading failure has prevented the register of this CICS system as a shared data table server.

The value of the reason code, X'*code*', provides further information about which module was being loaded, and what went wrong with the attempt to load it.

The format of the reason code is X'*mfrraaaa*' in which *m* identifies the module and *f* is a code for the type of failure. For some failures, *rr* contains the register 15 return code from the failing macro call, and *aaaa* might contain additional information.

The value of X'*m*' can be:

X'5' DFHDTXS

The values of X'*f*' are:

X'1' module not found by LOAD

X'2' an error was returned by the MVS LOAD macro. The two bytes X'*aaaa*' of additional information in the reason code contain the completion code from the LOAD. X'*rr*' contains the register 15 return code.

X'5' the module is not reentrant.

X'6' the module had the wrong AMODE.

System Action: CICS continues normally and attempts to open the table for local use only.

User Response: The response depends on the reason for the failure as indicated in the second hex digit of the reason code:

X'1' Use the first hex digit to determine which module could not be found, and ensure that it is in the correct library.

X'2' Refer to the documentation of the MVS LOAD macro to interpret the return and completion codes given in the reason code. There might also be a message from the MVS LOAD which explains the reason for the failure.

X'5', X'6' Use the first digit of the reason code to determine the name of the module, then check the status of that module. This error implies that it is either not the module which was supplied with CICS or that it has become corrupted in some way.

Destination: Console

Module: DFHFCFS

XMEOUT Parameters: *applid, X'code'*

DFHFC0430 *applid* **Data table open request for file** *filename* **has failed for reason** *X'code'***.**

Explanation: CICS has attempted to create a data table for file resource *filename* but has been unable to do so.

System Action: CICS continues normally. This message is followed either by message DFHFC0931 or by DFHFC0932. The following message indicates the action taken for the specified table.

User Response: This indicates an internal error or a corruption of your system. You may need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Module: DFHFCFS

XMEOUT Parameters: *applid, filename, X'code'*

DFHFC0431 *applid* **Data table open request for file** *filename* **has failed owing to a storage failure - reason code** *X'code'***.**

Explanation: CICS has attempted to create a data table for file resource *filename* but has been unable to do so owing to a failure to get storage. There is insufficient storage above the 16MB line and the value of the reason code, X'*code*', provides further information about the type of storage which could not be obtained.

The format of the reason code is X'*ttnnnnnn*' in which *tt* identifies the type of storage and, for some of the codes, *nnnnnn* gives the hexadecimal size in bytes of the storage which could not be obtained. For storage blocks whose length is fixed, the reason code does not usually report the size.

The values of X'*tt*' are:

X'03' private storage from MVS subpool 0 for a data table block

X'04' private storage from MVS subpool 0 for a file block

X'05' private storage from MVS subpool 0 for a pool of backout cells (the pool is created if the file being opened is the first recoverable user-maintained table to be opened in this CICS run)

X'06' private storage from MVS subpool 0 for a pool of table entry descriptor blocks, or for a descriptor block to be used when loading the table

X'07' private storage from MVS subpool 0 for data table index storage

X'08' storage for a pool of data table records in the MVS/ESA data space

System Action: CICS continues normally. This message is followed either by message DFHFC0931 or by DFHFC0932. The following message indicates the action taken for the table involved.

User Response: The response depends on the type of storage indicated by the reason code.

If it indicates private storage then you should probably reconsider the various region size parameters which have been specified on the CICS job, or have been set as defaults for the system by IEALIMIT or the IEFUSI installation exit. It might be necessary to take an SDUMP of the CICS job and process it using the VERBEXIT VSMDATA in order to investigate the way in which MVS storage has been allocated to the various subpools.

If it indicates data space storage then check whether the size of data spaces in this MVS system has been limited by use of the IEFUSI installation exit.

Destination: Console

Module: DFHFCFS

XMEOUT Parameters: *applid, filename, X'code'*

DFHFC0435 *applid* **Data table access request for remote file** *filename* **has failed for reason** *X'code'***.**

Explanation: An error has occurred while the requesting region was attempting to establish a connection to the remote file *filename* owned by the serving region. The value of the reason code, X'*code*', provides further information about why CICS was unable to connect to the remote file.

The format of the reason code is either: X'*ffaaaaaa*' in which *ff* is a value less than X'80' that identifies the type of failure, and *aaaaaa* is additional information provided for some of the failures; or, when an abnormal termination (ABEND) has occurred, X'*axxxrrrr*' in which *a* is a value greater than or equal to X'8' that categorizes the type of ABEND, *rrrr* contains any register 15 ABEND reason code, and *xxx* contains the system or user completion code as three hexadecimal digits.

When X'*code*' < X'80000000', the values of X'*ff*' are:

X'01' An unexpected failure occurred. This code is reported when the data tables SVC detects an error which should never occur.

X'06' An error was returned by the CICS SVC. The first byte of the additional information, *aa0000*, is the register 15 return code from the attempt to call the CICS SVC.

X'07' The connection index returned by the data tables SVC exceeds the maximum value supported by the calling module (2^{20} - 1).

X'0A' The scan of the chain of files owned by the serving region has failed because there is a permanently invalid entry on the chain which indicates that the chain has become damaged.

X'0B' The number of connections by this requesting CICS region to the remote file is already at the allowed maximum (2^{32} - 1).

X'0C' The vector which records details of all connections to shared data tables by this requesting CICS region needs expanding, but this would cause it to equal or exceed a size of 16MB.

X'0F' An attempt to serialize with termination of the server has failed because the number of ENQs has reached the address space limit. The first byte of the additional information, X'*aa0000*', contains the return code from the ENQ.

When X'*code*' ≥ X'80000000', the values of X'*a*' are formed from combinations of:

X'8' An ABEND was detected.

X'4' A user ABEND was detected, in which case *xxx* contains the hexadecimal equivalent of the user completion code (otherwise, *xxx* contains the hexadecimal system completion code).

X'2' An ABEND was detected but could not be fully analyzed because no SDWA was available.

X'1' An asynchronous ABEND was detected (otherwise, the abend was synchronous or could not be classified because there was no SDWA).

System Action: CICS continues normally and function ships this and subsequent remote file requests. Use of shared tables is retried after about 10 minutes. A system dump is taken for unexpected errors (X'*ff*' =X'01') and for ABENDs (if dumps are requested for that ABEND code).

User Response: The response depends on the reason for the failure as indicated in the first byte of the reason code:

X'01' Use the system dump to help you determine the cause of the problem.

X'06' Requester initialization should have been completed before CONNECT is issued, so CICS SVC errors associated with the loading of the data tables SVC module DFHDTSVC should not be encountered. Therefore this error probably indicates a logic problem or corruption of your system.

X'07' Some changes to your system configuration should be made, as this requesting region is trying to access too many shared data tables owned by other regions. It is necessary either to reduce the number of remote files being used, or to split the requesting CICS region into a number of smaller regions.

X'0A' This indicates corruption of subpool 0 storage in the server region.

X'0B' This indicates that either the requesting region contains more than 2^{32} - 1 remote file definitions, all of which refer to the same file in the server region, or that storage has been corrupted.

X'0C' Same response as X'07'.

X'0F' Refer to the documentation of the MVS ENQ macro to interpret the return code reported in the additional information part of the reason code.

≥ **X'80'** When the reason code indicates that an ABEND has been detected, use the additional information provided in the reason code to find out what the ABEND was, and refer to information on that ABEND code to determine the cause.

Destination: Console

Module: DFHFCFS

XMEOUT Parameters: *applid, filename, X'code'*

DFHFC0436 *applid* **Data table access request for remote file** *filename* **has failed because of a storage failure - reason code** *X'code'***.**

Explanation: CICS has attempted to access the remote file resource *filename* but cannot do so because of a failure to get storage.

The value of the reason code, X'*code*', provides further information about the type of storage which could not be obtained:

The format of the reason code is X'*ttnnnnnn*' in which *tt* identifies the type of storage and, for some of the codes, *nnnnnn* gives the hexadecimal size in bytes of the storage which could not be obtained. For storage blocks whose length is fixed, the reason code does not usually report the size.

The values of X'*tt*' are:

X'01' Private storage from MVS subpool 230 (key 0) for a work area used by module DFHDTXS or for a work area used by data tables SVC CONNECT processing.

X'0F' Private storage from MVS subpool 230 (key 0) for a connect vector

System Action: CICS continues normally and function ships this and subsequent remote file requests. Use of shared tables is retried after about 10 minutes.

User Response: The response depends on the type of storage indicated by the reason code.

As it indicates private storage, you should probably reconsider the various region size parameters which have been specified on the CICS job, or have been set as defaults for the system by IEALIMIT or the IEFUSI installation exit. It might be necessary to take an SDUMP of the CICS job and process it using the VERBEXIT VSMDATA in order to investigate the way in which MVS storage has been allocated to the various subpools.

Destination: Console

Module: DFHFCFS

XMEOUT Parameters: *applid, filename, X'code'*

DFHFC0440 *applid* **Data table close request for file** *filename* **has failed for reason** *X'code'***.**

Explanation: CICS has attempted to close a data table for file resource *filename* but has been unable to do so.

System Action: CICS continues normally. The table is treated as having been closed.

A system dump is taken for unexpected errors (X'*ff*' =X'01') and for abends (if dumps are requested for that abend code).

User Response: The response depends on the reason for the failure as indicated in the first byte of the reason code:

X'01' Use the system dump to help you determine the cause of the problem.

X'06' Server initialization should have been completed before LOGON is issued, so CICS SVC errors associated with the loading of the data tables SVC module DFHDTSVC should not be encountered. Therefore this error probably indicates a logic problem or corruption of your system.

X'09' The function code (service type) and qualifier (options) reported in the reason code can be used to determine which ALESERV request was being attempted. Refer to the MVS ALESERV documentation and macro to interpret the function code, qualifier, and register 15 return code reported in the reason code.

≥ **X'80'** When the reason code indicates that an ABEND has been detected, use the additional information provided in the reason code to find out what the ABEND was, and refer to information on that abend code to determine the cause.

Destination: Console

Module: DFHFCFS

XMEOUT Parameters: *applid, filename, X'code'*

DFHFC0441 *applid* **Data table close request for file** *filename* **has failed owing to a storage failure - reason code** *X'code'***.**

Explanation: CICS has attempted to close a data table for file resource *filename* but has been unable to do so owing to a failure to release storage.

The format of the reason code is X'*ttnnnnnn*' in which *tt* identifies the type of storage and, for some of the codes, *nnnnnn* gives the hexadecimal size in bytes of the storage which could not be obtained. For storage blocks whose length is fixed, the reason code does not usually report the size.

The values of X'*tt*' are:

X'14' private storage from MVS subpool 230 (key 0) for a new ALET list section

System Action: CICS continues normally. The table is treated as having been closed.

User Response: You should probably reconsider the various region size parameters which have been specified on the CICS job, or have been set as defaults for the system by IEALIMIT or the IEFUSI installation exit. It may be necessary to take an SDUMP of the CICS job and process it using the VERBEXIT VSMDATA in order to investigate the way in which MVS storage has been allocated to the various subpools.

Destination: Console

Module: DFHFCFS

XMEOUT Parameters: *applid, filename, X'code'*

DFHFC0445 *applid* **Data table disconnect request for remote file** *filename* **has failed for reason** *code***.**

Explanation: CICS has attempted to disconnect from the remote data table *filename* but has been unable to do so.

An error has occurred while the requesting region was attempting to break the connection to the remote file *filename* owned by the serving region. The value of the reason code, X'*code*', provides further information about why CICS was unable to disconnect from the remote file.

The format of the reason code is either: X'*ffaaaaaa*' in which *ff* is a value less than X'80' that identifies the type of failure, and *aaaaaa* is additional information provided for some of the failures; or, when an abnormal termination (ABEND) has occurred, X'*axxxrrrr*' in which *a* is a value greater than or equal to X'8' that categorizes the type of ABEND, *rrrr* contains any register 15 ABEND reason code, and *xxx* contains the system or user completion code as three hexadecimal digits.

When X'*code*' < X'80000000', the values of X'*ff*' are:

X'01' An unexpected failure occurred. This code is reported when the data tables SVC detects an error which should never occur.

X'06' An error was returned by the CICS SVC. The first byte of the additional information, *aa0000*, is the register 15 return code from the attempt to call the CICS SVC.

When X'*code*' ≥ X'80000000', the values of X'*a*' are formed from combinations of:

X'8' An ABEND was detected.

X'4' A user ABEND was detected, in which case *xxx* contains the hexadecimal equivalent of the user completion code (otherwise, *xxx* contains the hexadecimal system completion code).

X'2' An ABEND was detected but could not be analyzed fully because no SDWA was available.

X'1' An asynchronous ABEND was detected (otherwise, the abend was synchronous or could not be classified because there was no SDWA).

System Action: CICS continues normally. The table is treated as having been disconnected from the requesting CICS system. A system dump is taken for unexpected errors (X'*ff*' =X'01') and for ABENDs (if dumps are requested for that ABEND code).

User Response: The response depends on the reason for the failure as indicated in the first byte of the reason code:

X'01' Use the system dump to help you determine the cause of the problem.

X'06' Requester initialization should have been completed before DISCONNECT is issued, so CICS SVC errors associated with the loading of the data tables SVC module DFHDTSVC should not be encountered. Therefore this error probably indicates a logic problem or corruption of your system.

≥ **X'80'** When the reason code indicates that an ABEND has been detected, use the additional information provided in the reason code to find out what the ABEND was, and refer to information on that ABEND code to determine the cause.

Destination: Console

Module: DFHFCFS

XMEOUT Parameters: *applid, filename, code*

DFHFC0446 *applid* **Data table disconnect request for remote file** *filename* **has failed because of a storage failure - reason code** *X'code'***.**

Explanation: CICS has attempted to disconnect from the remote data table *filename* but has been unable to do so owing to a failure to release storage.

System Action: CICS continues normally. The table is treated as having been disconnected from the requesting CICS system.

User Response: This indicates an in internal error or a corruption of the system. You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Module: DFHFCFS

XMEOUT Parameters: *applid, filename, X'code'*

DFHFC0490 *applid* **Unable to use data table for file** *filename***.**

Explanation: The data set to which file *filename* relates has an associated data table but CICS is unable to make use of the table data owing to a lack of storage.

System Action: CICS continues normally. Performance of read-only accesses to the file is degraded because records cannot be retrieved from the table.

User Response: Ensure that there is sufficient storage in the CICS region outside the EDSA.

See the *CICS Shared Data Tables Guide* for further guidance.

Destination: Console

Module: DFHFCFS

XMEOUT Parameters: *applid, filename*

DFHFC0500 *applid* **RLS OPEN of file** *filename* **failed. VSAM has returned code** *X'eeee'* **in R15 and reason** *X'cccc'***.**

Explanation: While CICS was opening file *filename*, the CICS file control RLS open/close routine received a nonzero return code from VSAM.

System Action: CICS continues processing with file *filename* closed and its state UNENABLED. Any transaction attempting to use RLS files is sent a NOTOPEN condition.

User Response: For the meaning of the VSAM return code, see *DFSMS/MVS Version 1 Release 5 Macro Instructions for Data Sets*.

Destination: Console

Module: DFHFCRO

XMEOUT Parameters: *applid, filename, X'eeee', X'cccc'*

DFHFC0501 *applid* **RLS OPEN of file** *filename* **failed. VSAM has returned code 16 in R15. RLS access has been disabled.**

Explanation: While CICS was opening file *filename*, the CICS file control open/close routine received a return code of 16 in register 15. This means that the RLS VSAM server is currently unavailable so file control has disabled RLS access.

System Action: CICS continues processing with file *filename* closed and its state UNENABLED. Any transaction attempting to use RLS files is sent a NOTOPEN condition.

CICS file control reenables RLS access when the RLS VSAM server restarts.

User Response: None.

Destination: Console

Module: DFHFCRO

XMEOUT Parameters: *applid, filename*

DFHFC0502 *applid* **RLS OPEN of file** *filename* **failed. Access type switch to RLS attempted while other files open for the same data set have non-RLS access type.**

Explanation: While CICS was opening file *filename*, the CICS file control RLS open/close routine detected that the access type for the file has been changed to RLS but there are still other files open for the data set with non-RLS access type. The file cannot be opened until all the other files have closed.

System Action: CICS continues processing with file *filename* closed and its state UNENABLED. Any transaction attempting to use the file is sent a NOTOPEN condition.

User Response: Close all the other files or change access of this file back to non-RLS. Files for the same data set should have the same access type.

Destination: Console

Module: DFHFCRO

XMEOUT Parameters: *applid, filename*

DFHFC0503 *applid* **Non-RLS OPEN of file** *filename* **failed. Access type switch to non-RLS attempted while other files open for the same data set have RLS access type.**

Explanation: While CICS was opening file *filename*, the CICS file control open/close routine detected that the access type for the file has been changed to non-RLS but there are still other files open for the data set with RLS access type. The file cannot be opened until all the other files have closed.

System Action: CICS continues processing with file *filename* closed and its state UNENABLED. Any transaction attempting to use the file is sent a NOTOPEN condition.

User Response: Close all the other files or change access of this file back to RLS. Files for the same data set should have the same access type.

Destination: Console

Module: DFHFCFS

XMEOUT Parameters: *applid, filename*

DFHFC0504 *applid* **RLS OPEN of file** *filename* **failed. The VSAM SHOWCB macro has detected a RLS VSAM server failure. RLS access has been disabled.**

Explanation: While CICS was opening file *filename*, the CICS file control RLS open/close routine received a return code of X'1A' in register 15. This means that the RLS VSAM server is not available so file control has disabled RLS access. The return code was returned by the SHOWCB macro when CICS was attempting to find the reason for the open failure that had just been detected.

System Action: CICS continues processing with file *filename* closed and its state UNENABLED. Any transaction attempting to use RLS files is sent a NOTOPEN condition. CICS reenables RLS access when the RLS VSAM server restarts.

User Response: None.

Destination: Console

Module: DFHFCRO

XMEOUT Parameters: *applid, filename*

DFHFC0505 *applid* **RLS CLOSE of file** *filename* **failed. The VSAM SHOWCB macro has detected a RLS VSAM server failure. RLS access has been disabled.**

Explanation: While CICS was closing file *filename*, the CICS file control RLS open/close routine received a return code which indicates that the RLS VSAM server is unavailable. Consequently file control has disabled and closed down RLS access. This does not affect the rest of the close processing. The return code is returned by the SHOWCB macro which is invoked during CICS close.

System Action: CICS continues processing with file *filename* closed and its state UNENABLED. Any subsequent close requests for other files which are issued while the server is unavailable also receive the error return code but do not issue this message. CICS reenables RLS access when the RLS VSAM server restarts.

User Response: None.

Destination: Console

Module: DFHFCRO

XMEOUT Parameters: *applid, filename*

DFHFC0507 *applid* **RLS OPEN of file** *filename* **failed. Callable service IGWARLS is not present.**

Explanation: Callable service IGWARLS is required by file control for processing files which have update SERVREQs and are using the VSAM catalog as a repository for data set recovery attributes. CICS expects to find IGWARLS in the LPA. IGWARLS resides in library SYS1.CSSLIB. If SYS1.CSSLIB is not in the LPA concatenation, RLS files with update SERVREQs cannot be opened.

System Action: CICS continues processing with file *filename* closed and its state UNENABLED. Any transaction attempting to use RLS files is sent a NOTOPEN condition.

User Response: If you intend to use RLS access for files with UPDATE SERVREQs, ensure that SYS1.CSSLIB is included in the LPA concatenation.

Destination: Console

Module: DFHFCRO

XMEOUT Parameters: *applid, filename*

DFHFC0508 *applid* **RLS OPEN of file** *filename* **failed. VSAM has returned code X'AA' in register 15. RLS access has been disabled.**

Explanation: While CICS was opening file *filename*, the CICS file control open/close routine received a return code of X'AA' in register 15. This means that the RLS VSAM server is currently unavailable so file control has disabled RLS access.

System Action: CICS continues processing with file *filename* closed and its state UNENABLED. Any transaction attempting to use RLS files is sent a NOTOPEN condition.

CICS file control reenables RLS access when the RLS VSAM server restarts.

User Response: None.

Destination: Console

Module: DFHFCRO

XMEOUT Parameters: *applid, filename*

DFHFC0510 *applid {RLS | Non-RLS}* **OPEN of file** *filename* **failed because the data set is unavailable. Module** *module***.**

Explanation: An attempt to open file *filename* failed because CICS has internally marked the data set as unavailable. This is the result of an earlier EXEC CICS SET DSNAME UNAVAILABLE command, or CEMT equivalent. This prevents the opening of new RLS and non-RLS files against the data set.

System Action: CICS continues processing with file *filename* closed and its state UNENABLED. Any transactions attempting to use the data set from this CICS region are sent a NOTOPEN condition.

User Response: Ensure that an EXEC CICS SET DSNAME AVAILABLE command (or the CEMT equivalent) is issued before attempting to open the file.

Destination: Console

Modules: DFHFCFS, DFHFCRO

XMEOUT Parameters: *applid, {1=RLS, 2=Non-RLS}, filename, module*

DFHFC0511 *applid* **RLS OPEN of file** *filename* **failed. This CICS has other files open for the data set (or its associated base) with non-RLS access mode. The data set name is** *dsname***.**

Explanation: While CICS was opening file *filename*, the CICS file control RLS open/close routine detected that this region has other files open for the data set *dsname*, or its associated base data set, in non-RLS access mode. The file cannot be opened in RLS access mode until all the other non-RLS mode files have closed, even if these files are accessing the data set in read-only mode. This constraint is to ensure a consistent view of this data set from within each CICS region.

System Action: CICS continues processing with file *filename* closed and its state UNENABLED. Any transaction attempting to use the file is sent a NOTOPEN condition.

User Response: Close all the other files or change access of this file to non-RLS mode. Files accessing the same base data set from within a given CICS region must all have the same access mode. This includes access via a path data set.

Destination: Console

Module: DFHFCRO

XMEOUT Parameters: *applid, filename, dsname*

DFHFC0512 *applid* **Non-RLS OPEN of file** *filename* **failed. This CICS has other files open for the data set (or its associated base) with RLS access mode. The data set name is** *dsname***.**

Explanation: While CICS was opening file *filename*, the CICS file control non-RLS open/close routine detected that this region has other files open for the data set *dsname*, or its associated base data set, in RLS access mode. This file cannot be opened in non-RLS access mode until all the other RLS mode files have closed, even if this file is opening the data set in read-only mode. This constraint is to ensure a consistent view of this data set from within each CICS region.

System Action: CICS continues processing with file *filename* closed and its state UNENABLED. Any transaction attempting to use the file is sent a NOTOPEN condition.

User Response: Close all the other files or change access of this file to RLS mode. Files accessing the same base data set from within a given CICS region must all have the same access mode. This includes access via a path data set.

Destination: Console

Module: DFHFCFS

XMEOUT Parameters: *applid, filename, dsname*

DFHFC0513 *applid* **Non-RLS OPEN of file** *filename* **has failed. CICS has unresolved RLS recovery work for the data set (or its associated base). The data set name is** *dsname***.**

Explanation: While CICS was opening file *filename*, the CICS file control non-RLS open/close routine detected that this region has unresolved recovery work for the data set *dsname*, or its associated base data set, which requires the base data set and any associated path data sets to be accessed in RLS mode. This file cannot be opened until all the RLS recovery work has been resolved. This constraint ensures that any automatic resolution of the recovery work is not impeded by non-RLS accesses to the data set.

System Action: CICS continues processing with file *filename* closed and its state UNENABLED. Any transaction attempting to use the file is sent a NOTOPEN condition.

User Response: Use the INQUIRE UOWDSNFAIL command to investigate the RLS recovery work, and take action to resolve it. This may involve retrying backout-failed units of work and resynchronising indoubt-failed units of work. See the *CICS Recovery and Restart Guide* for more information on unit of work failures and their resolution.

Destination: Console

Module: DFHFCFS

XMEOUT Parameters: *applid, filename, dsname*

DFHFC0520 *applid {RLS | Non-RLS}* **OPEN of file** *filename* **failed. IGWARLS call returned codes** *X'rrrr'***,** *X'cccc'* **and problem determination** *X'dddddddd'* **to module** *module***.**

Explanation: While CICS was opening file *filename* and retrieving information from the VSAM catalog using callable service IGWARLS, the CICS file control open/close routine in module *module* detected an error. The return code and reason code from IGWARLS are respectively *rrrr* and *cccc*. ddddddd is any available problem determination information.

System Action: CICS continues processing with file *filename* closed and its state UNENABLED. Any transaction attempting to use this file is sent a NOTOPEN condition.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Use the IGWARLS reason code to determine the cause of the problem. For the meaning of the IGWARLS reason code, see *DFSMS/MVS Version 1 Release 5 DFSMSdfp Advanced Services*.

If you cannot resolve the problem or the problem recurs, there may be a more severe error. In this case, you will need assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Modules: DFHFCFS, DFHFCRO

XMEOUT Parameters: *applid, {1=RLS, 2=Non-RLS}, filename, X'rrrr', X'cccc', X'dddddddd', module*

DFHFC0521 *applid* **RLS OPEN of file** *filename* **failed. Undefined LOG parameter is invalid for an RLS file with update type SERVREQs.**

Explanation: While CICS was opening file *filename* and retrieving information from the VSAM catalog using callable service IGWARLS, the CICS file control open/close routine detected that the LOG parameter for the sphere is undefined. LOG must be specified for a file that has RLS access type and update type servreqs.

System Action: CICS continues processing with file *filename* closed and its state UNENABLED. Any transaction attempting to use this file is sent a NOTOPEN condition.

User Response: Use IDCAMS ALTER to set the LOG parameter for the sphere.

Destination: Console

Module: DFHFCRO

XMEOUT Parameters: *applid, filename*

DFHFC0522 *applid {RLS | Non-RLS}* **OPEN of file** *filename* **failed. IGWARLS call has returned that the LOG parameter is set to ALL but LOGSTREAMID has not been specified. Module** *module***.**

Explanation: While CICS was opening file *filename* and retrieving information from the VSAM catalog using callable service IGWARLS, the CICS file control open/close routine in module *module* detected that the LOG(ALL) has been specified without LOGSTREAMID.

System Action: CICS continues processing with file *filename* closed and its state UNENABLED. Any transaction attempting to use this file is sent a NOTOPEN condition.

User Response: If forward recovery is required, use IDCAMS ALTER to add a LOGSTREAMID for the sphere. Otherwise, remove the forward recovery setting.

Destination: Console

Modules: DFHFCFS, DFHFCRO

XMEOUT Parameters: *applid, {1=RLS, 2=Non-RLS}, filename, module*

DFHFC0523 *applid* **RLS OPEN of file** *filename* **failed. The LOGSTREAMID for forward recovery is the same as the system log. Module** *module***.**

Explanation: While CICS was opening file *filename*, the CICS file control open/close routine in module *module* detected that the LOGSTREAMID for forward recovery is the same as that for the system log. The forward recovery LOGSTREAMID must be different from the system log.

System Action: CICS continues processing with file *filename* closed and its state UNENABLED. Any transaction attempting to use this file is sent a NOTOPEN condition.

User Response: Use IDCAMS ALTER to change the LOGSTREAMID for forward recovery for the sphere. Ensure that it is different from the system log.

Destination: Console

Module: DFHFCRO

XMEOUT Parameters: *applid, filename, module*

DFHFC0524 *applid* **An attempt to write a log record failed because the record length was greater than the maximum supported by that log. Module** *module***.**

Explanation: An attempt to write a log record, as part of a file update operation, has failed because the length of the data in the record was greater than the maximum supported by the associated log stream.

System Action: A trace entry is made and a dump is taken with a dumpcode of FC0524.

User Response: Redefine the log stream using a structure which has a MAXBUFSIZE larger than that of the file update record size.

Destination: Console

Module: DFHFCLJ

XMEOUT Parameters: *applid, module*

DFHFC0525 *applid {RLS | Non-RLS}* **OPEN of file** *filename* **failed because the forward recovery log stream could not be opened. Module** *module*

Explanation: While CICS was opening file *filename*, the CICS file control open/close routine in module *module* detected that the forward recovery log stream for the sphere could not be opened. An internal call to the CICS logger has returned an error.

System Action: CICS continues processing with file *filename* closed and its state UNENABLED. Any transaction attempting to use this file is sent a NOTOPEN condition.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Module: DFHFCFS,DFHFCRO

XMEOUT Parameters: *applid, {1=RLS, 2=Non-RLS}, filename, module*

DFHFC0526 *applid* **An error occurred on the request to the CICS log manager to close the forward recovery log stream for file** *filename***. Module** *module***.**

Explanation: While CICS was processing file *filename*, the CICS file control open/close routine in module *module* detected that a request to close the forward recovery log stream for the associated sphere returned an error.

System Action: Processing continues.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Modules: DFHFCFS, DFHFCRO

XMEOUT Parameters: *applid, filename, module*

DFHFC0527 *applid* **Recovery attributes for file** *filename* **have been overridden by new settings found on the catalog.**

Explanation: While CICS was opening file *filename*, the CICS file control open/close routine detected that the recovery settings for the sphere have changed.

System Action: Processing continues. The new recovery settings are assumed for the sphere.

User Response: Ensure that the change is as required.

Destination: Console

Module: DFHFCRO

XMEOUT Parameters: *applid, filename*

DFHFC0528 *applid* **RLS OPEN of file** *filename* **failed. Recovery attributes on the catalog have changed while there are other files still open for the sphere.**

Explanation: While CICS was opening file *filename* and retrieving information from the VSAM catalog using callable service IGWARLS, the CICS file control open/close routine detected that the recovery attributes on the catalog have changed. There are currently other files open for the sphere which have assumed the previous recovery attributes. Further opens will fail until all files have closed or the recovery attributes are returned to their previous settings. Recovery attributes on the catalog should not be changed without first quiescing the associated sphere in all CICS systems that use it.

System Action: CICS continues processing with file *filename* closed and its state UNENABLED. Any transaction attempting to use this file is sent a NOTOPEN condition.

User Response: Quiesce the sphere and start again with the new settings.

Destination: Console

Module: DFHFCRO

XMEOUT Parameters: *applid, filename*

DFHFC0529 *applid* **Recovery attributes for file** *filename* **have been reset as there has been a switch of access type. Module** *module***.**

Explanation: While CICS was opening file *filename*, the CICS file control open/close routine in module *module* detected that the access type had been changed from RLS to non-RLS VSAM or vice versa. This has the effect of clearing out existing recovery attributes and starting again.

System Action: Processing continues. The new recovery settings are assumed for the sphere.

User Response: None.

Destination: Console

Modules: DFHFCRO, DFHFCFS

XMEOUT Parameters: *applid, filename, module*

DFHFC0530 *applid {RLS | Non-RLS}* **OPEN of file** *filename* **failed. The automatic journal is the same stream as the system log. Module** *module***.**

Explanation: While CICS was opening file *filename*, the CICS file control open/close routine in module *module* detected that the automatic journal for the file is the same stream as that for the system log. This is not allowed so an internal call to the CICS logger has returned an error.

System Action: CICS continues processing with file *filename* closed and its state UNENABLED. Any transaction attempting to use this file is sent a NOTOPEN condition.

User Response: Ensure that the stream given in the FCTE for automatic journaling is different from the system log.

Destination: Console

Modules: DFHFCFS, DFHFCRO

XMEOUT Parameters: *applid, {1=RLS, 2=Non-RLS}, filename, module*

DFHFC0531 *date time applid* **Automatic journal** *journal* **journalname** *journalname***, opened for file** *filename* **is not of type MVS. Module** *module***.**

Explanation: While CICS was opening file *filename*, the CICS file control open/close routine in module *module* detected that the stream specified for the automatic journal, *journalname*, was not of type MVS. For example, it might be a dummy log, or you might be journalling to an SMF data set. This message informs you of this in case the journal type is not what you intended. *journal* is the number specified for JOURNAL on the file definition.

System Action: CICS continues processing.

User Response: Ensure that the stream type for the automatic journal is correct.

Destination: CSFL

Modules: DFHFCN, DFHFCRO

XMEOUT Parameters: *date, time, applid, journal, journalname, filename, module*

DFHFC0532 *applid {RLS | Non-RLS}* **OPEN of file** *filename* **failed because the automatic journal could not be opened. Module** *module***.**

Explanation: While CICS was opening file *filename*, the CICS file control open/close routine in module *module* detected that the automatic journal for the file could not be opened. An internal call to the CICS logger has returned an error.

System Action: CICS continues processing with file *filename* closed and its state UNENABLED. Any transaction attempting to use this file is sent a NOTOPEN condition.

User Response: This is likely to be an internal CICS error. You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Modules: DFHFCFS, DFHFCRO

XMEOUT Parameters: *applid, {1=RLS, 2=Non-RLS}, filename, module*

DFHFC0533 *applid* **An error occurred on the request to the CICS log manager to close the automatic journal for file** *filename***. Module** *module***.**

Explanation: While CICS was processing file *filename*, the CICS file control open/close routine in module *module* detected that a request to close the automatic journal returned an error.

System Action: CICS continues processing.

User Response: This is likely to be an internal CICS error. You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Modules: DFHFCFS, DFHFCRO

XMEOUT Parameters: *applid, filename, module*

DFHFC0534 *applid* **Recovery attributes for file** *filename* **previously taken from the VSAM catalog have been overridden by new settings from the FCTE. Module** *module***.**

Explanation: While CICS was opening file *filename*, the CICS file control open/close routine in module *module* detected that the recovery settings for the sphere have been changed to undefined. For a non-RLS VSAM file, recovery attributes from the FCTE now take effect.

System Action: Processing continues. The new recovery settings are assumed for the file.

User Response: Ensure that this change to the recovery attributes is correct.

Destination: Console

Module: DFHFCFS

XMEOUT Parameters: *applid, filename, module*

DFHFC0535 *applid* **Recovery attributes for file** *filename* **previously taken from the VSAM catalog have been overridden by new settings from the VSAM catalog. Module** *module***.**

Explanation: While CICS was opening file *filename*, the CICS file control open/close routine in module *module* detected that the recovery settings for the sphere on the VSAM catalog have changed. The new recovery attributes now take effect because there are no other files open for the data set.

System Action: Processing continues. The new recovery settings are assumed for the file.

User Response: Ensure that this change to the recovery attributes is correct.

Destination: Console

Module: DFHFCFS

XMEOUT Parameters: *applid, filename, module*

DFHFC0536 *applid* **Recovery attributes for file** *filename* **previously taken from the FCTE have been overridden by new settings from the VSAM catalog. Module** *module***.**

Explanation: While CICS was opening file *filename*, the CICS file control open/close routine in module *module* detected that the recovery settings for the sphere on the VSAM catalog are no longer undefined. The new recovery attributes now take effect because there are no other files open for the data set.

System Action: Processing continues. The new recovery settings are assumed for the file.

User Response: Ensure that this change to the recovery attributes is correct.

Destination: Console

Module: DFHFCFS

XMEOUT Parameters: *applid, filename, module*

DFHFC0537 *applid* **OPEN of file** *filename* **failed. The request to write a tie up record for the OPEN failed.**

Explanation: While CICS was opening file *filename*, a request to write a tie up record for the OPEN failed. CICS has closed the file again and failed the OPEN request.

System Action: CICS continues processing with file *filename* closed and its state UNENABLED. Any transaction attempting to use this file is sent a NOTOPEN condition.

User Response: This is likely to be an internal CICS error. You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Module: DFHFCFS

XMEOUT Parameters: *applid, filename*

DFHFC0539 *applid {RLS | Non-RLS}* **OPEN of file** *filename* **failed. IGWARLS call has returned that the LOG parameter is not set to ALL but the BWO setting has been defined as TYPECICS. Module** *module***.**

Explanation: While CICS was opening file *filename* and retrieving information from the VSAM catalog using callable service IGWARLS, the CICS file control open/close routine in module *module* detected that BWO has been set to TYPECICS but LOG(ALL) has not been specified.

System Action: CICS continues processing with file *filename* closed and its state UNENABLED. Any transaction attempting to use this file is sent a NOTOPEN condition.

User Response: If BWO(TYPECICS) is required, specify LOG(ALL). Alternatively, the setting BWO(NO) is recommended.

Destination: Console

Module: DFHFCFS

XMEOUT Parameters: *applid, {1=RLS, 2=Non-RLS}, filename, module*

DFHFC0540 *applid* **The BWO setting for file** *filename* **has not been explicitly set to NO or TYPECICS and is assumed to be BWO(NO). Module** *module***.**

Explanation: While CICS was opening file *filename*, the CICS file control open/close routine in module *module* detected that the BWO setting for the sphere on the VSAM catalog had not been explicitly specified as either BWO(TYPECICS) or BWO(NO). The setting is assumed to be BWO(NO).

System Action: Processing continues. The BWO(NO) setting is assumed for the file.

User Response: If you require to use backup while open, use the ALTER function of access method services to set BWO(TYPECICS) for this data set. If you do not require to backup while open, you do not need to take any action, but you may wish to use the ALTER function of access method services to explicitly set BWO(NO).

Destination: Console

Module: DFHFCFS

XMEOUT Parameters: *applid, filename, module*

DFHFC0541 *applid* **RLS OPEN of file** *filename* **failed. RLS is not supported.**

Explanation: While CICS was opening file *filename* the CICS file control open/close routine in module *module* detected that RLS was not supported. Either this CICS system is running with system initialization parameter RLS=NO or the level of VSAM does not support RLS.

System Action: CICS continues processing with file *filename* closed and its state UNENABLED. Any transaction attempting to use RLS files is sent a NOTOPEN condition. Determine why RLS access is not supported.

Destination: Console

Module: DFHFCFS

XMEOUT Parameters: *applid, filename*

DFHFC0542 *date time applid* **Forward recovery log ID** *fwdrecovlog*, **journalname** *journalname* **opened for file** *filename* **is not of type MVS. Module** *module*.

Explanation: While CICS was opening file *filename*, the CICS file control open/close routine in module *module* detected that the forward recovery log, *journalname*, was not of type MVS. For example, it might be a dummy log, or you might be logging to an SMF data set. This message informs you of this in case the log type is not what you intended.

fwdrecovlog is the forward recovery log ID specified in the file definition. If the forward recovery log stream is specified in the VSAM catalog rather than in the file definition, it must be of type MVS, so this message can be issued only when the forward recovery log is specified in the file definition.

System Action: CICS continues processing.

User Response: Correct the definition of the forward recovery log if it was not what you had intended.

Destination: CSFL

Module: DFHFCFS

XMEOUT Parameters: *date, time, applid, fwdrecovlog, journalname, filename, module*

DFHFC0555 *applid* **One or more data sets are in lost locks status. CICS will perform lost locks recovery.**

Explanation: CICS had one or more data sets open in RLS access mode at the time of a failure of the coupling facility lock structure from which SMSVSAM was not able to recover transparently. As a result, the RLS locks held by CICS for those data sets have been lost.

SMSVSAM has informed CICS that one or more data sets are in a lost locks state with respect to this CICS. CICS must therefore perform lost locks recovery for those data sets.

This can occur on a CICS warm or emergency restart, and on a dynamic RLS restart. On a CICS cold or initial start, if there are any data sets with lost locks status, that status is cleared with respect to this CICS.

System Action: The data sets with lost locks status are marked as being unavailable for general use. Units of work that attempt to access such data sets abend with an AFCU abend code.

CICS performs lost locks recovery for the data sets. For each data set, lost locks recovery involves waiting until all units of work that had made uncommitted updates to the data set have completed. These units of work are allowed to access the data set, in order to perform their recovery. When CICS has completed lost locks recovery for a data set, it reports this fact to SMSVSAM. When all CICS regions that had been accessing the data set have completed their lost locks recovery, then the data set is made available for general use again. Note that a data set becomes available for general use as soon as its lost locks recovery has been completed; it does not have to wait for all data sets to be recovered.

CICS takes the following actions to expedite lost locks recovery:

- Backout-failed and commit-failed units of work are driven for retry
- On a dynamic RLS restart, inflight transactions that had updated the data set are purged (on a warm or emergency restart, inflight units of work are automatically backed out).

User Response: Lost locks recovery normally completes automatically without requiring any action from the user. However, if there are shunted units of work which had updated a data set with lost locks status, these prevent lost locks recovery from completing until they are resolved. Use the INQUIRE UOWDSNFAIL command to investigate these shunted units of work. See the *CICS Recovery and Restart Guide* for guidance on resolving shunted units of work which hold RLS retained locks.

Destination: Console

Module: DFHFCRR

XMEOUT Parameter: *applid*

DFHFC0556 *applid* **Unexpected notification of completion of lost locks recovery for data set** *dsname*.

Explanation: CICS has received a notification from SMSVSAM that lost locks recovery has completed for data set *dsname*, but CICS still has outstanding lost locks recovery work for that data set. This notification has therefore been issued out of sequence.

System Action: CICS continues processing. The data set remains in a lost locks state, and CICS continues with its lost locks recovery. New file control requests against the data set will continue to be rejected with AFCU abends. When all CICS regions have completed their lost locks recovery for the data set, then a valid notification will be received and CICS will remove the data set from the lost locks state.

There will be an instance of this message on each CICS system for each data set when an unexpected notification is received.

User Response: Lost locks recovery processing should complete normally without any user intervention.

However, this message is an indication of a probable logic error in SMSVSAM, so you should take dumps of all the SMSVSAM servers and their associated data spaces in the sysplex. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Module: DFHFCRR

XMEOUT Parameters: *applid, dsname*

DFHFC0560 *applid* **The register of the RLS control ACB has failed because the SMSVSAM server is not available. VSAM macro IDAREGP return code** *X'rrrr'*, **reason code** *X'cccc'*.

Explanation: While CICS was initializing file control, the call to VSAM to register the control ACB for RLS processing returned an error. The codes returned mean that the SMSVSAM server address space is not available.

System Action: CICS continues processing but all RLS access is disabled. Any transaction attempting to use RLS files is sent a NOTOPEN condition. CICS reenables RLS access when the SMSVSAM server restarts.

User Response: The SMSVSAM server address space should restart itself. If it does not, restart the SMSVSAM server address space manually. If the SMSVSAM server address space fails to restart, there may be a more severe error. In this case, you need assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Module: DFHFCCA

XMEOUT Parameters: *applid, X'rrrr', X'cccc'*

DFHFC0562 *applid* **The RLS control ACB has been successfully registered by CICS.**

Explanation: This message provides a record of the register of the RLS control ACB by CICS.

System Action: CICS processing continues.

User Response: None.

Destination: Console

Module: DFHFCCA.

XMEOUT Parameter: *applid*

DFHFC0563 *applid* **The RLS control ACB has been successfully unregistered by CICS.**

Explanation: This message provides a record of the unregister of the RLS control ACB by CICS.

System Action: CICS processing continues.

User Response: None.

Destination: Console

Module: DFHFCCA.

XMEOUT Parameter: *applid*

DFHFC0564 *applid* **The register of the RLS control ACB has failed. VSAM macro IDAREGP return code** *X'rrrr'***, reason code** *X'cccc'***, error data** *X'dddd'***.**

Explanation: While CICS was initializing access to VSAM RLS, the call to VSAM to register the RLS control ACB returned an error.

System Action: CICS continues processing but all RLS access is disabled. Any transaction attempting to use RLS files is sent a NOTOPEN condition.

User Response: Use the VSAM codes to determine the cause of the problem. For the meaning of the VSAM codes, see *DFSMS/MVS Version 1 Release 5 Macro Instructions for Data Sets*.

If you cannot resolve the problem or the problem recurs, there may be a more severe error. In this case, you will need assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Module: DFHFCCA

XMEOUT Parameters: *applid, X'rrrr', X'cccc', X'dddd'*

DFHFC0565 *applid* **The unregister of the RLS control ACB has failed. VSAM macro IDAUNRP return code** *X'rrrr'***, reason code** *X'cccc'***, error data** *X'dddd'***.**

Explanation: While CICS was quiescing RLS access the call to VSAM to unregister the RLS control ACB returned an error.

System Action: CICS continues processing and all RLS access is disabled. Any transaction attempting to use RLS files is sent a NOTOPEN condition.

User Response: Use the VSAM codes to determine the cause of the problem. For the meaning of the VSAM codes, see *DFSMS/MVS Version 1 Release 5 Macro Instructions for Data Sets*.

If you cannot resolve the problem or the problem recurs, there may be a more severe error. In this case, you will need assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Module: DFHFCCA

XMEOUT Parameters: *applid, X'rrrr', X'cccc', X'dddd'*

DFHFC0566 *applid* **The register of the RLS control ACB has failed. VSAM macro IDAREGP return code** *X'rrrr'***, reason code** *X'cccc'***.**

Explanation: While CICS was initializing access to VSAM RLS, the call to VSAM to register the RLS control ACB returned an error.

System Action: CICS continues processing but all RLS access is disabled. Any transaction attempting to use RLS files is sent a NOTOPEN condition.

User Response: Use the VSAM codes to determine the cause of the problem. For the meaning of the VSAM codes, see *DFSMS/MVS Version 1 Release 5 Macro Instructions for Data Sets*.

If you cannot resolve the problem or the problem recurs, there may be a more severe error. In this case, you will need assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Module: DFHFCCA

XMEOUT Parameters: *applid, X'rrrr', X'cccc'*

DFHFC0567 *applid* **The unregister of the RLS control ACB has failed. VSAM macro IDAUNRP return code** *X'rrrr'***, reason code** *X'cccc'***.**

Explanation: While CICS was quiescing RLS access, the call to VSAM to unregister the RLS control ACB returned an error.

System Action: CICS continues processing and all RLS access is disabled. Any transaction attempting to use RLS files is sent a NOTOPEN condition.

User Response: Use the VSAM codes to determine the cause of the problem. For the meaning of the VSAM codes, see *DFSMS/MVS Version 1 Release 5 Macro Instructions for Data Sets*.

If you cannot resolve the problem or the problem recurs, there may be a more severe error. In this case, you will need assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Module: DFHFCCA

XMEOUT Parameters: *applid, X'rrrr', X'cccc'*

DFHFC0568I *applid* **File control dynamic RLS restart has started.**

Explanation: File control dynamic RLS restart has started.

System Action: Processing continues.

User Response: None. You can suppress this message with the system initialization parameter, MSGLVL=0.

Destination: Console

Module: DFHFCRR

XMEOUT Parameter: *applid*

DFHFC0569I *applid* **File control dynamic RLS restart has ended.**

Explanation: File control dynamic RLS restart has completed successfully.

System Action: Processing continues.

User Response: None. You can suppress this message with the system initialization parameter, MSGLVL=0.

Destination: Console

Module: DFHFCRR.

XMEOUT Parameter: *applid*

DFHFC0570 *applid* **File control RLS access has been enabled.**

Explanation: RLS access is now available.

System Action: Processing continues.

User Response: None.

Destination: Console

Module: DFHFCRR.

XMEOUT Parameter: *applid*

DFHFC0571 *applid* **RLS access cannot be restarted.**

Explanation: An error has occurred while attempting to restart CICS access to VSAM RLS, either at startup, or during a dynamic RLS restart which took place when the VSAM RLS server became available while CICS was running. Because of this error, it may not be possible to access VSAM RLS again during this CICS run.

Access is made available again only if the VSAM RLS server in this MVS system fails causing CICS to perform dynamic RLS restart processing when it restarts, or if you choose to deliberately recycle the RLS server to trigger a dynamic restart.

System Action: CICS continues, but with access to VSAM RLS disabled (unless an offsite restart is being performed). Other CICS functions, including access to non-RLS VSAM files, should continue.

At the time the error affecting RLS restart is detected, CICS issues one or more messages and takes a system dump.

This error might also affect other aspects of this CICS system, for example if it is due to the corruption of internal CICS control structures.

If an **offsite restart** is being performed; that is, if OFFSITE=YES was specified as a system initialization override, then CICS does not continue, but is terminated with a system dump. When RLS offsite recovery is required, then there is no value in continuing without RLS, because it will be needed in order for the offsite restart to be able to complete. Until all CICS systems complete their offsite recovery work, including this one, no other CICS system in the CICSplex will be allowed to perform new RLS work either.

User Response: If you do not need access to any VSAM RLS files from this CICS system, you can allow CICS to continue. For example, this CICS system might never open files in RLS access mode, or you might prefer to continue without RLS access in order to continue this CICS run.

If you do need to access VSAM RLS files from this CICS, consider shutting CICS down and restarting it, or recycling the VSAM RLS server. However, be aware that recycling the server causes all CICS systems in this MVS to go through dynamic RLS restart processing, which implicitly closes all files that were open in RLS access mode.

To determine the cause of the original error, examine the messages and the system dump that were issued when the error was detected.

If you are performing an **offsite restart**, then restart CICS with OFFSITE=YES still specified as a system initialization override.

Destination: Console

Module: DFHFCRR.

XMEOUT Parameter: *applid*

DFHFC0574 *applid* **RLS offsite recovery will be performed. Normal RLS access is not allowed.**

Explanation: OFFSITE=YES has been specified as a SIT override, and RLS is supported by this CICS (RLS=YES has been specified and the level of DFSMS/MVS supports RLS). This message is issued during file control initialization to indicate that RLS offsite recovery processing is to be carried out during this CICS run.

System Action: RLS access is not allowed until after this CICS has performed its RLS recovery work. Only tasks performing the recovery work are allowed RLS access. Message DFHFC0575 is issued when RLS recovery has been completed by this CICS. RLS access for normal work is not allowed until this CICS has issued message DFHFC0575 and received the reply GO. The description of message DFHFC0575 explains when it is safe to reply to the message.

User Response: Wait for message DFHFC0575 to be issued. If this does not happen shortly after CICS restart has completed, there are probably some backout failed or indoubt failed units of work which had updated RLS data sets, and which are now delaying the completion of RLS recovery. In this case you should use the INQUIRE UOWDSNFAIL command to determine the causes of such failures, and to resolve them.

If some of the failures cannot be resolved cleanly, you may decide to force indoubt units of work and to reset locks for backout failed units of work. See the *CICS Recovery and Restart Guide* for guidance on resolving RLS retained locks.

If CICS terminates for any reason before message DFHFC0575 is issued, specify OFFSITE=YES on the restart.

OFFSITE=YES must be specified on all restarts until the offsite recovery has completed and you have responded to message DFHFC0575.

Destination: Console

Module: DFHFCRP

XMEOUT Parameter: *applid*

DFHFC0575D *applid* **Reply 'GO' only after all CICS regions have completed offsite recovery and issued this message.**

Explanation: This message is issued when a CICS system is participating in an offsite recovery of a CICSplex.

The message is issued when this CICS system has completed all of its RLS recovery work. CICS has backed out or committed all units of work which had made updates to data sets open in RLS mode, and which were either inflight or shunted at the time of the disaster at the primary site (or, more exactly, which were in that state at the common point in time to which the CICS system logs have been pruned).

System Action: CICS processing continues, but the system task which issued this message waits for your reply. RLS access is not allowed for user applications until the reply is received, after which

CICS allows new RLS work to run. The User Response explains when it is safe for you to reply.

User Response: The message indicates that RLS recovery work has been completed by a particular CICS region. Replying to it indicates that all RLS recovery for the offsite CICSplex has been completed. Do not reply until all CICS regions in the CICSplex have issued this message. When this has happened, you should reply GO. When you next restart this CICS region after having replied GO, you should revert to the default value of NO for the system initialization parameter OFFSITE.

GO is the only reply allowed. If you supply any other response, the message is reissued with a new reply number.

If you suspect that there will be a problem getting some of the CICS regions in the CICSplex to complete their RLS recovery work, and would therefore prefer to shut this CICS down in the meantime, you can use the master terminal to do so. You must specify OFFSITE=YES when you restart the CICS region because offsite recovery for the CICSplex has not been completed. Remember that OFFSITE=YES must be specified on all restarts until the offsite recovery has completed and you have responded to message DFHFC0575.

Destination: Console

Module: DFHFCOR

XMEOUT Parameter: *applid*

DFHFC0577 *applid* **RLS offsite recovery is now complete. RLS access is allowed.**

Explanation: This message is issued when a CICS system is participating in an offsite recovery of a CICSplex.

The message is issued when the reply GO has been supplied to message DFHFC0575.

System Action: CICS allows user applications to access RLS because it is assumed that a reply of GO means that all CICS systems in the CICSplex have completed their RLS recovery work, and it is therefore safe to allow sharing of RLS data sets.

User Response: Once you have received this message, you can recode your SIT overrides so that OFFSITE=NO is specified when this CICS is next restarted.

Destination: Console

Module: DFHFCOR

XMEOUT Parameter: *applid*

DFHFC0920 *applid* **Open of empty file** *filename* **failed. VSAM codes -** *eeee*,*rrrr*,*cccc*

Explanation: CICS file control issued an OPEN command for VSAM file *filename* but the command failed with VSAM return code *cccc*. The CICS internal error code *eeee* has a value of 8509 and *rrrr* is the return code in register 15.

This failure is probably caused by the file not being loaded before use by CICS.

System Action: CICS continues processing with file *filename* closed and its state UNENABLED. Any transaction attempting to use this file is sent a NOTOPEN condition.

Message DFHME0116 is normally produced containing the symptom string for this problem.

VSAM issues a console error message.

User Response: Check whether the file has been loaded before being accessed by CICS. This condition is probably the result of a user error in passing an empty file to CICS.

For the meaning of the VSAM return code, see *DFSMS/MVS Version 1 Release 5 Macro Instructions for Data Sets*.

Destination: Console

Module: DFHFCFS

XMEOUT Parameters: *applid, filename, eeee, rrrr, cccc*

DFHFC0931 *applid* **OPEN of data table** *name* **failed for reason** *n*.

Explanation: CICS was unable to OPEN the user-maintained data table *name* for reason *n*, where *n* may have one of the following values:

1 The data table support initialization module DFHDTINS could not be loaded.

2 Initialization of data table support has failed. This message is preceded by one of messages DFHFC0410, DFHFC0411 or DFHFC0412 which identifies the reason for the failure.

3 The source data set for the data table is not a KSDS base data set.

4 The data table OPEN module DFHDTST has reported an error. This message is preceded by one of messages DFHFC0430 or DFHFC0431 which identifies the error.

6 The file definition for the data table allows neither read nor browse access.

System Action: The data table remains closed and is DISABLED. CICS processing continues.

User Response: The appropriate user response depends on the reason code *n* as follows:

1 Check that module DFHDTINS is present in the library.

2 See the user action for the preceding message (which will be one of DFHFC0410, DFHFC0411 or DFHFC0412).

3 Check whether the data table has been associated with the intended source data set.

4 See the user action for the preceding message (which will be one of DFHFC0430 or DFHFC0431).

6 Change the SERVREQs in the file definition. There is no benefit in using data tables support for a file which cannot be read or browsed.

Destination: Console

Module: DFHFCFS

XMEOUT Parameters: *applid, name, n*

DFHFC0932 *applid* **OPEN of data table** *name* **was incomplete for reason** *n*.

Explanation: CICS was unable to treat *name* as a CICS-maintained data table for reason *n*.

System Action: The data table's source data set is opened for access as a normal VSAM data set, and no main storage table is built. CICS processing continues.

User Response: The appropriate user response depends on the reason code *n*. Refer to message DFHFC0931 for a list of reason codes and their appropriate user responses.

Urgent action is probably not necessary when this message occurs, as no function has been lost. However, READ performance may be adversely affected.

Destination: Console

Module: DFHFCFS

XMEOUT Parameters: *applid, name, n*

DFHFC0933 *applid* **MVS FREEMAIN failure detected during CLOSE of data table** *name***.**

Explanation: An MVS FREEMAIN, issued while CICS was attempting to release the storage associated with data table *name*, returned the error response R15=4. Some storage in the CICS address space has not been freed. The error is probably the result of some earlier overwriting of data table control areas.

System Action: CICS closes data table *name*. CICS processing continues.

User Response: This condition does not adversely affect the data tables function. However, if the problem recurs take a system dump (SDUMP) as soon as possible after the appearance of this message. For example, by means of a CEMT PERFORM SNAP command.

Destination: Console

Module: DFHFCFS

XMEOUT Parameters: *applid, name*

DFHFC0935 *applid* **SHAREOPTIONS of the source for data table** *name* **allow inconsistencies between table and source.**

Explanation: The cross region SHAREOPTION for the source data set associated with the data table *name* is 3 or 4, or the SHAREOPTION is 2 and the table is being opened only for read access. It is possible for another job in this MVS system to update the source without notifying CICS. The result of this is that the data table may no longer match the source data set.

System Action: Opening and loading of the data table continues normally. CICS processing continues.

User Response: Check that the SHAREOPTION is specified correctly and that the DISP parameter is correct.

Note that source data set changes are reflected in the data table only when the changes are made by the CICS system which owns the table.

Destination: Console

Module: DFHFCFS

XMEOUT Parameters: *applid, name*

DFHFC0936 *applid* **Initiation of loading of data table** *name* **has failed.**

Explanation: An attempt to initiate the table loading transaction for the data table *name* has failed.

System Action: CICS processing continues. The effect this has is that the table always appears to be in the process of being loaded and the load completion exit, XDTLC, is not invoked.

One consequence of this is that the table is effectively **demand loaded**. This means that an entry is only made in the table when a transaction refers to it explicitly. A further consequence is that, for user maintained tables, API requests (other than READ) always result in a LOADING condition.

User Response: Take remedial action after determining the cause of the failure from the trace of the OPEN request and from any related messages and dumps. It may be that the system action of leaving the table open, but not loaded, adversely affects your application. For example, if the application depends on being able to update a user maintained table as soon as loading is complete. If so, closing and reopening the data table may be successful as an immediate response, if the problem was simply a temporary lack of resources.

Destination: Console

Module: DFHFCFS

XMEOUT Parameters: *applid, name*

DFHFC0937 *applid* **OPEN of** *name1* **as a data table was not possible. The file has been opened and will use data table** *name2* **which has the same source.**

Explanation: File *name1* could not be opened as a CICS-maintained data table (CMT) because another CMT *name2* is already open for the source data set specified in the file definition of *name1*. However, *name1* is still able to benefit from shared data tables support by accessing the already open CMT.

System Action: *name1* is opened as a normal CICS file, and therefore automatically uses the existing data table *name2* whenever possible.

User Response: This is not normally a problem, but you should ensure that the data table *name2* has the required characteristics in terms of its maximum number of records and in the behavior of any data table user exits that refer to it.

Destination: Console

Module: DFHFCFS

XMEOUT Parameters: *applid, name1, name2*

DFHFC0940 I *date time applid* **CICS data table load has started for data table** *name***.**

Explanation: CICS file control has detected that an open request has been issued for data table *name*, and a task has been attached to load the data table.

System Action: CICS processing continues.

User Response: None.

Destination: CSFL

Module: DFHDTLX

XMEOUT Parameters: *date, time, applid, name*

DFHFC0941 I *date time applid* **CICS data table load has completed successfully for data table** *name***.**

Explanation: The task that was attached to load the data table *name* has successfully completed loading.

System Action: The user exit XDTLC is invoked, if enabled, with the parameter UEPDTORC set to indicate a successful load. CICS processing continues.

User Response: None.

Destination: CSFL

Module: DFHDTLX

XMEOUT Parameters: *date, time, applid, name*

DFHFC0942 E *date time applid* **CICS data table load has terminated abnormally for data table** *name***, reason code =** *X'xx'***.**

Explanation: The CICS task that is loading data table *name* has received a reason code X'*xx*', where X'*xx*' has one of the following values:

X'FB' CICS file control has requested that the data table load be abandoned. This may occur, for example, if a close request has been made against the data table

X'FD' an attempt has been made to add more entries to the data table than the maximum specified in the table definition

X'FE' a shortage of virtual storage has been reported by the add entry (from DASD) service, due to a failure to get storage for the record.

System Action: The user exit XDTLC is invoked, if enabled, unless file control has requested that the load be abandoned (reason code X'FB'). The value of the UEPDTORC parameter passed to the exit indicates that loading completed abnormally. No more records are loaded into the data table. The user exit may ask for the file to be closed.

If the table is CICS-maintained, provided that the user exit has NOT requested that the file be closed, those records which were not added are retrieved from the source data set to satisfy API requests.

If the table is user-maintained, requests to access any record which was not added results in a “not found” response code. If the table has been closed, then API requests result in an “unenabled” response code.

CICS processing continues.

User Response: The appropriate user response depends on the reason code. User responses are as follows:

X'FB' no action necessary

X'FD' increase the size specified for the data table, either using the SIZE parameter in the FCT entry or the MAXNUMRECS field in the CEDA definition

X'FE' increase the available storage above the 16MB line.

Destination: Console and Transient Data Queue CSFL

Module: DFHDTLX

XMEOUT Parameters: *date, time, applid, name, X'xx'*

DFHFC0943 E *date time applid* **CICS data table load has terminated abnormally for data table** *name***, reason code =** *X'xx'***.**

Explanation: The CICS task that is loading data table *name* has received an unexpected return code from CICS file control while browsing the source data set. The reason code X'*xx*' should be one of the following.

X'02' ILLOGIC—A VSAM error which does not fall into one of the other categories.

X'0C' NOTOPEN—The file is CLOSED and UNENABLED, or still open and in use, but a CLOSE request has been received.

X'0D' DISABLED—The file is disabled.

X'80' IOERR—I/O error.

System Action: The user exit XDTLC is invoked, if enabled, with the parameter UEPDTORC set to indicate that loading completed abnormally. No more records are loaded into the data table. The user exit may ask for the file to be closed.

If the table is CICS-maintained, provided that the user exit has NOT requested that the file be closed, those records which were not added are retrieved from the source data set to satisfy API requests.

If the table is user maintained, requests to access any record which was not added results in a “not found” response code. If the table has been closed, API requests result in an “unenabled” response code.

CICS processing continues.

User Response: Investigate the reason for the return code from CICS file control. For further information about the reason code, see the description of exception conditions for the STARTBR and READNEXT commands, in the *CICS Application Programming Reference*.

Destination: Console and Transient Data Queue CSFL

Module: DFHDTLX

XMEOUT Parameters: *date, time, applid, name, X'xx'*

DFHFC0945 E *date time applid* **CICS data table load has terminated abnormally for data table** *name***.**

Explanation: The special CICS transaction that was loading data table *name* has detected an abnormal termination.

System Action: Depending on the cause of this abnormal termination, CICS may produce either a system dump or a transaction dump.

The user exit XDTLC is invoked, if enabled, with the parameter UEPDTORC set to indicate that loading completed abnormally. CICS then terminates the loading transaction with abend code AFCM. No more records are loaded into the data table. The user exit may ask for the file to be closed.

If the table is CICS-maintained, provided that the user exit has NOT requested that the file be closed, those records which were not added, are retrieved from the source data set to satisfy API requests.

If the table is user-maintained, requests to access any record which was not added result in a “not found” response code. If the table has been closed, then API requests result in an “unenabled” response code.

CICS processing continues.

User Response: Look at the system log for related CICS messages to determine the original abend detected by the loading transaction. Refer to the description of abend code AFCM for further information about the cause of the original termination.

For more information on how to determine system problems, refer to the *CICS Problem Determination Guide*.

Destination: Console and Transient Data Queue CSFL

Module: DFHDTLX

XMEOUT Parameters: *date, time, applid, name*

DFHFC0946 E *date time applid* **CICS data table load has terminated abnormally for data table** *name***, a call to FCFR has failed for reason code =** *n***.**

Explanation: The CICS task that is loading data table *name* has failed while calling file control to browse the source data set. The value of the reason code *n* indicates the type of failure as follows:

1. Response from FCFR was INVALID.
2. Response from FCFR was DISASTER.
3. Response from FCFR was PURGED.
4. FCFR failed for some unexpected reason.

System Action: The user exit XDTLC is invoked, if enabled, with parameter UEPDTORC set to indicate that loading has completed abnormally. CICS then terminates the loading transaction with abend code AFCM. No more records are loaded into the data table. The user exit may ask for the file to be closed.

If the table is CICS-maintained, provided that the user exit has NOT requested that the file be closed, records which were not added are retrieved from the source data set to satisfy API requests. If the table is user-maintained, requests to access any record which was not added result in a “not found” response code.

If the table has been closed, API requests result in an “unenabled” response code.

CICS processing continues.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Determine the cause of the failure of the domain call using the diagnostic information provided by file control.

Destination: Console and Transient Data Queue CSFL

Module: DFHDTLX

XMEOUT Parameters: *date, time, applid, name, n*

DFHFC0947 E *date time applid* **CICS data table load has failed to close data table** *name***, a call to FCFS has failed for reason code =** *n***.**

Explanation: The CICS task that is loading data table *name* has failed while trying to close the file at the request of an exit program invoked at exit point XDTLC. The value of reason code *n* indicates the type of failure as follows:

1. Response from FCFS was INVALID.
2. Response from FCFS was DISASTER.
3. Response from FCFS was PURGED.
4. FCFS failed for some unexpected reason.

System Action: CICS terminates the loading transaction with abend code AFCM.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: It is unlikely that the user exit invoked at the XDTLC exit point would request that the file should be closed unless a previous problem had occurred with the load. Determine the cause of any such previous problem by checking for earlier messages which may have been issued referring to data table *name*. Diagnostic information provided by file control may be used to investigate the failure of the close file call.

CICS processing continues.

Report the details of the symptom string given in message DFHME0116.

Destination: Console and Transient Data Queue CSFL

Module: DFHDTLX

XMEOUT Parameters: *date, time, applid, name, n*

DFHFC0949 *date time applid* **CICS shared data table table load has terminated abnormally. A call to DFHXMIQ to retrieve the parameters for the load transaction has failed with response code =** *n***.**

Explanation: The CICS task to load a shared data table has failed while trying to inquire on the parameters passed to it during attach. The value of the reason code *n* indicates the type of failure as follows:

1. Response from XMIQ was INVALID.
2. Response from XMIQ was DISASTER.
3. Response from XMIQ was PURGED.
4. XMIQ failed for some unexpected reason.

System Action: The user exit XDTLC is not invoked as failure to retrieve the attach parameters means the filename is not known. CICS terminates the loading transaction with abend code AFCL. No records are loaded into the data table.

Requests to access any record which was not added result in a “not found” response code.

CICS processing continues.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Determine the cause of the failure of the domain call using the diagnostic information provided by the CIS Transaction Manager.

The file should be closed so that a load may be attempted again when it is next opened.

Destination: Console and Transient Data Queue CSFL

Module: DFHDTLX

XMEOUT Parameters: *date, time, applid, n*

DFHFC0950 *applid* **Warning. File** *filename* **Opened with VSAM SHROPT 3 or 4. CICS cannot prevent concurrent updates**

Explanation: VSAM share options 3 and 4 permit updating of a data set from multiple regions. Under these circumstances, CICS cannot prevent concurrent updates.

The file is being opened for update against a data set defined with share options 3 or 4, and the file has been defined with the following auto-journaling options:

Either: JREQ=WU or WN if the file is defined using the FCT macro,

Or: JNLADD = BEFORE, AFTER, OR ALL if the file is defined using RDO.

System Action: The file is opened and a warning message is issued.

User Response: None.

Destination: Console

Module: DFHFCN

XMEOUT Parameters: *applid, filename*

DFHFC0951 *applid {RLS | Non-RLS}* **OPEN of file** *filename* **failed. DSNAME not available from JCL or FCT. Module** *module***.**

Explanation: A CICS attempt to open file *filename* failed because neither the JCL nor the FCT specified the data set name.

CICS file control did not open file *filename*, because:

1. At initialization time, the startup JCL did not include a DD statement, *and*
2. No user-submitted routine allocated the file dynamically, *and*
3. The FCT does not contain a DSNAME parameter to enable CICS to allocate the file dynamically.

System Action: CICS continues processing with file *filename* closed and its state UNENABLED. Any transaction attempting to use this file is sent a NOTOPEN condition.

User Response: Before resubmitting the transaction, you must supply the data set name in the JCL or the FCT. You can set the name in the FCT while CICS is running by using the CEMT transaction or the EXEC CICS SET command or by using CEDA to correct and reinstall the FCT entry.

Destination: Console

Modules: DFHFCFS, DFHFCRO

XMEOUT Parameters: *applid, {1=RLS, 2=Non-RLS}, filename, module*

DFHFC0952 *applid* **Dynamic allocation of** *{RLS | Non-RLS}* **file** *filename* **failed. Return code** *X'rrrr',X'cccc'* **in module** *module***.**

Explanation: While dynamically allocating file *filename*, CICS file control issued an MVS DYNALLOC macro. The DYNALLOC failed with return code *cccc*. *rrrr* is the additional return code in register 15.

System Action: CICS continues with file *filename* closed and its state UNENABLED. Any transaction attempting to use this file is sent a NOTOPEN condition.

User Response: for the meaning of the DYNALLOC return codes, see the *OS/390 MVS Programming: Authorized Assembler Services Guide*.

Destination: Console

Modules: DFHFCFS DFHFCRO

XMEOUT Parameters: *applid, {1=RLS, 2=Non-RLS}, filename, X'rrrr', X'cccc', module*

DFHFC0953 *applid* **Non-RLS OPEN or CLOSE of file** *filename* **failed. CICS logic error** *eeee,cccc*

Explanation: While processing a request to open or close file *filename*, CICS detected an internal logic error in the file control services program. The value of *eeee* identifies the error as follows:

8105 The DFHFCFS set base dsname block failed. *cccc* is the return code from DFHFCFS.
8302 Request to DFHFCN for a pool that is not in the FCT.
8701 Request to DFHFCN is not OPEN or CLOSE.
8704 Request to DFHFCL is not BUILD or DELETE.
8705 Request to DFHFCL is for invalid pool number *cccc*.
8706 Request to DFHFCL is for pool number *cccc* that is not in the FCT.
8707 DFHFCL failed to build BLDVRP parameters. *cccc* is the pool number.
8798 Logic error at OPEN detected in DFHFCN at offset *cccc*.

System Action: CICS terminates the task abnormally, produces a dump and continues processing with the status of file *filename* unchanged.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: This is probably a logic error in CICS. You should note, however, that terminating CICS with an immediate shutdown while opening or closing files may cause such logic errors to happen as a normal occurrence. This is because CICS terminated immediately without regard to running tasks.

It is also possible for this error to occur if CICS has to calculate parameters for the BLDVRP macro, (this happens if you do not supply an LSR pool definition either by CEDA DEFINE LSRPOOL or by DFHFCT TYPE=SHRCTL), and all attempts to access the VSAM catalog for files in this LSR pool fail. Other messages are issued for the individual catalog failures.

Destination: Console

Module: DFHFCFS

XMEOUT Parameters: *applid, filename, eeee, cccc*

DFHFC0954 *applid {RLS | Non-RLS}* **OPEN of file** *filename* **failed. No disposition specified for dynamic allocation. Module** *module***.**

Explanation: CICS file control cannot open file *filename*, because it is not allocated. It is not allocated because:

1. At initialization time, the startup JCL did not include a DD statement, *and*
2. The FCT does not contain a DISP parameter to enable CICS to allocate the file dynamically.

System Action: CICS continues processing with file *filename* closed and its state UNENABLED. Any transaction attempting to use this file are sent a NOTOPEN condition.

User Response: If you want to use file *filename* in this run, supply the DISP parameter with the CEMT transaction or with a user transaction using the EXEC CICS SET command. When you have done this, transactions are able to access the file successfully.

The change described above is only effective for the lifetime of the CICS system. A permanent disposition definition of a file can be made either through a JCL DD statement, through a DEFINE file command, or through the DISP=operand of a macro FCT definition.

Destination: Console

Modules: DFHFCFS DFHFCRO

XMEOUT Parameters: *applid, {1=RLS, 2=Non-RLS}, filename, module*

DFHFC0955 *applid* **Associated data set is** *dataset***. Module** *module***.**

Explanation: This message follows DFHFC0952 or DFHFC0510. It identifies the VSAM data set referred to in that message.

System Action: Processing continues in the way specified in DFHFC0952 or DFHFC0510.

User Response: Follow the user response for DFHFC0952 or DFHFC0510 as appropriate.

Destination: Console

Modules: DFHFCFS, DFHFCRO

XMEOUT Parameters: *applid, dataset, module*

DFHFC0956 *applid {RLS | Non-RLS}* **OPEN of file** *filename* **failed. VSAM catalog error. Return code -** *X'eeee',X'cccc'* **in module** *module***.**

Explanation: While reading the VSAM catalog to open the VSAM data set *filename*, CICS file control received the return code *cccc* from a SHOWCAT macro. The value of *eeee* is an error code from DFHFCN as follows:

8112 SHOWCAT for the AIX of a path failed.
8113 SHOWCAT for the data component of a base failed.
8116 SHOWCAT for the base of a path failed.
8117 SHOWCAT for an upgrade member failed.

System Action: CICS writes a system dump, and continues processing, with file *filename* closed and its state UNENABLED. Any transaction attempting to use this file is sent a NOTOPEN condition.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: For the meaning of the SHOWCAT return code, see *DFSMS/MVS Version 1 Release 5 Macro Instructions for Data Sets*.

Destination: Console

Modules: DFHFCFS, DFHFCRO

XMEOUT Parameters: *applid, {1=RLS, 2=Non-RLS}, filename, X'eeee', X'cccc', module*

DFHFC0958 *applid* **Non-RLS OPEN of file** *filename* **failed. VSAM resource usage conflict with open file.**

Explanation: CICS did not open file *filename* because it found that its access method control block (ACB) specified a different buffer/string resource (NSR or LSR pool) from that specified by another ACB that is already open for the same base cluster.

VSAM provides integrity for different ACBs open for the same base cluster only if they use the **same** buffer/string resource.

System Action: CICS writes a system dump and continues processing with file *filename* closed and its state UNENABLED. Any transaction attempting to use this file is sent a NOTOPEN condition.

User Response: Determine the correct buffer/string resource and change the FCT.

Alternatively, if you specify DSNSHR=UPDATE in the FCT and open the file for read only, CICS permits the use of different buffer/string resources because no integrity exposure exists.

Destination: Console

Module: DFHFCFS

XMEOUT Parameters: *applid, filename*

DFHFC0960 *applid* **Non-RLS OPEN of file** *filename* **failed. Unable to build its LSR pool** *n***. Return code -** *cccc***.**

Explanation: CICS has requested VSAM to build the local shared resource (LSR) pool specified in the FCT entry for file *filename*. However, VSAM was unable to complete the request. *n* is the pool number, and *cccc* is the VSAM BLDVRP return code.

System Action: CICS continues processing with file *filename* closed and its state UNENABLED. Any transaction attempting to use this file is sent a NOTOPEN condition.

Note: The first time this error occurs, CICS writes a system dump before continuing.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: For the meaning of the BLDVRP return code, see *DFSMS/MVS Version 1 Release 5 Macro Instructions for Data Sets*.

Destination: Console

Module: DFHFCFS

XMEOUT Parameters: *applid, filename, n, cccc*

DFHFC0961 *date time applid* **Calculation of LSR pool** *n* **parameters incomplete. Filename** *filename* **has no DSNAME.**

Explanation: While dynamically calculating the parameters for the local shared resource pool (LSR) *n*, CICS found an FCT entry for which no DSNAME exists (either the FCT entry has no DSNAME, or no DD statement exists).

System Action: CICS processing continues.

Without a DSNAME, CICS cannot use the VSAM catalog to determine the file attributes. Therefore, in the LSR calculation, CICS uses the number of strings specified in the STRNO parameter of the FCT entry but does not use the BUFFERS or KEYLEN information.

User Response: Ensure that each FCT entry has either a DSNAME, or a DD statement corresponding to its DATASET name.

Destination: Console and Transient Data Queue CSMT

Module: DFHFCFS

XMEOUT Parameters: *date, time, applid, n, filename*

DFHFC0962 *date time applid* **Calculation of LSR pool** *n* **parameters incomplete for file** *filename***. VSAM catalog access error. Return code -** *cccc*

Explanation: While CICS was dynamically calculating the parameters for the local shared resource (LSR) pool *n*, a VSAM SHOWCAT or a VSAM LOCATE failed with return code *cccc*. Parameters for file *filename* are incomplete.

System Action: CICS retains the accumulated LSR parameters for file *filename* and continues processing. No further attempts at calculating LSR parameters for file *filename* are made.

An exception trace is taken which identifies the failing VSAM request and its return code.

User Response: For the meaning of the SHOWCAT return code, see *DFSMS/MVS Version 1 Release 5 Macro Instructions for Data Sets*. For the meaning of the LOCATE return code, see *DFSMS/MVS Version 1 Release 5 DFSMSdfp Advanced Services*. This error indicates a corrupted VSAM catalog. If you cannot restore the catalog, you will need further assistance from IBM to resolve the problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: Console and Transient Data Queue CSMT

Module: DFHFCL

XMEOUT Parameters: *date, time, applid, n, filename, cccc*

DFHFC0963 *applid* **LSR pool** *n* **not deleted. Code -** *cccc*

Explanation: CICS requested VSAM to delete a local shared resource (LSR) pool *n*. During processing of the request, a VSAM DLVRP macro failed with return code *cccc*. (*cccc* is the VSAM DLVRP return code.)

System Action: CICS takes a system dump and continues processing with the pool still in existence.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: For the meaning of the DLVRP return code, see the *DFSMS/MVS Version 1 Release 5 Macro Instructions for Data Sets*.

Destination: Console

Module: DFHFCFS

XMEOUT Parameters: *applid, n, cccc*

DFHFC0964 *applid* **Non-RLS OPEN of file** *filename* **failed. VSAM codes -** *eeee***,***rrrr***,***cccc***.**

Explanation: CICS file control issued an open for a VSAM file, *filename*. The open has failed with VSAM return code, *cccc*. *eeee* has a value of 8502 and represents the CICS internal error code and *rrrr* is the return code in register 15.

System Action: CICS continues processing, with file *filename* closed and its state UNENABLED. Any transaction attempting to use this file is sent a NOTOPEN condition.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: VSAM will have issued a console error message. Use the VSAM message and the VSAM return code in the CICS message to solve the problem.

For the meaning of the VSAM return code, see *DFSMS/MVS Version 1 Release 5 Macro Instructions for Data Sets*.

Destination: Console

Module: DFHFCFS

XMEOUT Parameters: *applid, filename, eeee, rrrr, cccc*

DFHFC0965 *applid* **Open of BDAM file** *filename* **failed.**

Explanation: CICS file control issued an open for a BDAM file, *filename*. The open failed.

System Action: CICS continues processing, with file *filename* closed and with its state UNENABLED. Any transaction attempting to use this file is sent a NOTOPEN condition.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: BDAM will have issued a console error message. Refer to the BDAM message for further guidance to solve the problem.

Destination: Console

Module: DFHFCFS

XMEOUT Parameters: *applid, filename*

DFHFC0966 *applid* **Non-RLS OPEN of file** *filename* **failed. Unable to position ESDS. Error codes:** *eeee,rrrr,cccc.*

Explanation: Before opening the VSAM ESDS file *filename* for output, CICS file control could not determine the end-of-data relative byte address (RBA) correctly. During the positioning process, CICS may perform **any** of the following steps, each of which can fail:

- Dynamically allocate the base cluster to DDname DFHESDS (if it is a path that is being opened)
- Open the base cluster for control interval (CI) processing
- Read the last CI in the file
- Determine the end-of-data in the file
- Close the base cluster
- Dynamically deallocate the base cluster.

The value of *eeee* in the message indicates the error or the failing function as follows:

8503 Open base cluster. *rrrr* is the VSAM return code in register 15. *cccc* is the error field in the VSAM ACB.

8504 Read last control interval (CI). *rrrr* is the VSAM return code in register 15. *cccc* is the FDBK field in the VSAM RPL.

8505 Last CI middle of spanned record.

8506 Close base cluster. *rrrr* is the VSAM return code in register 15. *cccc* is the error field in the VSAM ACB.

8507 Insufficient storage to get CI

8508 Dynamic allocation of base. *rrrr* is the MVS return code in register 15. *cccc* is the MVS DYNALLOC return code.

System Action: CICS continues processing with file *filename* closed and its state UNENABLED. Any transaction attempting to use this file is sent a NOTOPEN condition.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: For the meaning of the VSAM return codes, see *DFSMS/MVS Version 1 Release 5 Macro Instructions for Data Sets*. For the meaning of the DYNALLOC return codes, refer to the *OS/390 MVS Programming: Authorized Assembler Services Guide*. CICS file control uses control interval processing when opening a VSAM ESDS. Therefore, ensure that you have specified ACCESS(CONTROL) for the data set.

Destination: Console

Module: DFHFCFS

XMEOUT Parameters: *applid, filename, eeee, rrrr, cccc*

DFHFC0967 *applid* **Error detected while closing** *{RLS | Non-RLS}* **file** *filename* **- VSAM codes** *X'rrrr',X'cccc'* **in module** *module.*

Explanation: CICS file control issued a close for VSAM file *filename*. The close failed with VSAM return code *cccc*. *rrrr* is the return code in register 15.

System Action: CICS processing continues. CICS marks file *filename* as closed because VSAM will have closed the access method control block (ACB).

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Use the VSAM return code, *cccc* and the preceding VSAM console message to determine the cause of the problem.

For the meaning of the VSAM return code, see *DFSMS/MVS Version 1 Release 5 Macro Instructions for Data Sets*.

Destination: Console

Modules: DFHFCFS, DFHFCRO

XMEOUT Parameters: *applid, {1=RLS, 2=Non-RLS}, filename, X'rrrr', X'cccc', module*

DFHFC0968 *applid* **Close of BDAM file** *filename* **failed**

Explanation: CICS file control issued a close for a BDAM file, *filename*. The close failed.

System Action: CICS continues, with file *filename* still open.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: BDAM will have issued a console error message. Use the BDAM message to solve the problem.

Destination: Console

Module: DFHFCFS

XMEOUT Parameters: *applid, filename*

DFHFC0969 *applid* **Non-RLS CLOSE of file** *filename* **failed. CICS logic error - 8799** *rrrr,cccc.*

Explanation: While attempting to close file *filename*, CICS detected internal logic error 8799 in the file control services program. *cccc* is the offset in DFHFCN at which the error occurred.

System Action: CICS terminates the task abnormally, takes a system dump, and continues processing with the status of file *filename* unchanged.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Module: DFHFCFS

XMEOUT Parameters: *applid, filename, rrrr, cccc*

DFHFC0970 *applid* **Recoverable non-RLS file** *filename* **opened with VSAM SHROPT 3 or 4. CICS cannot ensure integrity.**

Explanation: While opening the recoverable VSAM file *filename* for update, CICS detected that it was defined with SHAREOPTION 3 or 4, which allows updating from multiple regions. CICS issues this message to warn you that it cannot ensure data integrity.

System Action: CICS opens file *filename* and continues processing.

User Response: If this integrity exposure is acceptable, no further user action is required.

If this integrity exposure is unplanned and unacceptable, cancel CICS, redefine file *filename* with a different SHAREOPTION, and restart.

Destination: Console

Module: DFHFCFS

XMEOUT Parameters: *applid, filename*

DFHFC0971 *applid* **Non-RLS OPEN of file** *filename* **returned warning when positioning ESDS. Error codes:** *rrrr*,*cccc*.

Explanation: Before opening the VSAM ESDS file *filename* for output, CICS file control had to determine the end-of-data relative byte address (RBA). The positioning process involved the dynamic allocation and deallocation of the base cluster to DDname DFHESDS. The deallocation failed.

The MVS DYNALLOC return code is *cccc*. *rrrr* is the additional return code in register 15.

System Action: CICS opens the file *filename* and continues processing.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: For the meaning of the DYNALLOC return codes, see the *OS/390 MVS Programming: Authorized Assembler Services Guide*.

Destination: Console

Module: DFHFCFS

XMEOUT Parameters: *applid, filename, rrrr, cccc*

DFHFC0972 *applid {RLS | Non-RLS}* **OPEN of file** *filename* **failed. VSAM catalog entry not found, return code - 8111** *X'cccc'* **in module** *module*.

Explanation: While opening a VSAM file *filename*, CICS file control attempted to retrieve information from the VSAM catalog using the file name given in the JCL or the FCT. This initial retrieval failed with VSAM return code *cccc* from the SHOWCAT macro. 8111 indicates where within CICS file control the error was detected.

System Action: CICS continues processing with file *filename* closed and its state UNENABLED. Any transaction attempting to use this file is sent a NOTOPEN condition.

User Response: You have probably specified DSNAME incorrectly in the FCT. If DSNAME is correctly specified, see the explanation of the SHOWCAT return code in *DFSMS/MVS Version 1 Release 5 Macro Instructions for Data Sets*.

Destination: Console

Modules: DFHFCFS, DFHFCRO

XMEOUT Parameters: *applid, {1=RLS, 2=Non-RLS}, filename, X'cccc', module*

DFHFC0973 *applid* **Dynamic deallocation of** *{RLS | Non-RLS}* **file** *filename* **failed. Return code -** *X'rrrr'*,*X'cccc'* **in module** *module*.

Explanation: While closing file *filename*, CICS file control issued the MVS macro, DYNALLOC, to dynamically deallocate the file. Deallocation failed with the MVS return code, *cccc*. *rrrr* is the return code in register 15.

System Action: CICS continues with the file closed, but still allocated.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: If you change the DSNAME in the FCT, and then reopen the file in the same CICS run, CICS may open the original data set. For an explanation of the MVS return code, refer to the *OS/390 MVS Programming: Authorized Assembler Services Guide*.

Destination: Console

Modules: DFHFCFS, DFHFCRO

XMEOUT Parameters: *applid, {1=RLS, 2=Non-RLS}, filename, X'rrrr', X'cccc', module*

DFHFC0974 *date time applid* **Calculation of LSR pool** *n* **parameters incomplete for file** *filename*. **VSAM catalog inconsistency -** *oooo*

Explanation: While dynamically calculating local shared resource (LSR) parameters for file *filename*, CICS found that a VSAM SHOWCAT macro gave a normal return code, but the object retrieved was logically incorrect. *n* is the pool number, and *oooo* is the VSAM object type in error.

System Action: CICS retains the accumulated LSR parameters for file *filename*, and continues processing. No further attempts at calculating LSR parameters for file *filename* are made.

User Response: This error indicates a corrupted VSAM catalog. If you cannot restore the catalog, you will need further assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: Console and Transient Data Queue CSMT

Module: DFHFCL

XMEOUT Parameters: *date, time, applid, n, filename, oooo*

DFHFC0975 *applid* **LSR pool** *n* **already exists**

Explanation: CICS requested VSAM to build the local shared resource (LSR) pool *n*. However, this pool already exists.

System Action: CICS continues processing. If the existing pool is unsuitable, subsequent file OPENs may fail.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Examine the system console log and the LSR statistical data for pool creation and deletion times, and in the case of the log, for possible pool delete failures. (The simplest and most likely reason for this error is the failure of a previous attempt to delete pool *n*.)

Destination: Console

Module: DFHFCL

XMEOUT Parameters: *applid, n*

DFHFC0976 *applid {RLS | Non-RLS}* **file** *filename* **not opened. DSNAME = NULLFILE or DD DUMMY. Module** *module***.**

Explanation: CICS could not open file *filename*, because the DSNAME was NULLFILE or the DD statement was DUMMY.

System Action: CICS continues processing with file *filename* closed and its state UNENABLED. Any transaction attempting to use this file is sent a NOTOPEN condition.

User Response: None.

Destination: Console

Modules: DFHFCFS, DFHFCRO

XMEOUT Parameters: *applid, {1=RLS, 2=Non-RLS}, filename, module*

DFHFC0977 *applid {RLS | Non-RLS}* **OPEN of file** *filename* **failed. VSAM catalog error. Return code -** *X'eeee'***,***X'cccc'* **in module** *module***.**

Explanation: While CICS was opening file *filename* and retrieving information from the VSAM catalog, an SVC 26 (LOCATE macro) failed with return code *cccc*. *eeee* is the CICS internal return code, as follows:

8114 SVC 26 failed on index or data.
8115 SVC 26 failed on base cluster.

System Action: CICS continues processing with file *filename* closed and its state UNENABLED. Any transaction attempting to use this file is sent a NOTOPEN condition.

User Response: For the meaning of the LOCATE return code, see *DFSMS/MVS Version 1 Release 5 DFSMSdfp Advanced Services*.

Destination: Console

Modules: DFHFCFS, DFHFCRO

XMEOUT Parameters: *applid, {1=RLS, 2=Non-RLS}, filename, X'eeee', X'cccc', module*

DFHFC0978 *applid {RLS | Non-RLS}* **OPEN of file** *filename* **failed. VSAM catalog error. Return code -** *X'eeee'* **in module** *module***.**

Explanation: While CICS was opening file *filename* and retrieving information from the VSAM catalog, CICS file control open/close detected a CICS logic error. *eeee* is as follows:

8118 A VSAM catalog entry for a path does not have a base cluster or an AIX as its first association.
8119 In a VSAM catalog entry for an AIX, either the data association or the base cluster association is missing.
811A In a VSAM catalog entry for a base cluster, the data association or the index association is missing.

System Action: CICS continues processing with file *filename* closed and its state UNENABLED. Any transaction attempting to use this file is sent a NOTOPEN condition.

User Response: Obtain a VSAM LISTCAT listing for file *filename*. You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Modules: DFHFCFS, DFHFCRO

XMEOUT Parameters: *applid, {1=RLS, 2=Non-RLS}, filename, X'eeee', module*

DFHFC0979 *date time applid* **LSR pool** *n* **parameters incomplete for file** *filename* **because the DSNAME specified in the file entry could not be found on the VSAM catalog. VSAM has returned code** *rrrr* **in R15.**

Explanation: While dynamically calculating VSAM local shared resource (LSR) parameters, CICS attempted to retrieve information from the VSAM catalog using the data set name in the FCT entry for file *filename*. The catalog access failed with the VSAM return code *rrrr* from the SHOWCAT macro.

System Action: CICS continues processing, but does not use any parameters for file *filename* in calculations for the LSR pool.

User Response: Ensure that you have correctly specified the JCL for the file, and that the catalog containing the file is included in the JCL. If these checks do not reveal the error, see the meaning of the SHOWCAT return code, *rrrr*, in *DFSMS/MVS Version 1 Release 5 Macro Instructions for Data Sets*.

Destination: CSMT

Module: DFHFCFS

XMEOUT Parameters: *date, time, applid, n, filename, rrrr*

DFHFC0980 *applid* **Non-RLS OPEN of base for file** *filename* **failed. CICS logic error** *eeee***,***cccc***.**

Explanation: While trying to open the VSAM ESDS base of a path through which a record insert has been requested for file *filename*, CICS has detected an internal logic error. *eeee* is as follows:

8E01 Request to DFHFCM is not OPEN or CLOSE.
8E99 Logic error during DFHFCM processing at offset *cccc*.

System Action: CICS takes a system dump and terminates the transaction abnormally.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Module: DFHFCM

XMEOUT Parameters: *applid, filename, eeee, cccc*

DFHFC0981 *applid* **Dynamic allocation of base for non-RLS file** *filename* **failed. Return code** *rrrr*,*cccc*.

Explanation: While trying to open the VSAM KSDS base of a path through which a record insert has been requested for file *filename*, CICS file control issued an MVS DYNALLOC command which failed with the return code *cccc*. *rrrr* is the return code in register 15.

System Action: CICS takes a system dump and terminates the transaction abnormally.

User Response: For the meaning of the DYNALLOC return codes, refer to the *MVS/ESA System Programming Reference: Application Development Guide*.

Destination: Console

Module: DFHFCM

XMEOUT Parameters: *applid, filename, rrrr, cccc*

DFHFC0982 *applid* **Non-RLS OPEN of base for file** *filename* **failed. VSAM codes -** *rrrr*,*cccc*.

Explanation: While trying to open the VSAM KSDS base of a path through which a record insert has been requested for file *filename*, CICS file control issued an OPEN which failed with the VSAM error code *cccc* from the ACB. *rrrr* is the VSAM return code in register 15.

System Action: CICS takes a system dump and terminates the transaction abnormally.

User Response: VSAM issues a console error message. Use the VSAM message and the VSAM return code in the CICS message to solve the problem.

For the meaning of the VSAM return code, see the *MVS/DFP Access Method Services for VSAM Catalogs*.

Destination: Console

Module: DFHFCM

XMEOUT Parameters: *applid, filename, rrrr, cccc*

DFHFC0983 *applid* **Non-RLS CLOSE of base for file** *filename* **failed. CICS logic error** *eeee*,*cccc*.

Explanation: While trying to close the VSAM KSDS base of a path through which a record insert has been requested for file *filename*, CICS has detected an error. *eeee* is as follows:

8E05 Failure in DFHFCM to close VSAM base. *cccc* is the error code from the VSAM ACB.

8E07 SVC 99 dynamic deallocation in DFHFCM failed. *cccc* is the SVC 99 error return code.

System Action: CICS takes a system dump and continues processing, with base left open.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Module: DFHFCM

XMEOUT Parameters: *applid, filename, eeee, cccc*

DFHFC0987 *applid {RLS | Non-RLS}* **OPEN of file** *filename* **failed: Not available for type of processing. VSAM codes - 0008, 00A8 in module** *module*.

Explanation: When CICS attempted to open the VSAM file *filename*, the OPEN failed with the VSAM return codes shown in the message text. The probable reason for the failure is that the data set is in use by another region or another ACB in the CICS region, and that the VSAM share options prohibit the level of sharing needed to permit the OPEN.

A data set may not be open in both RLS and non-RLS mode, via different files, at the same time, with one exception. It is possible for a data set to be open in non-RLS read-only mode from either another CICS region or from batch at the same time as the data set is open in RLS mode.

System Action: CICS continues processing, with the file left closed and its state UNENABLED. Any transaction attempting to use this file is sent a NOTOPEN condition.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: If the data set is in use by another user, wait until it is free and then retry the OPEN.

If the problem recurs and you cannot resolve the problem, you will need further assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Modules: DFHFCFS, DFHFCRO

XMEOUT Parameters: *applid, {1=RLS, 2=Non-RLS}, filename, module*

DFHFC0988 *applid* **Non-RLS OPEN of file** *filename* **failed. This data set type is not supported by CICS.**

Explanation: An attempt to open file *filename* has failed because the file referenced a data set of a type not supported by CICS.

CICS File Control supports opening VSAM KSDS, ESDS, RRDS and VRRDS data sets, paths over KSDS and ESDS data sets, and BDAM data sets. No other data set types are supported. For example, CICS does not support opening a VSAM linear data set.

System Action: CICS continues processing with *filename* closed and its state UNENABLED. Any transaction attempting to use this file is sent a NOTOPEN condition.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: You have probably specified DSNAME incorrectly in the file definition. Correct the file definition.

Destination: Console

Module: DFHFCFS

XMEOUT Parameters: *applid, filename*

DFHFC0989I *applid* **Non-RLS OPEN of file** *filename* **will be delayed because the associated data set** *dataset* **is being recalled.**

Explanation: File *filename* is taking longer than expected to open because the associated data set has been migrated and has to be recalled before the file open processing can complete.

System Action: The open of file *filename* will be delayed until its associated data set has been recalled.

User Response: None.

Destination: Console

Module: DFHFCN

XMEOUT Parameters: *applid, filename, dataset*

DFHFC0990 *applid {RLS | Non-RLS}* **OPEN of file** *filename* **failed. Recovery specified, but the path is not in the upgrade set. Base data set** *dsname***. Module** *module***.**

Explanation: An attempt was made to open a recoverable file, associated with a VSAM path over an alternate index, for update processing (SERVREQ=ADD, DELETE or UPDATE set). However, the alternate index is not in the upgrade set of the base. CICS detects this condition and does not attempt to open the file.

If the alternate index is not in the upgrade set of the base, any updates made via the base are not reflected in the alternate index and so updates made via the path may compromise data integrity. Note the open of the path fails if RECOVERY=ALL or RECOVERY=BACKOUTONLY is specified on the path FCTE entry, or on the base data set.

The base takes the recovery attributes of the first file to open for update against it since a cold or initial start. Those attributes remain in force on the data set, and consistency checks are performed between the FCT entry and the data set at file open time.

System Action: CICS continues processing with file *filename* closed and not enabled.

User Response: Take the data set offline and redefine the alternate index with the UPGRADE option. Run a BLDINDEX job to bring the alternate index up to date with the base data set and then retry the open of the file.

Destination: Console

Modules: DFHFCFS, DFHFCRO

XMEOUT Parameters: *applid, {1=RLS, 2=Non-RLS}, filename, dsname, module*

DFHFC0991 *applid* **Non-RLS OPEN of file** *filename* **failed. Recovery attributes conflict with those on the VSAM data set -** *cccc***. Base data set** *dsname*

Explanation: An attempt was made to open a file *filename* for update processing. (SERVREQ=ADD, DELETE or UPDATE set), CICS detected that the recovery attributes on the file were inconsistent with those currently in force for the VSAM data set as recorded in the CICS data set name block. The file was not opened in order to maintain data integrity.

The data set takes the recovery attributes of the first file to open for update against it since a cold or initial start. Code *cccc* identifies the inconsistency found and takes the following values:

8514 Both the file and the data set have RECOVERY=ALL specified, but the forward recovery logs specified are different.

8515 The data set has RECOVERY=BACKOUTONLY or RECOVERY=NONE specified, and the file is trying to open with RECOVERY=ALL.

8516 The data set has RECOVERY=NONE specified. The file is attempting to open with RECOVERY=BACKOUTONLY.

851B The file specified RECOVERY=NONE or BACKOUTONLY. The VSAM data set had RECOVERY=ALL specified.

851C The file specified RECOVERY=NONE. The VSAM data set had BACKOUTONLY specified.

System Action: CICS continues processing with file *filename* closed and not enabled.

User Response: Ensure that files referencing the same VSAM data set have the same recovery attributes specified.

Alter the FCT entries using the CEDA ALTER FILE command and reinstall the group.

To nullify the recovery attribute set for the base data set, the user can issue a CEMT SET DSNAME REMOVE or EXEC CICS SET DSNAME REMOVE command. This deletes the base cluster block, and leaves CICS with no record of prior recovery settings for this VSAM data set. The **first** file to subsequently open against this data set causes a new base cluster block to be built. If the file is opened for update processing, the recovery attributes of this file are copied into the base cluster block.

If you want to have files referencing the same VSAM data set with different **backout** recovery attributes you should use Global User Exit XFCNREC.

Destination: Console

Module: DFHFCFS

XMEOUT Parameters: *applid, filename, cccc, dsname*

DFHFC0995 *applid* **Hiperspace allocation for LSR pool** *n* **was incomplete or zero.**

Explanation: CICS requested VSAM to provide hiperspace buffers when building local shared resource (LSR) pool number *n*, but there was insufficient expanded storage available to satisfy the request completely.

System Action: CICS continues processing. VSAM uses the buffers it has been able to provide.

User Response: Review your installation's use of expanded storage and use MVS facilities to adjust its allocation, or change your RDO LSRPOOL definition or DFHFCT TYPE=SHRCTL definition, to reduce the hiperspace buffer requirements for pool *n.*

Destination: Console

Module: DFHFCL

XMEOUT Parameters: *applid, n*

DFHFC0996 *date time applid {Open | Close | Enable | Disable | Cancel of close}* **of file** *filename* **suppressed due to intervention of User Exit.**

Explanation: An open, close, enable, disable or cancel close request has been issued against the specified file. An exit program enabled at the global user exit point XFCSREQ in CICS file control has directed CICS not to carry out the request.

System Action: If the request being issued is an enable, disable, close or cancel close request, the file state remains unchanged, that is, it remains in the same state as before the request was issued.

If the request is an open request, the state remains unchanged unless the file was in a closed, enabled state. In this state, the open request could be an implicit open request, (that is, the file is being opened as part of a file API request). If it is an implicit open request, the file state is changed to closed unenabled to ensure the file API request is halted, and a NOTOPEN condition is returned to the application.

User Response: Examine the reason for the command being suppressed. This is installation specific.

Destination: Console and Transient Data Queue CSMT

Module: DFHFCFS

XMEOUT Parameters: *date, time, applid, {1=Open, 2=Close, 3=Enable, 4=Disable, 5=Cancel of close}, filename*

DFHFC0997I *applid* **RLS OPEN of file** *filename* **is delayed because the associated data set** *dsname* **is being recalled.**

Explanation: RLS file *filename* is taking longer than expected to open because the associated data set has been migrated and has to be recalled before the file open processing can complete.

System Action: The open of file *filename* is delayed until its associated data set has been recalled.

User Response: None.

Destination: Console

Module: DFHFCRO

XMEOUT Parameters: *applid, filename, dsname*

DFHFC0998 *applid* **User exit XFCNREC is causing file** *filename* **to be opened even though a file recovery inconsistency of type** *X'code'* **exists. CICS cannot guarantee data integrity for base data set** *dsname*

Explanation: An attempt was made to open file *filename* for update processing, (SERVREQ=ADD, DELETE or UPDATE set), and CICS detected that the backout recovery attribute on the file was inconsistent with that on the VSAM base data set. Normally CICS would fail the open on detection of an inconsistency. However, a program running at user exit XFCNREC has indicated that the open should continue even though an inconsistency has been detected. CICS can no longer guarantee the integrity of the data on the associated data set. Code X'*code*' identifies the inconsistency and can take one of the following values:

X'8516' The data set has RECOVERY=NONE specified. The file is attempting to open with RECOVERY=BACKOUTONLY.

X'851C' The file specified RECOVERY=NONE. The VSAM data set had BACKOUTONLY specified.

An INQUIRE on the RECOVSTATUS for the data set from this point onwards returns a NOTRECOVABLE response. The data set is marked as not recoverable until the next CEMT SET DSNAME REMOVE, EXEC CICS SET DSNAME REMOVE command or cold or initial start.

System Action: CICS opens file *filename* and continues processing using the recovery setting from the file definition to determine whether backout logging should be performed.

User Response: Ensure that it is correct for the backout recovery attribute inconsistency to be ignored for this data set.

If the backout recovery attribute inconsistency should not have been ignored, ensure that files referencing the same VSAM data set have the same recovery attributes. If they do not, either alter the FCT entries using the CEDA ALTER FILE command and reinstall the group, or alter the FCT macro definition of the file. Note that this reassembled FCT only takes effect at the next CICS cold or initial start.

To nullify the recovery attribute set for the base data set, issue a CEMT SET DSNAME REMOVE or EXEC CICS SET DSNAME REMOVE command. This deletes the base cluster block and leaves CICS with no record of prior recovery settings for this VSAM data set. The **first** file to subsequently open against this data set causes a new base cluster block to be built. If the file is opened for update processing, the recovery attributes of this file are copied into the base cluster block.

Destination: Console

Module: DFHFCN

XMEOUT Parameters: *applid, filename, X'code', dsname*

DFHFC0999 *applid* **RLS OPEN of file** *filename* **failed. RLS access is disabled.**

Explanation: While CICS was opening file *filename* the CICS file control open/close routine detected that RLS access is disabled. A PREVIOUS open or record management request received a serious error from VSAM and disabled RLS access.

System Action: CICS continues processing with file *filename* closed and its state UNENABLED. Any transaction attempting to use RLS files is sent a NOTOPEN condition.

User Response: Determine why RLS access was disabled.

Destination: Console

Module: DFHFCRO

XMEOUT Parameters: *applid, filename*

DFHFC2813 *applid* **Program DFHRCEX cannot be found.**

Explanation: An attempt to link to program DFHRCEX during file control initialization has failed. This is a severe error.

System Action: CICS startup is abnormally terminated with a dump.

User Response: Find out why DFHRCEX could not be located.

Destination: Console

Module: DFHFCRP

XMEOUT Parameter: *applid*

DFHFC3001 *date time applid* **Record not backed out because it may have been overridden by a non-RLS batch job. Diagnostic information follows in message DFHFC3010. The record was updated by unit of work** *X'local-uowid'* **for file** *filename***, base data set** *data-set-name*

Explanation: A log record was presented to file control for backing out, but although the updated record was protected by a VSAM RLS lock, a non-RLS batch job had elected to override the RLS locks held on this data set and therefore the condition of the record can no longer be guaranteed. The update had been made to the base data set *data-set-name* via the CICS file *filename*, under the unit of work identified by *local_uowid*.

System Action: The update is not backed out because the condition of the updated record cannot be guaranteed, The updated data is committed instead. Diagnostic information is provided by this message and the subsequent message DFHFC3010.

User Response: See the associated message DFHFC3010 for more information and guidance.

Destination: CSFL

Module: DFHFCRC

XMEOUT Parameters: *date, time, applid, X'local-uowid', filename, data-set-name*

DFHFC3002 *date time applid* **Record backed out at request of user exit although it may have been overridden by a non-RLS batch job. Diagnostic information follows in message DFHFC3010. The record was updated by unit of work** *X'local-uowid'* **for file** *filename***, base data set** *data-set-name*

Explanation: A log record was presented to file control for backing out, but although the updated record was protected by a VSAM RLS lock, a non-RLS batch job had elected to override the RLS locks held on this data set. However, an exit program enabled at the XFCBOVER exit point decided that the non-RLS batch job would not have caused corruption of the record, and requested that the backout should go ahead. The update had been made to the base data set *data-set-name* via the CICS file *filename*, under the unit of work identified by *local_uowid*.

System Action: An attempt to backout the update is made because the user exit requested that backout should go ahead. Diagnostic information is provided by this message and the subsequent message DFHFC3010.

User Response: See the associated message DFHFC3010 for more information and guidance.

Destination: CSFL

Module: DFHFCRC

XMEOUT Parameters: *date, time, applid, X'local-uowid', filename, data-set-name*

DFHFC3003 *date time applid* **Record not backed out because locks for a backout-failed data set have been reset. Diagnostic information follows in message DFHFC3010. The record was updated by unit of work** *X'local-uowid'* **for file** *filename***, base data set** *data-set-name*

Explanation: An update made by unit of work *local-uowid* to the base data set *data set name* via the CICS file *filename* was protected by a lock while awaiting successful backout, but a decision has been taken locally to reset the locks for this data set. The log record representing the update has therefore been presented to file control for the purpose of providing diagnostic information in this and the subsequent message DFHFC3010.

System Action: The update is not backed out and the lock is released. The implication of resetting the locks for a data set is that the backout has failed for some reason which cannot be easily corrected. Diagnostic information is provided by this message and the subsequent message DFHFC3010.

User Response: See the associated message DFHFC3010 for more information and guidance.

Destination: CSFL

Module: DFHFCRC

XMEOUT Parameters: *date, time, applid, X'local-uowid', filename, data-set-name*

DFHFC3004 *date time applid* **Record backed out because of the forced back out of an indoubt unit of work. Diagnostic information follows in message DFHFC3010. The record was updated by unit of work** *X'local-uowid'* **for file** *filename***, base data set** *data-set-name*

Explanation: A log record has been presented to file control for backing out because the local unit of work *local-uowid*, which was part of a distributed unit of work, has gone in-doubt, and CICS has backed out the local unit of work. This decision to back out the record is the result of one of the following:

- CICS received an SPI SET UOW or SET DSNAME command that specified BACKOUT.
- CICS received an SPI SET UOW or SET DSNAME command that specified FORCE and the indoubt attributes on the transaction definition specified BACKOUT.
- An indoubt WAIT timeout occurred, and the transaction definition specified BACKOUT.
- One of the resource managers involved in the unit of work did not support waiting during the indoubt period.

The update being backed out was made to the base data set *data-set-name* via the CICS file *filename*. This and the subsequent message provides diagnostic information which is of use in correcting the situation if the actual resolution of the distributed unit of work was to commit it rather than to back it out.

System Action: The update is backed out, and diagnostic information is provided by this message and the subsequent message DFHFC3010.

User Response: See the associated message DFHFC3010 for more information and guidance.

Destination: CSFL

Module: DFHFCRC

XMEOUT Parameters: *date, time, applid, X'local-uowid', filename, data-set-name*

DFHFC3010 *date time applid* **Diagnostic information for unit of work** *X'local-uowid'* **and file** *filename***. Update was a** *{read-update | write-add}* **made by transaction** *tranid* **at terminal** *termid* **under task number** *tasknum***. Key length** *key-length***, data length** *data-length***, base ESDS RBA** *X'base-RBA-or-zero'***, record key** *X'record-key'*

Explanation: This message follows each DFHFC3001, DFHFC3002, DFHFC3003, or DFHFC3004 message, and provides additional information to help diagnose and correct the situation reported in the preceding message.

For any given filename and unit of work CICS normally issues messages of only one type; for example, a series of DFHFC3001 messages each followed by DFHFC3010, or a series of DFHFC3003 messages each followed by DFHFC3010.

The exception to this is when an exit program enabled at the XFCBOVER global user exit point elects to backout some updates and not to backout others. In this situation CICS might issue a combination of DFHFC3001 and DFHFC3002 messages (each followed by DFHFC3010) for the same filename and unit of work.

This message includes the following information:

local-uowid The local unit-of-work identifier for correlation with the preceding message.

filename The file name for correlation with the preceding message.

read-update **or** *write-add***.** The type of before-image log record presented to file control. The type is *read-update* if the update made to the file was either: a READ UPDATE, READNEXT UPDATE or READPREV UPDATE request (which will normally have been followed by a REWRITE or DELETE request), or a DELETE request which specified a RIDFLD. The type is *write-add* if the update made to the file was a WRITE request.

tranid The transaction under which the original update was made.

termid The terminal from which the transaction which made the original update was run.

tasknum The task number under which the transaction which made the original update was run

key-length The length of the record key

data-length The length of the data in the before-image.

base-RBA-or-zero The base RBA if the update was made to an ESDS, or zero if not.

record-key The value of the record key field, in hexadecimal.

System Action: None beyond the system action described under the preceding message.

User Response: Use the diagnostic information to determine any changes that need to be made to the data set to ensure that the contents are correct. Once you have identified the record which may not now contain the correct contents, and the transaction which originally updated it, a knowledge of your application programs should allow you to determine the necessary action.

Destination: CSFL

Module: DFHFCRC

XMEOUT Parameters: *date, time, applid, X'local-uowid', filename, {1=read-update, 2=write-add}, tranid, termid, tasknum, key-length, data-length, X'base-RBA-or-zero', X'record-key'*

DFHFC4700 *applid {An unexpected | A VSAM | A length | A lock | A timeout | An unexpected delete}* **error has occurred during file backout. (Module DFHFCFR has returned reason code (***X'xx***), access method code (***X'cccccccc***) and length error code (***X'yy***).)**

Explanation: File backout has called module DFHFCFR as part of its processing, and an error has been returned which should not be possible during backout. The message text includes the type of error that has occurred.

Additional diagnostic information is provided by: the reason code *xx* returned from DFHFCFR, the code *cccccccc* which was returned to DFHFCFR from the access method that it called, and the length error code *yy*.

The length error code is normally either X'00', indicating that length errors are not applicable to the type of request which was in error, or X'01', indicating that there was no length error. A value greater than X'01' occurs when the message text indicates that the type of error is a length error.

System Action: An exception trace point is written, and a system dump is taken.

The error is processed as a backout failure. Unless a user exit program enabled at the XFCBFAIL exit point bypasses backout failure processing, message DFHFC4701 or DFHFC4702 follows and gives details of the file and data set involved.

CICS continues.

User Response: Inform the system programmer. This indicates a possible error in CICS, VSAM or BDAM code. The severity of its impact depends on whether the backout can be successfully retried.

If the data set being backed out is a VSAM data set, you can retry the backout. Message DFHFC4701 names the data set, and the failed backout can be retried using SET DSNAME RETRY. If the problem is due to some transient condition which has since cleared, the backout will now succeed.

If the data set being backed out is a BDAM data set, the backout cannot be retried. The data is committed and the locks are released, unless an exit program enabled at the XFCBFAIL exit point terminates CICS, in which case data integrity can be preserved by performing an emergency restart.

If the backout cannot be successfully retried, then take action depending on the type of error indicated in the message text:

- An unexpected error

  This probably indicates either a corruption of storage or an error within CICS code. It might also indicate an error within the access method called to process the request (VSAM or BDAM).

  The reason code *xx* is the reason code from the DFHFCFR parameter list and has been included as additional documentation in case you need further help from IBM.

  The access method code *cccccccc* is information returned to file control in the VSAM RPL if the error was detected by VSAM, or the BDAM DECB if the error was detected by BDAM. For VSAM, the first byte is the VSAM return code and the second byte is the VSAM reason code; the third and fourth bytes may contain additional VSAM diagnostics (for more information, see *DFSMS/MVS Version 1 Release 5 Macro Instructions for Data Sets*). For BDAM, the access method code is the 4-byte exception codes field from the DECB (for more information, see *DFSMS/MVS Version 1 Release 5 Using Data Sets*).

- A VSAM error

  This indicates that an error has occurred within VSAM.

  The access method code *cccccccc* is information returned to file control in the VSAM RPL. The first byte is the VSAM return code and the second byte is the VSAM reason code; the third and fourth bytes may contain additional VSAM diagnostics (for more information, see *DFSMS/MVS Version 1 Release 5 Macro Instructions for Data Sets*).

- A length error

  When a length error is reported, the length error code *yy* will be greater than X'01'. This normally indicates a serious error in CICS, VSAM, or BDAM processing. If it occurs for a BDAM data set, check the FCT and DCB definitions in case there is a mismatch between, for example, the blocksizes, which would result in a length error.

- A lock error

  This indicates that backout processing has encountered a LOCKED response on attempting to acquire a lock on a record which is held as a retained lock by another unit of work. This should not be possible because the record should be locked by the unit of work being backed out. If this error occurs for a file being accessed in RLS mode, then it probably indicates an error in the SMSVSAM server. If this error occurs for a file being accessed in non-RLS mode, then it probably indicates an error in CICS enqueue processing.

- A timeout error

  This indicates that backout processing has timed out attempting to acquire an RLS lock. This should not be possible during backout because the record should already be locked by the unit of work being backed out. If this error occurs then it probably indicates an error in the SMSVSAM server.

- An unexpected delete error

  This indicates that the request to be backed out was a delete request, but that the file type is one for which deletes are not

supported (VSAM ESDS or BDAM). The most likely cause of this error would be some corruption of the data set, although it might also indicate an error within CICS, or a storage corruption.

You may need assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Module: DFHFCRC

XMEOUT Parameters: *applid, {1=An unexpected, 2=A VSAM, 3=A length, 4=A lock, 5=A timeout, 6=An unexpected delete}, X'xx', X'cccccccc', X'yy'*

DFHFC4701 *date time applid* **Backout failed for transaction** *tranid***, VSAM file** *filename***, unit of work** *X'local_uowid'***, task** *task_number***, base** *base_dsname***, path** *path_dsname***, failure code** *X'bfail_code'***.**

Explanation: File backout has been unable to backout an uncommitted change made to a VSAM data set via file *filename*, that was made by the unit of work *local_uowid*.

The file is associated with the data set *path_dsname*. This is either a base cluster data set if the *path_dsname* and *base_dsname* given in the message are the same, or is a path data set whose base cluster is the *base_dsname* given in the message if the two names differ.

The change that is being backed out was originally made by task *task_number* servicing transaction code *tranid*, running under the unit of work *local_uowid* The current task number will differ from the original one that is given in the message if this backout is itself a retry of an earlier backout which also failed, or is a backout being carried out following resolution of an indoubt situation, and the current transaction code will differ from the original one if the transaction has been disabled.

The failure code X'*bfail_code*' indicates the reason for the failure.

System Action: The system continues normally.

Backing out of the unit of work continues, but no further attempts to backout updates made by this unit of work to the *base_dsname* named in the message are made.

When the unit of work has been backed out as far as is possible, those updates which could not be backed out are deferred (shunted) until the backout can be retried.

It is possible for other work to continue to access the base cluster data set, but the records in that data set that were changed by this unit of work are locked by retained locks. This ensures that any attempt to access these records results in a LOCKED response being returned to the application. The records must remain locked until the backout has been successfully retried in order to preserve data integrity.

If, when the backout is retried, it fails again for either the same or another reason, this message is issued again, with the failure code indicating the reason for the failure on this occasion.

User Response: You may decide to leave the data set online for any of the errors indicated by X'*bfail_code*', especially if you believe that the backout failure may have been due to some transient situation, and that the backout may succeed if retried. You can manually drive retry of the backout using the SET DSNAME RETRY command, or alternatively wait until some event triggers retries of the shunted backouts in the system.

As a last resort, and at the cost of losing data integrity, you could bypass the deferred backout of uncommitted changes to this data set using the SET DSNAME RESETLOCKS command.

The user response depends on the value of the failure code X'*bfail_code*'.

10 The backout attempted to add a duplicate key value to a unique alternate index. The backout can never be carried out unless you can delete the existing record with this alternate key value, then retry the backout using SET DSNAME RETRY. This failure can only occur for a file being accessed in non-RLS mode.

20 The data set ran out of storage while the request was being processed. You should reallocate the data set with more space, then retry the backout using SET DSNAME RETRY. Do not forward recover the data set. If you accessed the file in RLS mode, there are extra steps required to ensure that the retained locks remain associated with the data set. These are explained in the *CICS Recovery and Restart Guide*.

24 An I/O error has occurred on the data set. You should consider the possibility that the data set needs restoring, especially if there have been a large number of these messages referring to the same base cluster data set, or if there have also been I/O errors issued during request processing for that data set.

If you do decide to restore the data set, you should take the following steps:

1. Prevent access to the data set
2. Restore a backup copy and forward recover the data set (for example, using CICSVR)
3. Reallow access to the data set
4. Retry deferred backouts.

For an RLS mode data set, prevent access by issuing a SET DSNAME QUIESCED command which closes all open files throughout the sysplex and prevents further RLS opens. Reallow access by issuing a SET DSNAME UNQUIESCED command, which also retries deferred backouts automatically.

For a non-RLS mode data set, prevent access by issuing a SET DSNAME UNAVAILABLE command to prevent further non-RLS opens and issue SET FILE CLOSED commands for all open files. Reallow access by issuing a SET DSNAME AVAILABLE command, and retry deferred backouts using SET DSNAME RETRY.

40 Logical delete for an ESDS data set was not performed because the XFCLDEL exit either chose not to carry out the logical delete, or was not enabled.

41 A DFSMSdss non-BWO backup is in progress for the data set. The backout will be automatically retried when the backup completes.

B0 A deadlock was detected. This can only happen for files opened in non-RLS mode. Since this is a transient condition, you should just retry the backout using SET DSNAME RETRY.

C0 A failure of the VSAM RLS server was detected by this request. The backout is automatically retried when the server becomes available again.

C1 VSAM RLS access is disabled because the server is unavailable. The backout is automatically retried when the server becomes available again.

C2 The VSAM RLS server has recycled (failed and restarted) whilst a record was being backed out. This is a very rare occurrence since the failure and restart must have taken place after the record to be backed out was read for update, and before it was rewritten or deleted. A retry of the backout should be successful, but because the server has already

become available, backout will not be automatically retried. You should use SET DSNAME RETRY to drive backout retry.

C3 The VSAM RLS cache structure to which the data set was bound has either failed or has lost connectivity, and VSAM has been unable either to rebuild the failed cache structure, or to bind the data set to an alternative cache structure in the cache set. The backout is automatically retried when the cache structure becomes available again.

C4 VSAM has returned a response indicating that the RLS lock structure in the coupling facility is full. Allocate a larger lock structure, rebuild into it and retry the backout using set dsname retry. See *OS/390 MVS Setting up a Sysplex*, (GC28-1779) and *DFSMS/MVS DFSMSdfp Storage Administration Reference*, (SC26-4920) for further information on how to allocate, and build into, larger lock structures.

F0 There was no space to add another alternate key value to a non-unique alternate index. You should rebuild the data set with a larger alternate index data CI size (unless you are already at the maximum), and then retry the backout using SET DSNAME RETRY. If you accessed the file in RLS mode, there are extra steps required to ensure that the retained locks remain associated with the data set. These are explained in the *CICS Recovery and Restart Guide*. Do not forward recover the data set.

FB An error occurred when opening the file for backout. Determine why the file would not open, and if it is possible to correct it, do so and then issue SET DSNAME RETRY to retry the backout. If the error occurred because the data set was quiesced, the backout is automatically retried when the data set is unquiesced. If the error occurred because the VSAM RLS server was not available, the backout is automatically retried when it becomes available again.

FE An error occurred which is not expected to be possible during backout. An exception trace point is written, message DFHFC4700 is issued and a system dump is taken. Use these to determine the cause of the error. It might be worth retrying the backout, using SET DSNAME RETRY, since the problem could have been some transient condition which has since cleared.

Destination: Console and Transient Data Queue CSFL

Module: DFHFCRC

XMEOUT Parameters: *date, time, applid, tranid, filename, X'local_uowid', task_number, base_dsname, path_dsname, X'bfail_code'*

DFHFC4702 *date time applid* **Backout failed for transaction** *tranid*, **BDAM file** *filename*, **unit of work** *X'local_uowid'*, **task** *task_number*.

Explanation: File backout has been unable to backout an uncommitted change made to a BDAM data set via file *filename*, that was made by the unit of work *local_uowid*.

The change that is being backed out was originally made by task *task_number* servicing transaction code *tranid*, running under the unit of work *local_uowid*. However, if this backout is being attempted after waiting for an indoubt situation to be resolved, the current task number will be different from the original one given in the message, and transaction code will be different from the original one if the transaction has been disabled.

System Action: The system continues normally.

Backing out of the unit of work continues, and any further failures to backout changes made to this BDAM data set result in the message being reissued.

Unless a program invoked at the backout failure exit point, XFCBFAIL, took some action to prevent it, it is possible for other work to continue to access the BDAM data set, but data integrity is compromised because the changes have not been backed out.

User Response: Unless you are prepared to continue using the data set in spite of the loss of data integrity, you should take some action to correct matters, such as closing all files that are using the data set and backing out the uncommitted changes offline.

One possible cause of a BDAM backout failure is that a logical delete could not be performed because the XFCLDEL exit either chose not to carry out the logical delete or was not enabled. If this is the case then you may want to ensure that a suitable exit program is enabled at the XFCLDEL exit point, so that any future attempts at backing out writes made to BDAM data sets will succeed.

Destination: Console and Transient Data Queue CSFL

Module: DFHFCRC

XMEOUT Parameters: *date, time, applid, tranid, filename, X'local_uowid', task_number*

DFHFC4800 *date time applid* **A failure has been detected on forward recovery log stream** *log_stream*. **The associated RLS data set has been quiesced. Data set** *dsname*

Explanation: The logger domain has detected an error on the forward recovery log stream *log_stream*. As a result, the associated RLS data set *dsname* cannot safely continue to be used.

System Action: Processing continues. The RLS data set *dsname* has been quiesced.

User Response: First, take a backup of the data set to establish a new forward recovery point. You can then correct the problem causing the log stream failure, delete and redefine the failed MVS log stream, and unquiesce the data set to reallow RLS access.

Destination: Console and Transient Data Queue CSFL

Module: DFHFCLF

XMEOUT Parameters: *date, time, applid, log_stream, dsname*

DFHFC4801 *date time applid* **A failure has been detected on forward recovery log stream** *log_stream*. **The associated non-RLS data set has been set unavailable and its files closed. Data set** *dsname*

Explanation: The logger domain has detected an error on the forward recovery log stream *log_stream*. As a result, the associated non-RLS data set *dsname* cannot safely continue to be used.

System Action: Processing continues. The data set *dsname* has been set unavailable and all files associated with it have been closed.

User Response: First, take a backup of the data set to establish a new forward recovery point. Then, having corrected the problem which caused the log stream failure, you can delete and redefine the failed MVS log stream. If the name of the forward recovery log stream for the data set is held in the VSAM catalog, you can now make the data set available again, using SET DSNAME AVAILABLE. If the name of the forward recovery log stream for the data set is held in the file definition, you must issue SET JOURNALNAME RESET for the forward recovery log before making the data set available again using SET DSNAME AVAILABLE.

Destination: Console and Transient Data Queue CSFL

Module: DFHFCLF

XMEOUT Parameters: *date, time, applid, log_stream, dsname*

DFHFC4802 *date time applid* **A failure has been detected on auto journal** *journal_name***. The associated file** *file_name* **has been closed.**

Explanation: The logger domain has detected an error on the automatic journal *journal_name*. As a result, the automatic journal is no longer reliable.

System Action: The associated file *filename* has been set closed.

User Response: The appropriate action depends on how you use the automatic journal, and on whether you can tolerate missing information.

If you require a complete automatic journal with no missing information, you need to take some action to establish a new start point for the automatic journal. You can then correct the error causing the log stream failure, delete and redefine the log stream, issue SET JOURNALNAME RESET, and reopen the file.

If you do not require a complete automatic journal, if the log stream is still writeable, you can issue SET JOURNALNAME RESET, open the file, and continue autojournalling to the same journal. A message preceding this one reports details of the log stream failure.

Destination: Console and Transient Data Queue CSFL

Module: DFHFCLF

XMEOUT Parameters: *date, time, applid, journal_name, file_name*

DFHFC5801A *applid* **File OPEN has failed for VSAM data set. The BWO values in the ICF catalog indicate that data set needs to be restored and forward recovered. Data set '***dsname***'.**

Explanation: CICS has rejected a file open for the VSAM base data set *dsname*. This base data set could not be opened because the integrated catalog facility (ICF) catalog backup while open (BWO) flags indicated a corrupted data set.

This message is accompanied by message DFHFC5806 which includes the name of the file involved in the OPEN failure.

System Action: The file open for data set *dsname* fails. CICS continues processing but the file is closed and its state is set to UNENABLED. Any transaction attempting to use this file is sent a NOTOPEN condition.

User Response: Carry out the following procedure:

1. If a BWO copy of this VSAM data set is available:
   a. Restore the BWO copy of this data set via DFHSM and/or DFDSS.
   b. Apply the CICS forward recovery logs via a log-apply utility, such as CICS VSAM Recovery (CICSVR), to bring the data set to a point of consistency.
2. If no BWO copy of this base data set exists but a normal quiesced copy does, apply the forward recovery logs to the data set in the normal way to bring the data set to a point of consistency.
3. Set the ICF catalog BWO flags to indicate that the data set has been recovered to the point of failure. This can be done by issuing a CEMT SET DSNAME RECOVERED or EXEC CICS SET DSNAME RECOVERED command.
4. Rename the data set to that of the original data set prior to the failure.
5. Make the data set available.

Note: Some log-apply utilities, such as CICS VSAM Recovery MVS/ESA (CICSVR MVS/ESA) Version 2, set the ICF catalog BWO flags to a RECOVERED state after the CICS forward recovery logs have been applied.

Destination: Console

Module: DFHFCAT

XMEOUT Parameters: *applid, dsname*

DFHFC5802A *applid* **File OPEN has failed for VSAM data set. The BWO values in the ICF catalog indicate that data set needs to be forward recovered. Data set '***dsname***'.**

Explanation: CICS has rejected a file open for the VSAM base data set *dsname*. This base data set could not be opened because the ICF catalog backup while open (BWO) flags indicated that the data set was back-level and needed to be forward recovered. This failure occurs if a BWO of a VSAM base data set is restored but not forward recovered. This message is accompanied by DFHFC5806 which includes the name of the file involved in the OPEN failure.

System Action: The file open for data set *dsname* fails. CICS continues processing but the file is closed and its state set to UNENABLED. Any transaction attempting to use this file is sent a NOTOPEN condition.

User Response: Carry out the following procedure:

1. Apply the CICS forward recovery logs via a log-apply utility, such as CICS VSAM Recovery (CICSVR), to bring the data set to a point of consistency.
2. Set the ICF catalog BWO flags to indicate that the data set has been recovered to the point of failure. This can be done by issuing a CEMT SET DSNAME RECOVERED or EXEC CICS SET DSNAME RECOVERED command.

Note: Some log-apply utilities, such as CICS VSAM Recovery (CICSVR), set the ICF catalog BWO flags to a RECOVERED state after the CICS forward recovery logs have been applied.

Destination: Console

Module: DFHFCAT

XMEOUT Parameters: *applid, dsname*

DFHFC5803 *applid* **A severe error (code** *X'code'***) has occurred while inquiring/setting VSAM data set BWO attributes. Data set '***dsname***' Return Code** *X'xxxxxxxx'* **Reason Code** *X'yyyyyyyy'* **Prob Det** *X'zzzzzzzzzzzzzzzz'***.**

Explanation: A severe error has been detected in DFHFCAT while inquiring or setting ICF catalog backup while open (BWO) attributes of base data set *dsname*. The error code is the exception trace point ID which uniquely identifies the call which has failed. The code X'*code*' can take the following values:

Value	Meaning
X'0B57'	A call to MVS/DFP Callable Services to inquire if a data set is known to a SMS sub-system has failed
X'0B59'	A call to MVS/DFP Callable Services to update the BWO flags to a forward recovered state for a data set has failed
X'0B5A'	A call to MVS/DFP Callable Services to update the recovery point for a data set has failed
X'0B5B'	A call to MVS/DFP Callable Services to update the BWO flags to a BWO disabled state for a data set has failed

X'0B5C' A call to MVS/DFP Callable Services to inquire if the BWO flags for a data set were in a BWO enabled state has failed

X'0B5D' A call to MVS/DFP Callable Services to update the BWO flags to a BWO enabled state for a data set has failed.

For further information about CICS exception trace entries, see the *CICS Problem Determination Guide*.

The values *xxxxxxxx*, *yyyyyyyy* and *zzzzzzzzzzzzzzzz* are the BWO return code, reason code and problem determination code from the MVS/DFP Callable Services Interface call to update/inquire the ICF catalog BWO attributes.

This message is accompanied by message DFHFC5806 when a file open failure occurs or by message DFHFC5810 when a file close failure occurs.

System Action: CICS makes an exception trace point entry and issues this message. No system dump is taken. The actions taken depend on the operation in progress at the time of the error.

If the error occurs while opening a file, the open request fails, the file is closed, and its state is set to UNENABLED.

If the error occurs while closing a file, the status of the file is unchanged.

If the error occurs during activity keypoint when updating the recovery point, CICS tries to update the recovery point on the next activity keypoint that creates a keypoint directory element (KPDE).

If the error occurs while setting the data set RECOVERED via CEMT or EXEC CICS commands, a non-OK response is returned.

User Response: Use the return code, reason code and problem determination code to determine why the call to MVS/DFP Callable Services has failed. For further information see *MVS/DFP Callable Services* in the *MVS/DFP V3.2 System Programming Reference*.

Ensure that the appropriate level of MVS/DFP is installed on the processor where CICS is running. Also ensure that the data set is SMS managed and known to the SMS subsystem.

Destination: Console

Module: DFHFCAT

XMEOUT Parameters: *applid, X'code', dsname, X'xxxxxxxx', X'yyyyyyyy', X'zzzzzzzzzzzzzzzz'*

DFHFC5804 *applid* **File CLOSE failed during CICS termination. File '** *filename***'.**

Explanation: An attempt to close file *filename* during orderly CICS termination has failed. This message is produced only as a warning that this file could not be closed. Data integrity has been maintained.

System Action: CICS termination continues.

If this file was open against a base data set open for update with BACKUPTYPE=DYNAMIC specified, one of the following messages is issued on the first open for update for this base data set in the next CICS run:

DFHFC5807
DFHFC5808
DFHFC5809.

User Response: In order to avoid repetition of this failure, try to determine why the file was not closed from any other DFHFCxxxx messages produced during termination.

Destination: Console

Module: DFHFCSD

XMEOUT Parameters: *applid, filename*

DFHFC5805 *applid* **File OPEN failed. RECOVERY attributes of VSAM data set are not valid. File '***filename***' data set '***dsname***'.**

Explanation: The file *filename* is defined as eligible for backup while open for update (BACKUPTYPE=DYNAMIC). An attempt to open this file for update processing (SERVREQ=ADD, DELETE or UPDATE set), has failed because CICS has detected that the RECOVERY attributes have not been validated for the VSAM base data set *dsname*. A data set cannot be defined with BACKUPTYPE=DYNAMIC without RECOVERY=ALL specified.

System Action: The file open for data set *dsname* fails. Processing continues but the file is closed and its state set to UNENABLED. Any transaction attempting to use this file is sent a NOTOPEN condition.

User Response: This is probably caused by a logic error in CICS. You should, however, check if there are any other DFHFCxxxx messages that indicate the cause of the error.

Destination: Console

Module: DFHFCFS

XMEOUT Parameters: *applid, filename, dsname*

DFHFC5806 *applid* **File OPEN failed. DFHFCAT returned an error response from a BWO action on a VSAM data set. File '***filename***' data set '***dsname***'.**

Explanation: An attempt to open file *filename* has failed due to the failure of a call to MVS/DFP Callable Services or due to an invalid state returned from a call to MVS/DFP Callable Services for the VSAM base data set *dsname*. This message is accompanied by one of the following messages depending on the type of error being reported:

DFHFC0002
DFHFC5801
DFHFC5802
DFHFC5803

System Action: CICS fails the file open request for data set *dsname*. Processing continues but the file is closed and its state set to UNENABLED. Any transaction attempting to use this file is sent a NOTOPEN condition.

User Response: See the accompanying message for the appropriate action to take in resolving this error.

Destination: Console

Module: DFHFCFS

XMEOUT Parameters: *applid, filename, dsname*

DFHFC5807 *applid* **File OPEN failed. BACKUPTYPE attributes conflict with those currently defined for the VSAM data set. File '***filename***' data set '***dsname***'.**

Explanation: An attempt to open file *filename* for update processing, (SERVREQ=ADD, DELETE or UPDATE set), against the VSAM base data set *dsname* has failed. This is because CICS has detected an attribute conflict between the opening CICS FCT entry and the base data set's DSNB which was already opened for update. An FCT entry with a BACKUPTYPE=STATIC cannot be opened against a DSNB which already has or had an FCT entry opened against it with BACKUPTYPE=DYNAMIC. Similarly, an FCT entry with a BACKUPTYPE=DYNAMIC cannot be opened against a DSNB which already has or had an FCT entry opened against it with BACKUPTYPE=STATIC.

Note: A CICS base data set's DSNB cannot change BACKUPTYPE midway through a CICS run. In order to do this, you must destroy the DSNB and create a new one. There are three ways of doing this:

- CEMT SET DSNAME REMOVE
- EXEC CICS SET DSNAME REMOVE
- Terminate CICS and restart with a cold start.

If you respecify a DSNB with BACKUPTYPE=DYNAMIC, where previously it was specified with RECOVERY=NONE or BACKOUTONLY and BACKUPTYPE=STATIC, no forward recovery logging exists for the time that the DSNB had RECOVERY=NONE or BACKOUTONLY specified. Therefore you should take a backup copy of the data set before the change. This ensures that the data set can be recovered to a consistent point should a failure occur.

System Action: The file open for data set *dsname* fails. CICS continues processing but the file is closed and its state set to UNENABLED. Any transaction attempting to use this file is sent a NOTOPEN condition.

User Response: Determine the correct values for the BACKUPTYPE and RECOVERY attributes, and if necessary, redefine them for the FCT entry via CEDA.

Alternatively, remove the old DSNB as already described and reattempt the open.

Destination: Console

Module: DFHFCFS

XMEOUT Parameters: *applid, filename, dsname*

DFHFC5808 *applid* **File OPEN warning. VSAM data set already set eligible for BWO on first open for update. File '***filename***' data set '***dsname***'.**

Explanation: The file *filename* is defined as eligible for backup while open for update (BACKUPTYPE=DYNAMIC). While opening this file for update processing, (SERVREQ=ADD, DELETE or UPDATE set), against the VSAM base data set *dsname*, CICS detected that the ICF catalog has already defined this base data set as eligible for BWO.

If a batch job has updated this data set in a prior batch window and a DFHSM backup was scheduled for the same time, you should discard the backup produced in the batch window as it is not possible to forward recover it to a consistent point should a failure occur. This is because updates made to the data set in the batch window are not reflected in the CICS forward recovery logs. This situation is likely to arise if CICS fails to close a file defined with BACKUPTYPE=DYNAMIC during CICS termination.

System Action: CICS updates the ICF catalog recovery point and open processing continues.

User Response: To ensure complete data integrity, quiesce all files opened against this base data set and take a backup copy. This can now be forward recovered at a later date and reflects updates made to this data set during a prior batch window.

Destination: Console

Module: DFHFCFS

XMEOUT Parameters: *applid, filename, dsname*

DFHFC5809 *applid* **File OPEN warning. BACKUPTYPE attributes conflict with BWO values defined in ICF catalog. BWO values have been updated. File '***filename***' data set '***dsname***'.**

Explanation: The file *filename* is defined as not eligible for backup while open for update (BACKUPTYPE=STATIC). While opening this file for update processing (SERVREQ=ADD, DELETE or UPDATE set), against the VSAM base data set *dsname*, CICS detected that the BWO flags in the ICF catalog already defined this base data set as eligible for BWO. However, the CICS FCT entry and the DSNB define the base data set as not eligible for BWO.

If a batch job has updated this data set in a prior batch window and a DFHSM backup was scheduled for the same time, you should discard the backup produced in the batch window as it is not possible to forward recover it to a consistent point should a failure occur. This is because updates made to the data set in the batch window are not reflected in the CICS forward recovery logs.

This situation is likely to arise if CICS fails to close a file that is defined with BACKUPTYPE=DYNAMIC, during CICS termination and the file is redefined with BACKUPTYPE=STATIC on a subsequent CICS run.

System Action: CICS updates the ICF catalog to indicate that the data set is no longer eligible for BWO. File open processing continues.

User Response: Determine the correct value for the BACKUPTYPE attribute, and if necessary, redefine it via CEDA.

Destination: Console

Module: DFHFCFS

XMEOUT Parameters: *applid, filename, dsname*

DFHFC5810 *applid* **File CLOSE failed. DFHFCAT returned an error response from a BWO action on a VSAM data set. File '***filename***' data set '***dsname***'.**

Explanation: An attempt to close file *filename* has failed because of the failure of a call to MVS/DFP Callable Services for the VSAM base data set *dsname*. This file is defined as eligible for backup while open for update (BACKUPTYPE=DYNAMIC), and is open for update processing, (SERVREQ=ADD, DELETE or UPDATE set). This message is accompanied by message DFHFC5803 or DFHFC0002, depending on the type of error reported.

System Action: The file close request for data set *dsname* fails. Processing continues and the file remains open.

User Response: See the accompanying message for the appropriate action to take in resolving this error.

Destination: Console

Module: DFHFCFS

XMEOUT Parameters: *applid, filename, dsname*

DFHFC5811 *applid* **File OPEN warning. BACKUPTYPE=DYNAMIC attribute has been ignored. File '***filename***' data set '***dsname***'.**

Explanation: The file *filename* is defined as eligible for backup while open for update (BACKUPTYPE=DYNAMIC). During an attempt to open this file for update processing, (SERVREQ=ADD, DELETE or UPDATE set), against the VSAM base data set *dsname*, either:

- CICS has detected that the appropriate levels of software needed for VSAM backup while open (BWO) support have not been installed, or

- The appropriate MVS/DFP Callable Services modules could not be loaded.

System Action: CICS ignores the BACKUPTYPE=DYNAMIC parameter and continues as if STATIC were specified. File open processing continues.

User Response: If BWO support is required, ensure that the appropriate level of MVS/DFP Callable Services is installed.

If BWO support is not required, ensure that the file is defined with the BACKUPTYPE=STATIC attribute.

Destination: Console

Module: DFHFCFS

XMEOUT Parameters: *applid, filename, dsname*

DFHFC5812 *applid* **File OPEN warning. BACKUPTYPE=DYNAMIC has been ignored for VSAM AIX data set. STATIC has been defaulted. File** *filename* **data set** *dsname***.**

Explanation: The file *filename* is defined as eligible for backup while open for update (BACKUPTYPE=DYNAMIC). This file is opening against the data set *dsname* which is a VSAM AIX. BACKUPTYPE=DYNAMIC is not a valid option for a VSAM AIX. BACKUPTYPE=STATIC has been defaulted.

System Action: File open processing continues.

User Response: Redefine this file via CEDA, specifying BACKUPTYPE=STATIC.

Destination: Console

Module: DFHFCFS

XMEOUT Parameters: *applid, filename, dsname*

DFHFC5813 *applid* **File OPEN warning. Level of** *{DFHSM | DFDSS | DFHSM and DFDSS}* **does not support BWO.**

Explanation: You have opened a VSAM file for update and requested backup while open (BWO) support by specifying BACKUPTYPE=DYNAMIC in the FCT. However, CICS has detected that the software release level of DFHSM and/or DFDSS required for BWO support has not been installed on the processor on which CICS is running.

This message is issued once for the first file to open for update and be defined as eligible for BWO after a cold or initial start.

System Action: CICS file open processing continues. If the file open completes without error, the file is defined as eligible for BWO. However, no BWO backup facilities are available using DFHSM and/or DFDSS on the processor on which CICS is running.

User Response: Ensure that DFHSM and/or DFDSS, both of version 2.5.0 or later, are installed on the processor on which the BWO backup is to be made.

Note: DFSMS/MVS 1.1 (DFSMShsm and DFSMSdss) supersedes DFHSM 2.5 and DFDSS 2.5.

Destination: Console

Module: DFHFCAT

XMEOUT Parameters: *applid, {1=DFHSM, 2=DFDSS, 3=DFHSM and DFDSS}*

DFHFC5814 *applid* **An error (code** *X'code'***) has occurred while inquiring on VSAM data set attributes in the ICF catalog.** *{SHOWCAT | LOCATE}* **return code** *X'rrrr'***. Data set** *dsname***.**

Explanation: While reading the ICF catalog to obtain attributes of data set *dsname*, CICS received return code *rrrr* from a VSAM SHOWCAT or LOCATE macro or detected an associated error. The error code *code* is the exception trace which uniquely identifies the error. It can take the following values:

Value	Meaning
X'237A'	SHOWCAT for the data set failed with return code *rrrr*.
X'237B'	In the VSAM catalog entry for an AIX, either the data association or the base cluster association is missing.
X'237C'	SHOWCAT for the AIX of a path failed with return code *rrrr*.
X'237D'	The VSAM catalog entry for a path does not have a base cluster or an AIX as its first association.
X'237E'	LOCATE for the data set failed with return code *rrrr*.

For further information about CICS exception trace entries, see the *CICS Diagnosis Reference*.

System Action: CICS processing continues after making an exception trace entry and taking a system dump with dumpcode FC5814.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Use the SHOWCAT or LOCATE return code if present to determine the cause of the problem. For the meaning of the SHOWCAT return code, see *DFSMS/MVS Version 1 Release 5 Macro Instructions for Data Sets*. For the meaning of the LOCATE return code, see *DFSMS/MVS Version 1 Release 5 DFSMSdfp Advanced Services*. A VSAM LISTCAT listing for the data set may also be useful.

If you cannot resolve the problem or the problem recurs, there may be a more severe error. In this case, you will need assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Module: DFHFCAT

XMEOUT Parameters: *applid, X'code', {1=SHOWCAT, 2=LOCATE}, X'rrrr', dsname*

DFHFC5815 *applid* **An error has occurred while inquiring on VSAM data set attributes in the ICF catalog. VSAM RLS codes** *X'rrrr'***,** *X'cccc'***. Problem determination:** *X'dddddddd'***. Data set** *dsname***.**

Explanation: While reading the ICF catalog to obtain RLS attributes of data set *dsname*, CICS received reason code *cccc* from a VSAM IGWARLS macro. *rrrr* is the return code in register 15. *dddddd* is any available VSAM problem determination information.

System Action: CICS processing continues after making an exception trace entry and taking a system dump with dumpcode FC5815.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Use the IGWARLS reason code and problem determination information to determine the cause of the problem. For the meaning of the IGWARLS reason code, see *DFSMS/MVS Version 1 Release 5 DFSMSdfp Advanced Services*.

If you cannot resolve the problem or the problem recurs, there may be a more severe error. In this case, you will need assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Module: DFHFCAT

XMEOUT Parameters: *applid, X'rrrr', X'cccc', X'dddddddd', dsname*

DFHFC5820 *applid* **Any files that are still open against the base data set may need to be closed. File** *filename***, data set** *dsname***.**

Explanation: File *filename* was the first file to open a dynamically allocated data set *dsname*. This file is being closed leaving one or more files still open against the same base data set. However, if one of these files requires secondary extents, the request will fail with a CICS ILLOGIC error (EIBRCODE X'08BA0000').

System Action: Close processing completes normally.

User Response: To avoid this potential problem, you are advised to close and reopen the files that remain open against the base data set.

If you are unsure of the data set associations, run a LISTCAT against the above base dataset to produce a list of all associated data sets. Use CEMT INQ FILE(*) to identify which files are affected. All of these should be closed and reopened, for example, using the CEMT SET FILE(file name) CLOSE and CEMT SET FILE(file name) OPEN.

Destination: Console

Module: DFHFCFS

XMEOUT Parameters: *applid, filename, dsname*

DFHFC6000 *date time applid* **About to** *{quiesce | unquiesce}* **data set** *dsname*

Explanation: This message is issued just before a request is made to VSAM RLS to quiesce or unquiesce base data set *dsname* throughout the sysplex. The quiesce or unquiesce is initiated either by an end user issuing EXEC CICS SET DSNAME QUIESCESTATE or the CEMT equivalent, or internally by CICS.

System Action: The data set is quiesced or unquiesced, as indicated in the message.

User Response: None.

Destination: CSFL

Module: DFHFCQS

XMEOUT Parameters: *date, time, applid, {1=quiesce, 2=unquiesce}, dsname*

DFHFC6001 *date time applid* **Data set successfully** *{quiesced | unquiesced}* **by** *{CICS | user}***. Data set** *dsname*

Explanation: A request to VSAM RLS to quiesce or unquiesce base data set *dsname* throughout the sysplex has been successfully completed.

System Action: CICS processing continues. The quiesce state of the data set in the ICF catalog is set to quiesced or unquiesced, as indicated in the message.

User Response: None.

Destination: Console and Transient Data Queue CSFL

Module: DFHFCQS

XMEOUT Parameters: *date, time, applid, {1=quiesced, 2=unquiesced}, {1=CICS, 2=user}, dsname*

DFHFC6003 *date time applid* **Attempt by** *{CICS | user}* **to** *{quiesce | unquiesce}* **a data set has been rejected because** *{quiesce | unquiesce | non-BWO backup | BWO backup | unknown event}* **is in progress. Data set** *dsname*

Explanation: This message is issued after a request to VSAM RLS to quiesce or unquiesce base data set *dsname* throughout the sysplex was rejected because a conflicting data set operation is in progress for that data set. The conflicting operation is specified in the message.

System Action: CICS processing continues. The quiesce state of the data set in the ICF catalog remains unchanged.

User Response: Wait for the conflicting data set operation to complete then retry the quiesce or unquiesce using EXEC CICS SET DSNAME or the CEMT equivalent.

Destination: Console and Transient Data Queue CSFL

Module: DFHFCQS

XMEOUT Parameters: *date, time, applid, {1=CICS, 2=user}, {1=quiesce, 2=unquiesce}, {1=quiesce, 2=unquiesce, 3=non-BWO backup, 4=BWO backup, 5=unknown event}, dsname*

DFHFC6005 *date time applid* **Attempt by** *{CICS | user}* **to quiesce a data set has failed. Quiesce was cancelled. Data set** *dsname*

Explanation: A request to VSAM RLS to quiesce base data set *dsname* throughout the sysplex has been cancelled by a participating CICS region. The CICS region could be any CICS in the sysplex. The quiesce was cancelled for one of the following reasons.

- An end user issued an EXEC CICS SET DSNAME UNQUIESCED command
- User code at global exit XFCVSDS suppressed the quiesce
- User code at global exit XFCSREQ suppressed the close of a file that is open against the data set
- The quiesce would not complete and was timed out

A preceding console message in the sysplex indicates the reason. For XFCVSDS the message is DFHFC6023. For XFCSREQ the message is DFHFC6024. For timeout the message is DFHFC6020. If there is no preceding message, EXEC CICS SET DSNAME UNQUIESCED has been used.

System Action: CICS processing continues. The quiesce state of the data set in the ICF catalog is set to unquiesced as a result of the cancel.

User Response: The response depends on the reason for the cancellation. If a preceding message was issued, refer to the explanation for that message for background information.

If EXEC CICS SET DSNAME UNQUIESCED was the reason, determine what the desired quiesce state should really be. If it should be quiesced, issue an EXEC CICS SET DSNAME QUIESCED command or the CEMT equivalent.

If an exit suppressed the quiesce, the user code at XFCVSDS or XFCSREQ must be disabled on all CICS regions in the sysplex before the data set can be quiesced.

If the quiesce timed out, retry the quiesce using EXEC CICS SET DSNAME QUIESCED or the CEMT equivalent. If the timeout occurs again, consider using EXEC CICS SET DSNAME IMMQUIESCED or the CEMT equivalent. This force-purges transactions accessing the data set, thereby speeding up the

closing of files. Alternatively, attempt to identify any long-running transactions that are using the data set, and terminate them.

Destination: Console and Transient Data Queue CSFL

Module: DFHFCQS

XMEOUT Parameters: *date, time, applid, {1=CICS, 2=user}, dsname*

DFHFC6007 *date time applid* **Attempt by** *{CICS | user}* **to** *{quiesce | unquiesce}* **a data set failed because the SMSVSAM server is not available. Data set** *dsname*

Explanation: A request to VSAM RLS to quiesce or unquiesce base data set *dsname* throughout the sysplex has failed because the SMSVSAM server address space is not available.

System Action: CICS processing continues. The SMSVSAM server address space should attempt to restart automatically.

The quiesce state of the data set in the ICF catalog is unpredictable.

User Response: The SMSVSAM server address space should normally restart itself. If it does not, restart the SMSVSAM server address space manually. Then issue an EXEC CICS SET DSNAME command or the CEMT equivalent to set the quiesce state in the ICF catalog to quiesced or unquiesced as desired.

If the SMSVSAM server address space fails to restart, there may be a more severe error. In this case, you need assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: Console and Transient Data Queue CSFL

Module: DFHFCQS

XMEOUT Parameters: *date, time, applid, {1=CICS, 2=user}, {1=quiesce, 2=unquiesce}, dsname*

DFHFC6008 *date time applid* **Attempt by** *{CICS | user}* **to** *{quiesce | unquiesce}* **a data set has failed. VSAM RLS codes** *X'rrrr'*, *X'cccc'*. **Data set** *dsname*

Explanation: This message is issued after a request to VSAM RLS to quiesce or unquiesce base data set *dsname* throughout the sysplex failed with an unexpected error. The VSAM IDAQUIES macro failed with reason code *cccc*. *rrrr* is the return code in register 15.

System Action: CICS processing continues after taking a system dump with dumpcode FC6008. The quiesce state of the data set in the ICF catalog is unpredictable.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Use the IDAQUIES reason code to determine the cause of the problem. For the meaning of the IDAQUIES reason code, see the *DFSMS/MVS Version 1 Release 5 DFSMSdfp Diagnosis Reference*.

When the problem has been resolved, issue an EXEC CICS SET DSNAME command or CEMT equivalent to set the quiesce state in the ICF catalog to quiesced or unquiesced as desired.

If you cannot resolve the problem or the problem recurs, there may be a more severe error. In this case, you will need assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: Console and Transient Data Queue CSFL

Module: DFHFCQS

XMEOUT Parameters: *date, time, applid, {1=CICS, 2=user}, {1=quiesce, 2=unquiesce}, X'rrrr', X'cccc', dsname*

DFHFC6009 *date time applid* **Attempt by** *{CICS | user}* **to** *{quiesce | unquiesce}* **a data set has failed because a VSAM data set could not be located** *dsname*

Explanation: A request to VSAM RLS to quiesce or unquiesce base data set *dsname* throughout the sysplex failed because *dsname* could not be located.

System Action: CICS processing continues.

User Response: Investigate associated error messages to find the cause of the problem, then retry quiesce or unquiesce.

Destination: Console and Transient Data Queue CSFL

Module: DFHFCQS

XMEOUT Parameters: *date, time, applid, {1=CICS, 2=user}, {1=quiesce, 2=unquiesce}, dsname*

DFHFC6010 *date time applid* **Attempt by** *{CICS | user}* **to** *{quiesce | unquiesce}* **a data set has failed because it has been migrated. Data set** *dsname*

Explanation: A request to VSAM RLS to quiesce or unquiesce base data set *dsname* throughout the sysplex failed because *dsname* has been migrated. The data set must be recalled before the quiesce or unquiesce can take place.

System Action: CICS processing continues.

User Response: Recall the data set and retry the quiesce or unquiesce.

Destination: Console and Transient Data Queue CSFL

Module: DFHFCQS

XMEOUT Parameters: *date, time, applid, {1=CICS, 2=user}, {1=quiesce, 2=unquiesce}, dsname*

DFHFC6015 *date time applid* **About to cancel** *{non-BWO | BWO}* **backup of data set** *dsname*

Explanation: A request is about to be made to VSAM RLS to cancel a DFSMSdss-initiated backup for base data set *dsname*. This is performed in response to user code at global exit XFCVSDS suppressing the backup.

The message indicates whether the backup is BWO or non-BWO.

System Action: The backup is cancelled throughout the sysplex.

User Response: None.

Destination: CSFL

Module: DFHFCQS

XMEOUT Parameters: *date, time, applid, {1=non-BWO, 2=BWO}, dsname*

DFHFC6016 *date time applid {Non-BWO | BWO}* **backup of a data set cancelled by CICS. Data set** *dsname*

Explanation: A request to VSAM RLS to cancel a DFSMSdss-initiated backup for base data set *dsname* has been successful.

System Action: CICS continues processing. The BWO or non-BWO backup is cancelled throughout the sysplex.

User Response: None.

Destination: Console and Transient Data Queue CSFL

Module: DFHFCQS

XMEOUT Parameters: *date, time, applid, {1=Non-BWO, 2=BWO}, dsname*

DFHFC6017 *date time applid* **Attempt by CICS to cancel a** *{non-BWO | BWO}* **backup of a data set has been rejected because a cancel is already underway. Data set** *dsname*

Explanation: A request to VSAM RLS to cancel a DFSMSdss-initiated backup for base data set *dsname* has been rejected because another cancel is already underway.

System Action: CICS processing continues. The BWO or non-BWO backup is cancelled throughout the sysplex by the other cancel request.

User Response: None.

Destination: Console and Transient Data Queue CSFL

Module: DFHFCQS

XMEOUT Parameters: *date, time, applid, {1=non-BWO, 2=BWO}, dsname*

DFHFC6018 *date time applid* **Attempt by CICS to cancel a** *{non-BWO | BWO}* **backup of a data set failed because the SMSVSAM server is not available. Data set** *dsname*

Explanation: A request to VSAM RLS to cancel a DFSMSdss-initiated backup for base data set *dsname* failed because the SMSVSAM server address space was not available.

System Action: CICS processing continues. The SMSVSAM server address space should attempt to restart automatically.

The BWO or non-BWO backup request is not canceled. The backup may fail or succeed depending on whether the SMSVSAM server concerned is coordinating the backup or not.

User Response: The SMSVSAM server address space should normally restart itself. If it does not, restart the SMSVSAM server address space manually. Then use DFSMSdss to retry the backup if it failed.

If the SMSVSAM server address space fails to restart, a more severe error is indicated. In this case, you will need assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: Console and Transient Data Queue CSFL

Module: DFHFCQS

XMEOUT Parameters: *date, time, applid, {1=non-BWO, 2=BWO}, dsname*

DFHFC6019 *date time applid* **Attempt by CICS to cancel a** *{non-BWO | BWO}* **backup of a data set has failed. VSAM RLS codes** *X'rrrr'*, *X'cccc'*. **Data set** *dsname*

Explanation: A request to VSAM RLS to cancel a DFSMSdss-initiated backup for base data set *dsname* has failed with an unexpected error. The VSAM IDAQUIES macro failed with reason code *cccc*. *rrrr* is the return code in register 15.

System Action: CICS processing continues after taking a system dump with dumpcode FC6019. The BWO or non-BWO backup is not cancelled.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Use the IDAQUIES reason code to determine the cause of the problem. For the meaning of the IDAQUIES reason code, see the *DFSMS/MVS Version 1 Release 5 DFSMSdfp Diagnosis Reference*.

If you cannot resolve the problem, or the problem recurs, a more severe error is indicated. In this case, you will assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: Console and Transient Data Queue CSFL

Module: DFHFCQS

XMEOUT Parameters: *date, time, applid, {1=non-BWO, 2=BWO}, X'rrrr', X'cccc', dsname*

DFHFC6020 *date time applid* **Timeout has occurred while quiescing a data set. Quiesce will be cancelled. Data set** *dsname*

Explanation: The request made to VSAM RLS to quiesce base data set *dsname* throughout the sysplex has timed out. The timeout limit is given by the system initialization parameter QUIESTIM.

This is probably due to the presence of long-running transactions on a participating CICS region failing to reach syncpoint, and therefore preventing the close of files open against the data set.

System Action: CICS cancels the quiesce throughout the sysplex by issuing an unquiesce for the data set. Depending upon the timing of the unquiesce request, one of two situations can result:

1. Normally the unquiesce is processed immediately and the quiesce request is canceled by VSAM. In this case, message DFHFC6020 is followed by messages DFHFC6000 and DFHFC6001 for the unquiesce completing.
2. Occasionally, depending on the timing of the unquiesce, the original quiesce request completes before the unquiesce request has been processed. Because the unquiesce cannot be canceled, it completes thereby canceling the original quiesce. In this case, message DFHFC6020 is followed by messages DFHFC6000, DFHFC6027, a DFHFC6001 for the quiesce completing, and another DFHFC6001 for the unquiesce completing.

User Response: If timeouts occur regularly, the following action can be taken to resolve the problem

- Increase the QUIESTIM SIT value. This can be useful if the system is particularly busy when quiesces are likely to be issued.
- Change the long-running transaction which is holding up the request. Note that the transaction can be on any CICS in the sysplex.

The SET DSNAME IMMQUIESCED command can be used to force purge any transaction and quiesce the data set. This should not be used regularly because force purges can occasionally abend CICS. The messages issued as part of the force purge enable the system programmer to identify the long-running transaction if no other method is available.

See also the Explanation of message DFHFC6005 for guidance.

Destination: Console and Transient Data Queue CSFL

Module: DFHFCQS

XMEOUT Parameters: *date, time, applid, dsname*

DFHFC6021 *date time applid* **An error has occurred while notifying VSAM RLS of the completion of CICS processing for a data set quiesce or backup. VSAM RLS codes** *X'rrrr'*, *X'cccc'*. **Data set** *dsname*

Explanation: An unexpected error occurred when CICS notified VSAM RLS that it had completed its processing for a data set quiesce, or for a BWO or non-BWO backup. The VSAM IDAQUIES macro failed with reason code *cccc*. *rrrr* is the return code in register 15.

System Action: CICS processing continues after taking a system dump is taken with dumpcode FC6021. The failure of the IDAQUIES macro may cause the data set operation to timeout or fail.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Use the IDAQUIES reason code to determine the cause of the problem. For the meaning of the IDAQUIES reason code, see the *DFSMS/MVS Version 1 Release 5 DFSMSdfp Diagnosis Reference*.

If the data set operation has failed, retry the data set operation once the problem has been resolved,

If you cannot resolve the problem, or the problem reoccurs, a more severe error is indicated. In this case, you will need assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: Console and Transient Data Queue CSFL

Module: DFHFCQI

XMEOUT Parameters: *date, time, applid, X'rrrr', X'cccc', dsname*

DFHFC6022 STORAGE OBTAIN macro failure in CICS RLS quiesce exit. MVS code *X'rrrr'*

Explanation: The CICS RLS quiesce exit was driven by VSAM RLS to process a data set operation request. An attempt was made to get storage for the request but the STORAGE OBTAIN macro failed. *rrrr* is the return code in register 15.

System Action: The CICS RLS quiesce exit writes a GTF trace entry. The request is **not** processed by CICS. The data set operation continues throughout the sysplex.

User Response: Use the return code to determine the cause of the problem, then refer to the Explanation of message DFHFC6030 for guidance. For the meaning of the return code, refer to the *OS/390 MVS System Codes* manual.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHFCQX

DFHFC6023 *date time applid* **The quiesce of a data set has been suppressed by user exit XFCVSDS. Quiesce will be cancelled. Data set** *dsname*

Explanation: User code at global exit XFCVSDS has suppressed a quiesce for base data set *dsname*.

System Action: CICS cancels the quiesce throughout the sysplex by issuing an unquiesce for the data set.

User Response: See the Explanation of message DFHFC6005 for guidance.

Destination: Console and Transient Data Queue CSFL

Module: DFHFCQU

XMEOUT Parameters: *date, time, applid, dsname*

DFHFC6024 *date time applid* **The quiesce of a data set has been suppressed by user exit XFCSREQ. Quiesce will be cancelled. Data set** *dsname*

Explanation: User code at global exit XFCSREQ has suppressed the close of a file open against base data set *dsname*. The file was being closed because the data set was being quiesced.

System Action: CICS cancels the quiesce throughout the sysplex by issuing an unquiesce for the data set.

User Response: See the Explanation of message DFHFC6005 for guidance.

Destination: Console and Transient Data Queue CSFL

Module: DFHFCFS

XMEOUT Parameters: *date, time, applid, dsname*

DFHFC6025 *date time applid {Non-BWO | BWO}* **backup of a data set has been suppressed by user exit XFCVSDS. Backup will be cancelled. Data set** *dsname*

Explanation: User code at global exit XFCVSDS has suppressed a DFSMSdss-initiated backup for base data set *dsname*.

System Action: CICS cancels the backup throughout the sysplex.

User Response: If the backup must take place, before it can succeed the user code at XFCVSDS must be disabled on all CICS regions in the sysplex.

Destination: Console and Transient Data Queue CSFL

Module: DFHFCQU

XMEOUT Parameters: *date, time, applid, {1=Non-BWO, 2=BWO}, dsname*

DFHFC6026 *date time applid* **An error has occurred while notifying VSAM RLS of the completion of CICS processing for a data set quiesce or backup. The SMSVSAM server is not available. Data set** *dsname*

Explanation: CICS has notified VSAM RLS that it has completed its processing for a data set quiesce, or a BWO or non-BWO backup, but the SMSVSAM server address space is not available.

System Action: CICS processing continues. The SMSVSAM server address space should attempt to restart automatically.

The data set operation may fail or succeed, depending on whether the SMSVSAM server concerned was coordinating the operation or not.

User Response: The SMSVSAM server address space should normally restart itself. If it does not, restart the SMSVSAM server address space manually. Retry the data set operation if it has failed.

If the SMSVSAM server address space fails to restart, a more severe error is indicated. In this case, you will need assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: Console and Transient Data Queue CSFL

Module: DFHFCQI

XMEOUT Parameters: *date, time, applid, dsname*

DFHFC6027 *date time applid* **VSAM RLS has been notified of the completion of CICS processing for a quiesce or backup of data set** *dsname*

Explanation: CICS has successfully notified VSAM RLS that it has completed its processing for a data set quiesce, or a BWO or non-BWO backup.

System Action: CICS processing continues. The data set operation continues throughout the sysplex, until all CICS systems involved have successfully notified VSAM RLS of the completion of their processing.

User Response: None.

Destination: CSFL

Module: DFHFCQI

XMEOUT Parameters: *date, time, applid, dsname*

DFHFC6028 *date time applid* **File Control RLS quiesce system transaction** *transid* **has started.**

Explanation: CICS system transaction CFQS or CFQR has started successfully.

CFQS and CFQR provide support for VSAM RLS data set quiesce and unquiesce operations, DFSMSdss-initiated BWO and non-BWO backups, and certain other data set related operations.

System Action: CICS processing continues.

User Response: None.

Destination: CSFL

Module: DFHFCQT

XMEOUT Parameters: *date, time, applid, transid*

DFHFC6029 *date time applid* **File Control RLS quiesce system transaction** *transid* **has failed. Reattach will be attempted.**

Explanation: CICS system transaction CFQS or CFQR has failed due to a serious error. An attempt will be made to reattach the transaction *transid*.

A preceding message should indicate the cause of the error.

CFQS and CFQR provide support for VSAM RLS data set quiesce and unquiesce operations, DFSMSdss-initiated BWO and non-BWO backups, and certain other data set related operations.

System Action: The transaction is reattached and CICS processing continues.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Check Transient Data Queue CSFL for message DFHFC6028, indicating that the reattach of the transaction was successful. If the reattach fails, VSAM RLS data set quiesce support is lost. If this happens, CICS must be restarted.

If it is not possible to restore VSAM RLS quiesce support, a more severe error is indicated. In this case, you will need assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: Console and Transient Data Queue CSFL

Module: DFHFCQT

XMEOUT Parameters: *date, time, applid, transid*

DFHFC6030 *date time applid* **The CICS RLS quiesce exit was unable to process data set operation request** *X'type'* **for** *{data set | cache} name*

Explanation: The CICS RLS quiesce exit was driven by VSAM RLS to process data set operation request *type* for data set or cache *name*, but encountered a severe error and was unable to process the request. The error is normally caused by a STORAGE OBTAIN macro failure

A preceding console message (normally DFHFC6022) gives more information about the error.

This message is issued by DFHFCQR on behalf of the CICS RLS quiesce exit DFHFCQX.

Note: The CICS RLS quiesce exit is used by VSAM RLS to notify CICS that processing is required for the following data set related operations. The number corresponds to *type* in the message.

01 The quiesce of a data set
02 The unquiesce of a data set
03 The start of a DFSMSdss non-BWO backup
04 The end of a DFSMSdss non-BWO backup
05 The start of a DFSMSdss BWO backup
06 The end of a DFSMSdss BWO backup
07 The recovery of lost locks for a data set
08 The completion of forward recovery for a data set
09 The recovery of a coupling facility cache structure.

System Action: CICS continues after taking a system dump with dumpcode FC6030. The data set operation request is **not** processed by CICS.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Referring to the preceding console message, attempt to determine the cause of the problem.

Because CICS could not process the request, this might invalidate later processing. For example, if the request was for the quiesce of a data set, open files against the data set must be closed manually, or the quiesce retried using EXEC CICS SET DSNAME QUIESCED or the CEMT equivalent. If the request was in connection with a BWO or non-BWO backup, the backup may be invalid and should be discarded.

If you cannot resolve the problem, or the problem recurs, a more severe error is indicated. In this case, you will need assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: Console and Transient Data Queue CSFL

Module: DFHFCQR

XMEOUT Parameters: *date, time, applid, X'type', {1=data set, 2=cache}, name*

DFHFC6031 *date time applid* **Attempt by** *{CICS | user}* **to process data set operation request** *{quiesce | unquiesce}* **failed because the SMSVSAM server detected an internal error. Data set** *dsname*

Explanation: An attempt by a user to issue a quiesce function for the base data set *dsname* failed because the SMSVSAM server detected an internal error.

System Action: CICS continues processing. The request is canceled throughout the sysplex.

User Response: None.

Destination: Console and Transient Data Queue CSFL

Module: DFHFCQS

XMEOUT Parameters: *date, time, applid, {1=CICS, 2=user}, {1=quiesce, 2=unquiesce}, dsname*

DFHFC6032 *date time applid* **Attempt by CICS to cancel** *{non-BWO | BWO}* **backup request failed because the SMSVSAM server detected an internal error. Data set** *dsname*

Explanation: An attempt by CICS to cancel a backup request for the base data set *dsname* failed because the SMSVSAM server detected an internal error.

System Action: CICS continues processing. See the message from DFSMSdss and the SMSVSAM server to identify the state of the backup request.

User Response: None.

Destination: Console and Transient Data Queue CSFL

Module: DFHFCQS

XMEOUT Parameters: *date, time, applid, {1=non-BWO, 2=BWO}, dsname*

DFHFC6033 *date time applid* **Attempt by CICS to notify VSAM RLS of the completion of CICS processing for a data set quiesce or backup of a data set failed because the SMSVSAM server detected an internal error. Data set** *dsname*

Explanation: An attempt by CICS to notify VSAM RLS of the completion of CICS processing for a data set quiesce or backup for the base data set *dsname* failed because the SMSVSAM server detected an internal error.

System Action: CICS continues processing. See the message from DFSMSdss and the SMSVSAM server to identify the state of the backup request.

User Response: None.

Destination: Console and Transient Data Queue CSFL

Module: DFHFCQI

XMEOUT Parameters: *date, time, applid, dsname*

DFHFC6034 *date time applid* **Attempt by** *{CICS | user}* **to process data set operation request** *{quiesce | unquiesce}* **failed because the user is not authorized to access the sphere. Data set** *dsname*

Explanation: An attempt by a user to issue a quiesce function for the base data set *dsname* failed because the user is not authorized to access the sphere.

System Action: CICS continues processing. The request is canceled throughout the sysplex.

User Response: None.

Destination: Console and Transient Data Queue CSFL

Module: DFHFCQS

XMEOUT Parameters: *date, time, applid, {1=CICS, 2=user}, {1=quiesce, 2=unquiesce}, dsname*

DFHFC6035 *date time applid* **Attempt by CICS to cancel** *{non-BWO | BWO}* **backup request failed because the user is not authorized to access the sphere. Data set** *dsname*

Explanation: Attempt by CICS to cancel a backup request for the base data set *dsname* failed because the user is not authorized to access the sphere.

System Action: CICS continues processing. See the message from DFSMSdss and the SMSVSAM server to identify the state of the backup request.

User Response: None.

Destination: Console and Transient Data Queue CSFL

Module: DFHFCQS

XMEOUT Parameters: *date, time, applid, {1=non-BWO, 2=BWO}, dsname*

DFHFC6036 *date time applid* **Attempt by CICS to notify VSAM RLS of the completion of CICS processing for a data set quiesce or backup of a data set failed because the user is not authorized to access the sphere. Data set** *dsname*

Explanation: An attempt by CICS to notify VSAM RLS of the completion of CICS processing for a data set quiesce or backup for the base data set *dsname* failed because the user is not authorized to access the sphere.

System Action: CICS continues processing. See the message from DFSMSdss and the SMSVSAM server to identify the state of the backup request.

User Response: None.

Destination: Console and Transient Data Queue CSFL

Module: DFHFCQI

XMEOUT Parameters: *date, time, applid, dsname*

DFHFC7000 *applid* **The maximum records parameter(***rrrr***) specified on OPEN of coupling facility data table** *dddd***, poolname** *pppp***, for file** *filename***, differs from the current maximum records parameter(***ssss***) for the table.**

Explanation: During OPEN of coupling facility data table *dddd* for file *filename* it has been found that the maximum records parameter *rrrr* specified in the file definition is different from that already specified for the table on a previous OPEN or server SET command.

System Action: The open continues. This is a warning message. The maximum records parameter *ssss* already set is the one that applies. The different maximum records parameter is ignored.

User Response: Ensure that the maximum records parameter that is in use is as expected. If not, delete the table and reopen it after correcting the maximum records parameter in the file definition. Alternatively, reopen the table via another file definition that already has the correct maximum records parameter or use the coupling facility data table server SET command to change the maximum records parameter for the table.

Destination: Console

Module: DFHFCDO

XMEOUT Parameters: *applid, rrrr, dddd, pppp, filename, ssss*

DFHFC7002 *applid* **OPEN of coupling facility data table** *dddd* **for file** *filename***, pool** *poolname***, has failed because access is not allowed.**

Explanation: The OPEN of coupling facility data table *dddd* for file *filename*, pool *poolname* has failed because access is not allowed. The security check for the table has failed.

A RACF message containing a return code indicating the reason for failure will have been issued prior to this message.

System Action: The table cannot be opened.

User Response: Set the correct table access using RACF.

Destination: Console

Module: DFHFCDO

XMEOUT Parameters: *applid, dddd, filename, poolname*

DFHFC7003 *applid* **OPEN of coupling facility data table** *dddd* **for file** *filename***, pool** *poolname***, has failed because the table is not currently available for access.**

Explanation: The OPEN of coupling facility data table *dddd* for file *filename*, pool *poolname*, has failed because the table is currently not available for access. The table has been set unavailable by an earlier server command. This prevents the opening of new files against this table.

System Action: The table cannot be opened. CICS continues processing with the table closed and its state unenabled. Any transactions attempting to use the table will get a NOTOPEN condition.

User Response: Ensure that the server command to set the table available is issued before attempting to open the file. The format of this command is MODIFY server-name,SET TABLE=name,AVAILABLE=YES|NO

Destination: Console

Module: DFHFCDO

XMEOUT Parameters: *applid, dddd, filename, poolname*

DFHFC7004 *applid* **OPEN of coupling facility data table** *dddd* **for file** *filename***, pool** *poolname***, has failed because the table is not yet loaded.**

Explanation: The OPEN of coupling facility data table *dddd* for file *filename*, pool *poolname*, has failed because the table requires loading and is not already being loaded. The user has tried to open it for shared access. A shared access open will only succeed if the table is already being loaded or has completed loading.

System Action: The table cannot be opened.

User Response: Investigate why the table has not already been loaded or started loading. Change the file definition to make this OPEN do the load if that is appropriate.

Destination: Console

Module: DFHFCDO

XMEOUT Parameters: *applid, dddd, filename, poolname*

DFHFC7005 *applid* **OPEN of coupling facility data table** *dddd* **for file** *filename***, pool** *poolname***, has failed because of a shared access conflict.**

Explanation: The OPEN of coupling facility data table *dddd* for file *filename*, pool *poolname*, has failed because of a shared access conflict. CICS either requests an EXCLUSIVE open (for the purposes of loading) or a SHARED open (for all other cases).

For a shared open request, this error means that the open mode which CICS has specified for this data table conflicts with the shared access mode which has been specified by an existing exclusive open for the data table. For an exclusive open request, this means that the shared access mode which CICS has specified on the open conflicts with one or more existing shared opens for the data table. CICS should not normally specify conflicting open or shared access modes.

System Action: The file cannot be opened.

User Response: Investigate the access modes of other opens against the data table *dddd* in pool *poolname*, using a server query, to determine whether there is an error.

Destination: Console

Module: DFHFCDO

XMEOUT Parameters: *applid, dddd, filename, poolname*

DFHFC7006 *applid* **OPEN of coupling facility data table** *dddd* **for file** *filename***, pool** *poolname***, has failed because of an exclusive access conflict.**

Explanation: The OPEN of coupling facility data table *dddd* for file *filename*, pool *poolname* has failed because of an exclusive access conflict. Exclusive access to the data table is not available. This error can occur when CICS has requested an exclusive open in order to load the data table from a source data set, if another open already has exclusive access. The error can also occur on a request to delete a data table if there are any opens against the data table. CICS should not normally specify access modes which could result in an exclusive access conflict.

System Action: The table cannot be opened.

User Response: Investigate any other opens against the data table *dddd* in pool *poolname*, for example using a server query, to determine whether it is expected that access is denied.

Destination: Console

Module: DFHFCDO

XMEOUT Parameters: *applid, dddd, filename, poolname*

DFHFC7007 *applid* **OPEN of coupling facility data table** *dddd* **for file** *filename***, pool** *poolname***, has failed because one or more attributes on the file definition are incompatible with those that were set for the table when it was created.**

Explanation: An OPEN request naming an existing table specifies one or more attributes for the table which are not compatible with those for the existing table. The coupling facility data table server has rejected the open.

The attributes that may be incorrect are:

- record length
- key length
- initial load option
- update model
- recovery status

This can also occur if the coupling facility data table server that is attempting to open the table is at a lower release level than the server which created the table, as the newer server may have set internal attributes when it created the table which are not supported by the older server.

System Action: CICS fails the open.

User Response:

Use the coupling facility data table server DISPLAY command to view the attributes for the table and then determine whether :

- the file definition for the table just opened should have its attributes changed to match the server values
- the already created table is incorrect because the file definition whose open caused the creation of the table has incorrect attributes. In this case the table should be deleted and recreated either by correcting the file definition or via a file definition which already has the correct values.

Note that this problem could occur if there has been unintentional use of the same table name in different file definitions.

When the problem has been corrected, retry the open.

Destination: Console

Module: DFHFCDO

XMEOUT Parameters: *applid, dddd, filename, poolname*

DFHFC7010 *applid* **OPEN of coupling facility data table** *dddd* **for file** *filename***, pool** *poolname***, has failed because recovery is not enabled.**

Explanation: An attempt was made to open a recoverable table *dddd* for read/write access, but the client region has not yet issued a restart request to enable recovery support for this pool connection.

System Action: The open fails.

User Response: Investigate why there has been no restart request by checking for CICS error messages.

Destination: Console

Module: DFHFCDO

XMEOUT Parameters: *applid, dddd, filename, poolname*

DFHFC7012 *applid* **OPEN of coupling facility data table** *dddd* **for file** *filename***, pool** *poolname***, has failed because there is no space in the pool.**

Explanation: The coupling facility list structure for the table pool has no more space available.

System Action: The open fails.

User Response: Investigate whether space can be freed in the coupling facility list structure by deleting tables, or records in tables, that are no longer required.

Alternatively, use the DISPLAY POOLSTATS command to find if the structure is currently at its maximum size; and if not, increase the size using the SETXCF ALTER command.

Destination: Console

Module: DFHFCDO

XMEOUT Parameters: *applid, dddd, filename, poolname*

DFHFC7013 *applid* **OPEN of coupling facility data table** *dddd* **for file** *filename***, pool** *poolname***, has failed because the maximum number of tables has been reached.**

Explanation: A new table cannot be created because the maximum number of tables specified when the first server was started for the structure has been reached.

System Action: The open fails.

User Response: Investigate whether the number can be increased or whether there are any tables no longer required that could be deleted.

Destination: Console

Module: DFHFCDO

XMEOUT Parameters: *applid, dddd, filename, poolname*

DFHFC7014 *applid* **OPEN of coupling facility data table** *dddd* **for file** *filename***, pool** *poolname***, has failed because there are too many users.**

Explanation: The number of concurrent opens for table *dddd* has reached the maximum supported limit which is currently 1024. This means that there are already 1024 files open which all reference the same coupling facility data table in the same coupling facility data table pool.

System Action: The open fails.

User Response: Investigate reducing the number of concurrent users; that is, the number of files open against this coupling facility data table.

Destination: Console

Module: DFHFCDO

XMEOUT Parameters: *applid, dddd, filename, poolname*

DFHFC7015 *applid* **OPEN of coupling facility data table** *dddd* **for file** *filename***, pool** *poolname***, has failed because the table has been destroyed.**

Explanation: Table *dddd* in pool *poolname* is no longer valid. The most likely cause is that a delete request overlapped with the current request.

System Action: The open fails.

User Response: Investigate whether the table was deleted. This is not an error if the table is no longer required. If the table is still required, it should be recreated by opening it again.

Destination: Console

Module: DFHFCDO

XMEOUT Parameters: *applid, dddd, filename, poolname*

DFHFC7018 *applid* **OPEN of coupling facility data table** *dddd* **for file** *filename***, pool** *poolname***, has failed because the table requires loading.**

Explanation: The OPEN of file *filename* has failed because it requires the associated coupling facility data table *dddd*, which resides in coupling facility data table pool *poolname*, to have been pre-loaded, but the table has not yet been loaded. Automatic loading of the data table could not be initiated because there is no source data set specified for this file, either in the file definition or in the CICS startup JCL.

System Action: The file cannot be opened.

User Response: There are a number of possible operational errors which might have resulted in this failure:

1. The application does not require the coupling facility data table *dddd* to be pre-loaded. The 'load required' parameter should be removed from the file definition for file *filename*.
2. The application does require the coupling facility data table *dddd* to be pre-loaded, but it should already have been loaded before file *filename* was opened.

   If this is the case, then there should be at least one file definition within the sysplex that names data table *dddd* in pool *poolname* and which specifies a source data set, or for which the source data set is supplied in the CICS startup JCL. You should issue an open for one of the files which specifies the source data set, after which an open of this file should succeed.

   You may also want to put operational procedures in place which will ensure that in future this file is only opened after the data table has been loaded. Use of the data tables load complete global user exit point, XDTLC, might be one way of achieving this.
3. The application does require the coupling facility data table *dddd* to be pre-loaded, and it is intended that the load should be automatically initiated by opening file *filename* (unless the table has already been loaded).

   A source data set name should have been specified, either in the file definition for file *filename* or in the CICS startup JCL as a DD card for file *filename*, depending on whether dynamic allocation or preallocation is required respectively.

Destination: Console

Module: DFHFCDO

XMEOUT Parameters: *applid, dddd, filename, poolname*

DFHFC7019 *applid* **OPEN of coupling facility data table** *dddd* **for file** *filename***, pool** *poolname***, has failed because the table requires loading but the supplied data set is not KSDS.**

Explanation: The OPEN of file *filename* has failed because it requires the associated coupling facility data table *dddd*, which resides in coupling facility data table pool *poolname*, to have been pre-loaded, but the table has not yet been loaded. Automatic loading of the data table could not be initiated because the source data set specified for this file, either in the file definition or in the CICS startup JCL, is not a KSDS. Coupling facility data tables can only be loaded from VSAM KSDS data sets.

System Action: The file cannot be opened.

User Response: Investigate whether the reason for this error is that the file should not have been defined as requiring loading, or that the data set name specified is incorrect, or that no data set name should have been specified (because the data table should be pre-loaded via some other file definition before this file is opened). Correct the file definition, re-install and retry the open.

Destination: Console

Module: DFHFCDO

XMEOUT Parameters: *applid, dddd, filename, poolname*

DFHFC7032 *applid* **CLOSE of coupling facility data table** *dddd* **for file** *filename***, pool** *poolname***, has failed because the table has been destroyed.**

Explanation: The table is no longer valid in the pool. The most likely reason is that a delete request overlapped with the current request.

System Action: The close fails.

User Response: Investigate whether the table was deleted. This is not an error if the table is no longer required. If the table is still required, it should be recreated by opening it again.

Destination: Console

Module: DFHFCDO

XMEOUT Parameters: *applid, dddd, filename, poolname*

DFHFC7051 *applid* **A request to inquire on which attributes of coupling facility data table** *dddd***, file** *filename***, pool** *poolname***, are incompatible has failed because the table could not be found.**

Explanation: Inquire for coupling facility data table *dddd* has failed because during the request it was found that the table could not be found. CICS File Control issued the inquire as the result of an open failure due to incompatible table attributes. The inquire was intended to provide which attributes were in error so that they could be given as part of the open failure diagnostics.

System Action: The table open has failed due to incompatible attributes and the processing to provide more information on which attributes are incorrect has detected that the table can now not be found.

User Response: Investigate why the table cannot be found.

Destination: Console

Module: DFHFCDO

XMEOUT Parameters: *applid, dddd, filename, poolname*

DFHFC7071 *applid* **The request to set shared access for coupling facility data table** *dddd***, file** *filename***, pool** *poolname***, at the end of a successful table load, has failed because access is not allowed.**

Explanation: At the end of a coupling facility data table load, the source data set is closed and CICS File Control requests the server to change the table access from the exclusive access that was required for loading, to shared access. The server has returned that the table is not available for access. The security check for the table has failed.

A RACF message containing a return code indicating the reason for failure will have been issued prior to this mesage.

System Action: Although the table successfully opened and loaded, the load is not considered complete because the request to the server to set the access to shared has not occurred. The table is closed again ready for the next open attempt which will reattempt the load. The close will still get the security error, but the CICS side of close will complete.

User Response: Investigate why the table is not available for access. Set the required table access, if possible, using RACF.

Destination: Console

Module: DFHFCDO

XMEOUT Parameters: *applid, dddd, filename, poolname*

DFHFC7072 *applid* **The request to set shared access for coupling facility data table** *dddd*, **file** *filename*, **pool** *poolname*, **at the end of a successful table load, has failed because the table cannot be found.**

Explanation: At the end of a coupling facility data table load the source data set is closed, and CICS File Control requests the server to change the table access from the exclusive access that was required for loading to shared access. The server has returned that the table cannot be found.

System Action: Although the table was successfully opened and loaded, the load is not considered complete because the request to the server to set the access to shared has not occurred. The table is closed again ready for the next open attempt which will retry the load. The close will still get the error, but the CICS side of close will complete.

User Response: Investigate why the table cannot be found. If it is still required open it again so that it will be recreated and reloaded.

Destination: Console

Module: DFHFCDO

XMEOUT Parameters: *applid, dddd, filename, poolname*

DFHFC7073 *applid* **The request to set shared access for coupling facility data table** *dddd*, **file** *filename*, **pool** *poolname*, **at the end of a successful table load, has failed because of a shared access conflict.**

Explanation: At the end of a coupling facility data table load the source data set is closed, and CICS File Control requests the server to change the table access from the exclusive access that was required for loading to shared access. The server has returned that it cannot process the request because of a shared access conflict.

System Action: Although the table successfully opened and loaded, the load is not considered complete because the request to the server to set the access to shared has not occurred. The table is closed again ready for the next open attempt which will retry the load. The close will still get the error, but the CICS side of close will complete.

User Response: Investigate the access mode of other table, and what other files are open against it, to determine if there is an error. The coupling facility data table server supports commands, such as DISPLAY TABLE, which will provide you with this information.

Destination: Console

Module: DFHFCDO

XMEOUT Parameters: *applid, dddd, filename, poolname*

DFHFC7079 *applid* **The request to set shared access for coupling facility data table** *dddd*, **file** *filename*, **pool** *poolname*, **at the end of a successful table load, has failed because the table has been destroyed.**

Explanation: At the end of a coupling facility data table load the source data set is closed, and CICS File Control requests the server to change the table access from the exclusive access that was required for loading to shared access. The server has returned that the request has failed because the table has been destroyed.

System Action: All requests to use the table will return the same error.

User Response: Investigate why the table has been destroyed. If it is still required open it again so that it will be recreated and reloaded.

Destination: Console

Module: DFHFCDO

XMEOUT Parameters: *applid, dddd, filename, poolname*

DFHFC7081 *applid* **OPEN of coupling facility data table** *dddd* **for file** *filename*, **pool** *poolname*, **has failed because the key length or record length parameter on the file definition is inconsistent with the equivalent for the source data set.**

Explanation: The OPEN of coupling facility data table *dddd* has failed because before the call to the server to perform the actual open, CICS has found that the record length and/or keylength specified by the user on the file definition does not match that returned by VSAM when the associated source data set was opened.

System Action: The table cannot be opened.

User Response: Check whether the file definition is in error or whether the wrong data set has been specified. It is not necessary to specify the parameters on the file definition if there is a source data set. Clear the parameters or make them the same as the source.

Destination: Console

Module: DFHFCDO

XMEOUT Parameters: *applid, dddd, filename, poolname*

DFHFC7082 *applid* **OPEN of coupling facility data table** *dddd* **for file** *filename*, **pool** *poolname*, **has failed because the key length or record length parameter for the source data set is inconsistent with the value already set for the table.**

Explanation: The OPEN of coupling facility data table *dddd* has failed because the values for record length and/or key length returned for the table on the open do not match those for the source data set specified in the file definition.

System Action: The table cannot be opened.

User Response: Check whether the wrong data set has been specified in the file definition. If the table is opened and loaded by another user, it is not necessary for this user to specify a source data set in the definition.

Destination: Console

Module: DFHFCDO

XMEOUT Parameters: *applid, dddd, filename, poolname*

DFHFC7083 *applid* **OPEN of coupling facility data table** *dddd* **for file** *filename*, **pool** *poolname*, **has failed because the key length or record length parameter specified on the file definition is inconsistent with that already set for the table.**

Explanation: The OPEN of coupling facility data table *dddd* has failed because the values for record length and/or key length returned for the table on the open do not match those specified in the file definition for the table.

System Action: The table is closed again.

User Response: Check whether the wrong data set has been specified in the file definition. If the table is opened and loaded by another user, it is not necessary for this user to specify record length and key length on the file definition. Attention is drawn to the mismatch rather than ignoring it in case there is an error.

Destination: Console

Module: DFHFCDO

XMEOUT Parameters: *applid, dddd, filename, poolname*

DFHFC7084 *applid* **OPEN of coupling facility data table** *dddd* **for file** *filename***, pool** *poolname***, has failed because the table cannot be found.**

Explanation: When a coupling facility data table server fails, all the files which were accessing tables in that pool are marked as requiring a re-open after connection to a new server instance. This is required so that a valid table token is obtained for the new instance. The re-open for coupling facility data table *dddd* for file *filename*, pool *poolname*, has failed because the table has gone away (possibly due to a failure of the coupling facility) since it was last opened for this file.

System Action: The table cannot be opened. CICS closes and enables the file so that a full open can be tried later. The full open will recreate the table (unless the file definition specifies that the table must already have been recreated, in which case another file definition which specifies it is capable of recreating and loading the table must be opened first).

User Response: Retry when the table is available.

Destination: Console

Module: DFHFCDO

XMEOUT Parameters: *applid, dddd, filename, poolname*

DFHFC7085 *applid* **On a request to process** *{OPEN | CLOSE | EXTRACT STATISTICS}* **for coupling facility data table** *dddd* **for file** *filename***, it has been found that the server for coupling facility data table pool** *poolname***, is down. The server should be restarted.**

Explanation: CICS has issued a request to a file which is defined to use a coupling facility data table which resides in the pool *poolname*. CICS did not currently have a connection established to the pool, so an attempt to connect to the pool has to be made. Before the connect, a query is issued to check whether the server for the pool is available. The query has failed because the server is currently down.

A coupling facility data table server is a separate address space which handles all requests made to coupling facility data tables that reside in the pool which it serves.

System Action: If the request is an open, CICS fails the request to the coupling facility data table.

If the request is a close, CICS can complete close processing as normal.

If the request is to extract statistics, issued while gathering file control statistics, the request to obtain the statistics will fail. If the request is to extract statistics, issued as part of INQUIRE FILE processing in order to return the current MAXNUMRECS limit, then the INQUIRE FILE request can complete as normal, but the MAXNUMRECS value returned may differ from the current actual value.

New requests to coupling facility data tables which reside in this pool will check whether the server is available, and will attempt another connect if it is.

User Response: Determine the reason for the failure. Diagnostic messages issued by the coupling facility data table server address space should assist you in doing this. The most likely cause of this error is a problem with the coupling facility. The coupling facility data table server does not automatically restart itself, so after you have corrected the cause of the error, you should resubmit the job which starts the server.

Destination: Console

Module: DFHFCDO

XMEOUT Parameters: *applid, {1=OPEN, 2=CLOSE, 3=EXTRACT STATISTICS}, dddd, filename, poolname*

DFHFC7086 *applid* **OPEN of coupling facility data table** *dddd* **for file** *filename***, pool** *poolname***, has failed because the** *{keylength | recordsize}* **of the source data set is greater than the supported maximum.**

Explanation: The OPEN of file *filename*, associated with coupling facility data table *dddd* in coupling facility data table pool *poolname*, has failed because the key length and/or record size of the source data set specified for the file is greater than the value supported.

For a coupling facility data table, the key length must be less than or equal to 16 bytes, and the record size must be less than or equal to 32767 bytes.

The message indicates whether it was the key length or the record size which was found to be too large.

System Action: The file is left closed.

User Response: Check whether the wrong data set has been specified for this file (either in the file definition or in the CICS start-up JCL), and whether this data table really requires pre-loading from a source data set.

If the correct data set was specified, then this file may not be suitable for use as a coupling facility data table. If this was because the key length was beyond the range supported for coupling facility data tables, then consider redefining the file as a user-maintained data table or as an RLS file.

If the data table does not need to be pre-loaded, then specify LOAD(NO) on the file definition, and a key length and record size which are in the supported ranges.

Destination: Console

Module: DFHFCDO

XMEOUT Parameters: *applid, dddd, filename, poolname, {1=keylength, 2=recordsize}*

DFHFC7090 *date time applid* **CICS coupling facility data table load has started for data table** *dddd***, file** *filename***, pool** *poolname***.**

Explanation: CICS file control has detected that an open request has been issued for coupling facility data table data table *dddd*, and a task has been attached to load the data table.

System Action: CICS processing continues.

User Response: None.

Destination: CSFL

Module: DFHFCDL

XMEOUT Parameters: *date, time, applid, dddd, filename, poolname*

DFHFC7091 *date time applid* **CICS coupling facility data table load has successfully processed all records in the source data set for table** *dddd***, file** *filename***, pool** *pool***.**

Explanation: The task which was attached to load coupling facility data table *dddd* has successfully processed all of the records in the associated source data set. The load, however, is not complete until user exit XDTLC has been called, and the table has been marked as loaded, with its access changed from EXCLUSIVE to SHARED.

System Action: The user exit XDTLC is invoked, if enabled, with the parameter UEPDTORC set to indicate a successful load. The coupling facility data table server is called to mark the table as loaded and to set the access to shared. Another message (DFHFC7095) will be issued indicating that these have completed and that the load is complete. CICS processing continues.

User Response: None.

Destination: CSFL

Module: DFHFCDL

XMEOUT Parameters: *date, time, applid, dddd, filename, pool*

DFHFC7092 *date time applid* **CICS data table load has terminated abnormally for coupling facility data table** *dddd***, file** *filename***, pool** *poolname***, because the table has been closed.**

Explanation: The CICS task that is loading coupling facility data table *dddd* has found that CICS file control has requested that the load be abandoned because the file has been closed.

System Action: The load transaction terminates. CICS processing continues. Any records already loaded will remain in the table. The next open will start the load transaction again which will continue the load.

User Response: Investigate why the file has been closed.

Destination: Console and Transient Data Queue CSFL

Module: DFHFCDL

XMEOUT Parameters: *date, time, applid, dddd, filename, poolname*

DFHFC7093 *date time applid* **CICS data table load has terminated abnormally for coupling facility data table** *dddd***, file** *filename***, pool** *poolname***, reason code =** *X'xx'***.**

Explanation: The CICS task that is loading coupling facility data table *dddd* has received a reason code X'*xx*', where X'*xx*' has one of the following values:

X'02'	ILLOGIC - A VSAM error which does not fall into one of the other categories.
X'0C'	NOTOPEN - The file is CLOSED and UNENABLED, or still open and in use, but a CLOSE request has been received.
X'0D'	DISABLED - The file is DISABLED.
X'0F'	ENDFILE - The file is CLOSED and UNENABLED, or still open and in use, but a CLOSE request has been received.
X'80'	IOERR - I/O error.
X'84'	TABLE_FULL - Maximum records exceeded.
X'85'	RLS_DISABLED - RLS access currently not available.
X'86'	RLS_FAILURE - The RLS server has failed.
X'87'	PREVIOUS_RLS_FAILURE - The RLS server has been recycled in this unit of work.
X'88'	CACHE_FAILURE - Cache connectivity failure.
X'89'	CFDT_POOL_FULL - No more space available in the coupling facility structure for the table pool.
X'8A'	DATASET_BEING_COPIED - DSS is performing a sharp copy

System Action: The user exit XDTLC is invoked, if enabled, with the parameter UEPDTORC set to indicate that loading completed abnormally. The user exit may ask for the file to be closed. No more records are loaded into the coupling facility data table.

If the user exit did not request the file to be closed (or if no user exit program was enabled at the XDTLC exit point), then API requests to access records within the range of keys which has already been loaded into the data table will succeed, but requests to access any record beyond the loaded range will receive the "LOADING" condition.

If the file has been closed, then API requests will receive a "NOTOPEN" condition.

CICS processing continues.

User Response: Investigate the reason for the return code from CICS file control. For further information about the reason code, see the description of exception conditions for the STARTBR, READNEXT and WRITE commands in the &dfhp4001..

You may be able to correct the cause of the failure, for example by explicitly enabling the file if the reason is DISABLED, or re-cycling the RLS server if it has failed. If the error is TABLE_FULL, meaning that the number of records to be loaded into the table exceeds the MAXNUMRECS parameter, then you can increase this parameter using the coupling facility data tables server command SET TABLE=tablename,MAXRECS=n. (Note that although altering the MAXNUMRECS parameter on the file definition within CICS, using SET FILE for example, will not have any effect on the current setting for the data table, you should consider resetting it to the new value in order to avoid getting a warning message about the mismatch.) If the error is CFDT_POOL_FULL, then you can increase the size of the coupling facility data table pool that this data table resides in.

If it is possible to correct the problem which caused the load to fail, then you can complete the load of the coupling facility data table by closing the file which attempted the load (if it has not already been closed) and re-opening it, or any other file which is capable of loading the table; that is, which has access to the source data set. This will cause the load to be restarted from the point at which it failed.

Destination: Console and Transient Data Queue CSFL

Module: DFHFCDL

XMEOUT Parameters: *date, time, applid, dddd, filename, poolname, X'xx'*

DFHFC7094 *date time applid* **CICS data table load has terminated abnormally for coupling facility data table** *dddd***, file** *filename***, pool** *poolname***, reason code =** *X'xx'***.**

Explanation: The request to close the source data set at the end of load of coupling facility data table *dddd* has failed. The most likely cause of the failure is an error on the SET call to the coupling facility data table server to mark the table as loaded and to set the table access as shared, either because the server was down at the time of the SET or because of an error returned by file control during processing.

System Action:

The table and source are closed, leaving the table in a state such that a subsequent open may be able to complete the load.

CICS processing continues.

User Response: Determine the cause of the failure using the diagnostic information provided by file control.

Destination: Console and Transient Data Queue CSFL

Module: DFHFCDL

XMEOUT Parameters: *date, time, applid, dddd, filename, poolname, X'xx'*

DFHFC7095 *date time applid* **CICS coupling facility data table load has completed successfully for data table** *dddd*, **file** *filename*, **pool** *pool*.

Explanation: The task that was attached to load coupling facility data table *dddd* has successfully completed loading.

System Action: The user exit XDTLC has been invoked and has accepted the load. The table has been marked as loaded and the table access has been set to SHARED. CICS processing continues.

User Response: None.

Destination: CSFL

Module: DFHFCDL

XMEOUT Parameters: *date, time, applid, dddd, filename, pool*

DFHFC7100 *date time applid* **CICS data table load has terminated abnormally for coupling facility data table** *name*, **file** *filename*, **pool** *poolname*, **a call to FCFR to BROWSE the source data set has failed for reason code =** *n*.

Explanation: The CICS task which is loading coupling facility data table *dddd* has failed while calling file control to browse the source data set. The value of the reason code *n* indicates the type of failure as follows:

1. Response from FCFR was INVALID.
2. Response from FCFR was DISASTER.
3. Response from FCFR was PURGED.
4. FCFR failed for some unexpected reason.

System Action: The user exit XDTLC is invoked, if enabled, with the parameter UEPDTORC set to indicate that loading completed abnormally. The user exit may ask for the file to be closed. No more records are loaded into the coupling facility data table, and CICS terminates the loading transaction with abend code ACFA.

If the user exit did not request that the file be closed (or if no user exit program was enabled at the XDTLC exit point), then API requests to access records within the range of keys which has already been loaded into the data table will succeed, but requests to access any record beyond the loaded range will receive the “LOADING” condition.

If the file has been closed, then API requests will receive a “NOTOPEN” condition.

CICS processing continues.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Determine the cause of the failure of the domain call using the diagnostic information provided by file control.

If it is possible to correct the problem which caused the browse to fail, then you can complete the load of the coupling facility data table by closing the file which attempted the load (if it has not already been closed) and re-opening it, or any other file which is capable of loading the table; that is, which has access to the source data set. This will cause the load to be restarted from the point at which it failed.

Destination: Console and Transient Data Queue CSFL

Module: DFHFCDL

XMEOUT Parameters: *date, time, applid, name, filename, poolname, n*

DFHFC7101 *date time applid* **CICS data table load has failed to close coupling facility data table** *dddd*, **file** *filename*, **pool** *poolname*, **a call to FCFS has failed for reason code =** *n*.

Explanation: The CICS task that is loading coupling facility data table *dddd* has failed while trying to close the file at the request of an exit program invoked at exit point XDTLC. The value of reason code *n* indicates the type of failure as follows:

1. Response from FCFS was INVALID.
2. Response from FCFS was DISASTER.
3. Response from FCFS was PURGED.
4. FCFS failed for some unexpected reason.

System Action: CICS terminates the loading transaction with abend code ACFA.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: It is unlikely that the user exit invoked at the XDTLC exit point would request that the file should be closed unless a previous problem had occurred with the load. Determine the cause of any such previous problem by checking for earlier messages which may have been issued referring to data table *dddd*. Diagnostic information provided by file control may be used to investigate the failure of the close file call.

CICS processing continues.

Report the details of the symptom string given in message DFHME0116.

Destination: Console and Transient Data Queue CSFL

Module: DFHFCDL

XMEOUT Parameters: *date, time, applid, dddd, filename, poolname, n*

DFHFC7103 *date time applid* **CICS data table load has terminated abnormally for coupling facility data table** *dddd*, **file** *filename*, **pool** *poolname*.

Explanation: The special CICS transaction that was loading coupling facility data table *dddd* has detected an abnormal termination.

System Action: Depending on the cause of this abnormal termination, CICS may produce either a system dump or a transaction dump.

The user exit XDTLC is invoked, if enabled, with the parameter UEPDTORC set to indicate that loading completed abnormally. The user exit may ask for the file to be closed. No more records are loaded into the coupling facility data table, and CICS terminates the loading transaction with abend code ACFA.

If the user exit did not request that the file be closed (or if no user exit program was enabled at the XDTLC exit point), then API requests to access records within the range of keys which has already been loaded into the data table will succeed, but requests to access any record beyond the loaded range will receive the “LOADING” condition.

If the file has been closed, then API requests will receive a “NOTOPEN” condition.

CICS processing continues.

User Response: Look at the system log for related CICS messages to determine the original abend detected by the loading transaction. Refer to the description of abend code ACFA for further information about the cause of the original termination.

For more information on how to determine system problems, refer to the *CICS Problem Determination Guide*.

If it is possible to correct the problem which caused the load to abend, then you can complete the load of the coupling facility data table by closing the file which attempted the load (if it has not already been closed) and re-opening it, or any other file which is capable of loading the table; that is, which has access to the source data set. This will cause the load to be restarted from the point at which it failed.

Destination: Console and Transient Data Queue CSFL

Module: DFHFCDL

XMEOUT Parameters: *date, time, applid, dddd, filename, poolname*

DFHFC7104 *date time applid* **CICS data table load has terminated abnormally for coupling facility data table** *dddd***, file** *filename***, pool** *poolname***, a call to FCFR to WRITE a record has failed for reason code =** *n***.**

Explanation: The CICS task that is loading coupling facility data table *dddd* has failed while calling file control to write to the data table. The value of the reason code *n* indicates the type of failure as follows:

1. Response from FCFR was INVALID.
2. Response from FCFR was DISASTER.
3. Response from FCFR was PURGED.
4. FCFR failed for some unexpected reason.

System Action: The user exit XDTLC is invoked, if enabled, with the parameter UEPDTORC set to indicate that loading completed abnormally. The user exit may ask for the file to be closed. No more records are loaded into the coupling facility data table, and CICS terminates the loading transaction with abend code ACFA.

If the user exit did not request that the file be closed (or if no user exit program was enabled at the XDTLC exit point), then API requests to access records within the range of keys which has already been loaded into the data table will succeed, but requests to access any record beyond the loaded range will receive the “LOADING” condition.

If the file has been closed, then API requests will receive a “NOTOPEN” condition.

CICS processing continues.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Determine the cause of the failure of the domain call using the diagnostic information provided by file control.

If it is possible to correct the problem which caused the write to fail, then you can complete the load of the coupling facility data table by closing the file which attempted the load (if it has not already been closed) and re-opening it, or any other file which is capable of loading the table; that is, which has access to the source data set. This will cause the load to be restarted from the point at which it failed.

Destination: Console and Transient Data Queue CSFL

Module: DFHFCDL

XMEOUT Parameters: *date, time, applid, dddd, filename, poolname, n*

DFHFC7110 *applid* **An attempt to connect to coupling facility data table pool** *poolname***, issued by module** *modulename***, has failed.**

Explanation: CICS has issued a request to a file which is defined to use a coupling facility data table which resides in the pool *poolname*. CICS did not currently have a connection established to the pool, so an attempt to connect to the pool has been made. This attempt has failed. The connect attempt was issued from module *modulename*.

A coupling facility data table server is a separate address space that handles all requests made to coupling facility data tables which reside in the pool which it serves. CICS must have a connection to the server before it can open and access coupling facility data tables in the pool.

System Action: CICS fails the request to the coupling facility data table.

New requests to coupling facility data tables which reside in this pool will check whether the server is available and will attempt another connect if it is.

User Response: Determine the reason for the failure to connect. Diagnostic messages issued by the coupling facility data table server address space should assist you in doing this. The most likely cause of this error is a problem with the coupling facility. The coupling facility data table server does not automatically restart itself, so after you have corrected the cause of the error, you should resubmit the job which starts the server.

Destination: Console

Modules: DFHFCDR, DFHFCDO, DFHFCDU

XMEOUT Parameters: *applid, poolname, modulename*

DFHFC7111 *applid* **An attempt to disconnect from the coupling facility data table server for pool** *poolname* **for connection token** *X'connecttoken'***, issued by module** *modulename,* **has failed.**

Explanation: CICS has detected that an instance of the coupling facility data table server for pool *poolname* has failed. CICS has therefore attempted to disconnect from this pool server, but this attempt has failed. The disconnect has been issued by module *modulename*, and *connecttoken* is the token which was associated with the connection to this pool server.

A coupling facility data table server is a separate address space that handles all requests made to coupling facility data tables which reside in the pool which it serves.

System Action: CICS continues. As soon as a new instance of the pool server is available (which it might already be) then CICS can re-establish a connection to the server and continue to process coupling facility data table requests.

In many cases, CICS will later be able to disconnect from the server automatically. If not, the only effect of this failure is that some storage allocated by the server to the connection will not be freed until CICS terminates, at which time a disconnect message will be issued by the pool server for each instance from which CICS failed to disconnect.

User Response: Determine the reason for the failure to disconnect. Diagnostic messages issued by the coupling facility data table server address space should assist you in doing this.

Destination: Console

Modules: DFHFCDR, DFHFCDO, DFHFCDU

XMEOUT Parameters: *applid, poolname, X'connecttoken', modulename,*

DFHFC7112 *applid* **Resynchronization of coupling facility data table pool** *poolname* **issued from module** *modulename* **has failed.**

Explanation: CICS has issued a request to a file which is defined to use a coupling facility data table which resides in the pool *poolname*. CICS did not currently have a connection established to the server for this pool, so an attempt to connect to and resynchronize the pool server has been made, but the resynchronization has failed. The attempt to resynchronize was issued from module *modulename*.

A coupling facility data table server is a separate address space that handles all requests made to coupling facility data tables which reside in the pool which it serves. When CICS re-establishes its connection to a coupling facility data table pool server, it must perform resynchronization in order to complete recovery processing for any unresolved units of work which had made recoverable updates to coupling facility data tables residing in the pool.

System Action: CICS fails the request to the coupling facility data table.

Other requests to coupling facility data tables which reside in this pool will succeed if they do not require the pool to have been resynchronized, or might attempt another resynchronization if they do.

User Response: Determine the reason for the failure to resynchronize. Diagnostic messages issued by CICS components involved in the resynchronization and by the coupling facility data table server address space should assist you in doing this.

Depending on the stage during resynchronization at which the failure occurred, any subsequent request to a recoverable file which uses a coupling facility data table in the pool might trigger an attempt to retry the resynchronization. If such requests do not trigger a retry, then you should recycle the server region for this pool (by stopping or cancelling the server region using a server command, and then restarting it).

Destination: Console

Modules: DFHFCDR, DFHFCDO, DFHFCDU

XMEOUT Parameters: *applid, poolname, modulename*

DFHFC7113 *applid* **An attempt to retry resynchronization of coupling facility data table pool** *poolname* **issued from module** *modulename* **has failed.**

Explanation: CICS has issued a request to the coupling facility data table server for pool *poolname*. This request requires the pool to have been resynchronized.

Although CICS currently has a connection established to the pool server, an earlier attempt to resynchronize the pool failed, so the resynchronization has been retried. This retry has also failed. The attempt to retry resynchronization of the pool was issued from module *modulename*.

A coupling facility data table server is a separate address space that handles all requests made to coupling facility data tables which reside in the pool which it serves. When CICS has re-established its connection to a coupling facility data table pool server, it must perform resynchronization in order to perform recovery processing for any unresolved units of work which had made recoverable updates to coupling facility data tables residing in the pool.

Certain requests require the coupling facility data table pool to have been resynchronized before they can succeed. Such requests include:

- Open requests for files which are defined to use recoverable coupling facility data tables (open requests against non-recoverable coupling facility data tables do not require the pool to have been resynchronized).
- Syncpoint requests for units of work which have made recoverable updates to coupling facility data tables such as commit or backout requests.

These requests do not require all the units of work to have been resolved, but they do require CICS to have successfully restarted its recoverable connection to the pool server.

System Action: CICS fails the request to the coupling facility data table pool.

Other requests to this pool server will succeed if they do not require the pool to have been resynchronized, or will attempt another resynchronization if they do.

User Response: Determine the reason for the failure to resynchronize. Diagnostic messages issued by CICS components involved in the resynchronization and by the coupling facility data table server address space should assist you in doing this.

Destination: Console

Modules: DFHFCDO, DFHFCDU

XMEOUT Parameters: *applid, poolname, modulename*

DFHFC7114 *applid* **Force purge of transaction** *trannum* **which made recoverable updates to coupling facility data table pool** *poolname* **has failed.**

Explanation: An attempt to force purge transaction *trannum* has failed. The system attempted to force purge the transaction because it had made recoverable updates to one or more coupling facility data tables residing in the coupling facility data table pool *poolname*, and the server for that coupling facility data table pool is undergoing resynchronization. The fact that this resynchronization is taking place is an indication that a failure has occurred which will have resulted in all recoverable updates made to the coupling facility data table pool *poolname*, which have not yet been committed, having been backed out. This transaction had therefore made updates which have since been backed out, so the transaction needs to be abended, in order to ensure that any updates which it made to other recoverable resources will also be backed out. However, it has not been possible to purge this transaction.

The effect of the failure to purge this transaction is that updates made to other recoverable resources may be committed, with the result that the overall unit of work will not be commit-consistent. It is also possible that the transaction will try to make subsequent updates to the coupling facility data table pool which will cause it to be abnormally terminated.

System Action: Resynchronization of the coupling facility data table server pool continues.

User Response:

If the transaction is still active, then attempt to force purge the transaction using the CEMT master terminal command. However, as this should be a rare situation, consider performing an immediate shutdown of CICS followed by an emergency restart as an alternative solution. This causes all inflight transactions to be backed out.

Destination: Console

Module: DFHFCDY

XMEOUT Parameters: *applid, trannum, poolname*

DFHFC7115 *applid* **The coupling facility data table server for pool** *poolname* **has failed and restarted. One or more in-flight transactions which had made recoverable updates to coupling facility data tables residing in the pool will be abended.**

Explanation: The coupling facility data table server for data table pool *poolname* is undergoing resynchronization. The fact that this resynchronization is taking place is an indication that a failure has occurred which will mean that any recoverable updates made to the coupling facility data table pool *poolname* that had not yet been committed will have been backed out. Any in-flight transaction which had made recoverable updates to one or more coupling facility data tables residing in data table pool *poolname* therefore needs to be abended, in order to ensure that any updates which it made to other recoverable resources will also be backed out.

This message is issued to inform you that one or more such in-flight transactions has been found, and that CICS will attempt to abend the transactions and cause them to back out by force purging them. You should therefore expect that one or more transactions will be abnormally terminated with an ATCH transaction abend code (or possibly, in some instances, with an AKC3 abend code).

System Action: Resynchronization of the coupling facility data table server pool will complete, and one or more in-flight transactions will be abnormally terminated.

User Response: None.

This message is purely informational, to indicate that transactions will be abended in order to preserve data integrity.

Destination: Console

Module: DFHFCDY

XMEOUT Parameters: *applid, poolname*

DFHFC7120 *applid* **The coupling facility data table pool** *poolname* **has an unresolved unit of work** *X'UOWid'* **for this CICS region of which CICS has no knowledge.**

Explanation: CICS is resynchronizing the coupling facility data table server for pool *poolname*.

A coupling facility data table server is a separate address space that handles all requests made to coupling facility data tables which reside in the pool that it serves. When CICS has established its connection to a coupling facility data table pool server, it must perform resynchronization in order to perform recovery processing for any unresolved units of work which had made recoverable updates to coupling facility data tables residing in the pool. The resynchronization involves restarting the recoverable connection to the pool server, and completing any unresolved units of work known to the server for which the resolution is now known.

The server has an unresolved unit of work *UOWid*, but CICS has no knowledge of a link to the pool server for this unit of work. Knowledge of links will be lost when CICS performs an initial start, but in the case of unit of work *UOWid* there has not been a CICS initial start since the unit of work was created.

System Action: CICS resolves the unit of work by backing out the updates that it made to coupling facility data tables within the pool, and completes resynchronization of the pool.

User Response: Since CICS will have resolved the unit of work, you do not need to take any immediate action. This message is issued to provide diagnostic information which you may want to use to understand why CICS had no knowledge of the link.

Destination: Console

Module: DFHFCDY

XMEOUT Parameters: *applid, poolname, X'UOWid'*

DFHFC7121 *applid* **CICS coupling facility data table load has terminated abnormally. A call to DFHXMIQ to retrieve the parameters for the load transaction has failed with response code =** *n***.**

Explanation: The CICS task to load a coupling facility data table has failed while trying to inquire on the parameters passed to it during attach. The value of the reason code *n* indicates the type of failure as follows:

1. Response from XMIQ was INVALID.
2. Response from XMIQ was DISASTER.
3. Response from XMIQ was PURGED.
4. XMIQ failed for some unexpected reason.

System Action: The user exit XDTLC is not invoked as failure to retrieve the attach parameters means the filename is not known. CICS terminates the loading transaction with abend code ACFD. No records are loaded into the data table.

Requests to access the table result in a “loading” response code.

CICS processing continues.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Determine the cause of the failure of the domain call using the diagnostic information provided by file control.

The file should be closed so that a load may be attempted again when it is next opened.

Destination: Console

Module: DFHFCDL

XMEOUT Parameters: *applid, n*

DFHFC7130 *date time applid tranid trannum termid userid***. Unit of work** *X'uowid'* **running in region** *owner-applid* **in MVS system** *MVSid* **holds a lock on key** *X'keyid'* **in coupling facility data table** *tablename* **in pool** *CFDTpool***, which caused this request to wait.**

Explanation: This message is issued to aid problem determination when a transaction that has accessed, or attempted to access, a coupling facility data table is about to terminate abnormally with an AFCY abend code.

The message is issued when a request to a coupling facility data table times out waiting on a lock. A request that requires a lock on a coupling facility data table has been issued, but was forced to wait because the record was locked by another unit of work. The wait has been purged by one of the following actions:

- The timeout time for the transaction has been exceeded.
- CICS has purged transactions in an attempt to alleviate a short-on-storage (SOS) condition.
- The transaction has been purged by an operator request.

The name of the transaction that has failed is *tranid* and it is running under task number *trannum*, at terminal *termid*, for user *userid*.

The message inserts identify the owner of the lock that caused this transaction to timeout:

- *uowid* is the local UOW id of the unit of work running in the region that owns the lock.
- *owner-applid* is the applid of the region that owns the lock.

- *MVSid* is the name of the MVS system in which the region that owns the lock is running.
- *keyid* identifies the key that is locked. As it is not always possible to display keys in character form, the key is displayed in hexadecimal notation.
- *tablename* is the name of the coupling facility data table against which the lock is held.
- *CFDTpool* is the name of the coupling facility data table pool in which the CF data table *tablename* resides.

The locks held against coupling facility data tables are always exclusive locks, and can only have one holder. Therefore, this message uniquely identifies the owner of the required lock.

System Action: The transaction is abended with an AFCY abend code.

User Response: This message identifies the unit of work that is holding the required lock and the region in which it is running. Examine this unit of work to see why it is not releasing the lock; for example:

- The unit of work may be holding CF data table locks and waiting for terminal input.
- The unit of work may be trying to access both coupling facility data table resources and resources owned by another resource manager, creating an inter-resource manager deadlock.

Destination: CSFL

Module: DFHFCDR

XMEOUT Parameters: *date, time, applid, tranid, trannum, termid, userid, X'uowid', owner-applid, MVSid, X'keyid', tablename, CFDTpool*

DFHFExxxx messages

DFHFE3301 Transaction complete

Explanation: The field engineering program, DFHFEP, which was called by the field engineering transaction, CSFE, has completed.

System Action: Other processing continues.

User Response: None.

Destination: Terminal End User

Module: DFHFEP

DFHFE3302 Invalid debug request

Explanation: The field engineering program, DFHFEP, which was called by the field engineering transaction, CSFE, either found a syntax error in the debug request, or found that the installed transaction definition option was invalid.

System Action: The task ends.

User Response: Check for syntax errors or for an invalid installed transaction definition option. Correct the errors and reenter the request.

Destination: Terminal End User

Module: DFHFEP

DFHFE3303 Invalid trace option

Explanation: The field engineering program, DFHFEP, which was called by the field engineering transaction, CSFE, found a syntax error in the trace request (ZCQTRACE).

System Action: The task ends.

User Response: Check for syntax errors. Correct the errors and reenter the request.

Destination: Terminal End User

Module: DFHFEP

DFHFE3304 Enter PRINT for character set, END to terminate. All other data will be echoed.

Explanation: This message is sent to the terminal when the CSFE transaction is started. It asks the engineer what action is required from the field engineering program, DFHFEP.

System Action: The task waits for a response.

User Response: Enter PRINT to display the character set.

Enter END to terminate module DFHFEP.

All other data typed in is echoed to the screen.

Destination: Terminal End User

Module: DFHFEP

DFHFE3307 Invalid option specified in request

Explanation: The field engineering program, DFHFEP, which was called by the field engineering transaction, CSFE, found an error in one of the options specified in the request. Either the specified option could not be found (for example, an invalid transaction definition) or it was an invalid type. CSFE ends without completing the request.

System Action: The task ends.

User Response: Correct the error and reenter the request.

Destination: Terminal End User

Module: DFHFEP

DFHFE3308 Program DFHTRAP is not available - global trap not activated

Explanation: CICS could not find the global trap exit program, DFHTRAP, during execution of the CICS field engineering transaction request, CSFE DEBUG,TRAP=ON.

System Action: CICS continues with the global trap not activated.

User Response: Ensure that DFHTRAP is defined in the processing program table and made available in the program library.
You should use the global trap exit only in consultation with an IBM support representative.

Destination: Terminal End User

Module: DFHFEP

DFHFE3309 Global trap DFHTRAP is unusable following program check in exit

Explanation: While executing a field engineering (FE) transaction request to activate the global trap exit (CSFE DEBUG,TRAP=ON), the FE program, DFHFEP, has found that the global trap exit program, DFHTRAP, is already active but marked unusable. This is because, when the trap was last used, a program check occurred in DFHTRAP. This error is fully documented in message DFHTR1001.

System Action: CICS continues with the global trap still marked unusable.

User Response: Refer to DFHTR1001 for more information. To replace the currently active but unusable version of DFHTRAP by a new version from the CICS program library, issue the following commands in the sequence:

CSFE DEBUG,TRAP=OFF (to de-activate the current trap);
CEMT SET PROGRAM(DFHTRAP) NEWCOPY (to update the disk trap known to CICS);
CSFE DEBUG,TRAP=ON (to activate the new version of the trap).

You should use the global trap exit only in consultation with an IBM support representative.

Destination: Terminal End User

Module: DFHFEP

DFHFE3310 *applid* **Program DFHTRAP is not available - global trap not activated.**

Explanation: CICS could not find the global trap exit program, DFHTRAP, during execution of the CICS field engineering transaction request, CSFE DEBUG,TRAP=ON.

System Action: CICS continues with the global trap not activated.

User Response: Ensure that DFHTRAP is defined in the processing program table and made available in the program library.
You should use the global trap exit only in consultation with an IBM support representative.

Destination: Console

Module: DFHFEP

XMEOUT Parameter: *applid*

DFHICxxxx messages

DFHIC0002 *applid* **A severe error (code** *X'code'***) has occurred in module** *modname***.**

Explanation: An error has been detected in module *modname*. The code X'*code*' is the exception trace point ID which uniquely identifies what the error is and where it was detected.

System Action: An exception entry (code X'*code*' in the message) is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS continues unless you have specified in the dump table that CICS should terminate.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: This indicates a possible error in CICS code. The severity of its impact depends on the importance of the function being executed at the time of the error.

CICS may not have been terminated.

If the message occurs once and module *modname* is not crucial to the running of your CICS system, you may decide to continue to run and bring CICS down at a convenient time to resolve the problem.

If the message recurs or if you cannot run without the full use of module *modname*, you will need assistance. Bring CICS down in a controlled shutdown and collect the dumps and any relevant messages sent by the module identified in the message. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Module: DFHEIIC

XMEOUT Parameters: *applid, X'code', modname*

DFHIC0200 *date time applid* **Automatic transaction restart for transaction** *tranid* **has failed.**

Explanation: A STARTed nonterminal transaction is ending abnormally and automatic transaction restart was requested via the user replaceable module DFHREST. A severe error occurred when CICS attempted to restart the transaction.

System Action: Message DFHAP0002 with a dump is issued for the severe error that caused the restart to fail. Abnormal termination of the transaction for which restart was requested continues. The transaction is not automatically restarted.

User Response: Investigate the reason for the earlier severe error. See message DFHAP0002 for further guidance. Restart the transaction manually if necessary.

Destination: Console and Transient Data Queue CSMT

Module: DFHICXM

XMEOUT Parameters: *date, time, applid, tranid*

DFHIC0310 *date time applid* **Unable to attach transaction -** *tranid* **to terminal -** *termid*

Explanation: An attempt was made to start transaction *tranid* on terminal *termid* as a result of:

- a START command, or
- a DFHIC TYPE=PUT macro, or
- a DFHIC TYPE=INITIATE macro.

The attempt was rejected. The most likely cause is that, at the time the attempt was made, the terminal was unknown in the system.

This message is also issued when:

- A START command is issued in an application owning region (AOR) for a terminal that exists as a remote terminal entry in the AOR, but the destination system ID associated with the remote terminal has not been defined.
- A START command is issued against a pipeline device, or other device which is not eligible for ATI requests.

System Action: The request is deleted from the system.

User Response: Ensure that a valid terminal name is being specified. If the name is valid, examine the trace (if one is available) to determine why the attempt was rejected.

Destination: Console

Module: DFHICP

XMEOUT Parameters: *date, time, applid, tranid, termid*

DFHIC0360 *date time applid* **An attempt to establish security for userid** *userid* **has failed. Transaction** *tranid* **cannot be started without a terminal. SAF codes are (***X'safresp'***,***X'safreas'***). ESM codes are (***X'esmresp'***,***X'esmreas'***).**

Explanation: An attempt was made to establish security for userid *userid* but it was rejected by the external security manager (ESM).

A time ordered request, such as an EXEC CICS START command, required security to be established for the userid in order to start the transaction *tranid* without a terminal.

System Action: Security has not been established for the userid. The attempt to start the transaction has failed.

User Response: The response and reason codes (*safresp* and *safreas*) returned by the system authorization facility (SAF), and the response and reason codes (*esmresp* and *esmreas*) returned by the external security manager (ESM) are those issued by the RACROUTE REQUEST=VERIFY or RACROUTE REQUEST=EXTRACT macros. These return codes are described in the *OS/390 MVS Programming: Authorized Assembler Services Guide*, and in *External Security Interface (RACROUTE) Macro Reference for MVS and VM* (SC28-1366). See these manuals for an explanation of the codes.

There may be further messages produced by CICS or the external security manager (ESM) which provide more information.

Destination: CSCS

Module: DFHICXM

XMEOUT Parameters: *date, time, applid, userid, tranid, X'safresp', X'safreas', X'esmresp', X'esmreas'*

DFHIC0801 *applid* **CICS time altered from** *hh.mm.sss* **to** *hh.mm.sss* **- date** *ddddddd* **- relative day** *rrr*

Explanation: This console message is printed when the operating system-maintained time of day has been rolled back (for example, when the operating system clock is reset to zero at midnight). Where:

- *hh.mm.sss* is the time in hours minutes and tenths of a second
- *ddddddd* is the current date in the format specified by the DATFORM parameter in the system initialization table
- *rrr* is the day number relative to the day CICS was started.

System Action: CICS has recognized the condition and adjusted its own time of day to agree with that of the operating system.

User Response: None

Destination: Console

Module: DFHTAJP

XMEOUT Parameters: *applid, hh.mm.sss, hh.mm.sss, ddddddd, rrr*

DFHIC0802 *applid* **S/370 clock inoperative ... external action required**

Explanation: CICS execution is dependent on the continued operation of the processor time-of-day clock. This warning message is sent to the console operator during the execution of the time adjustment program if the system detects a processor clock failure at that time. Immediate corrective action (if possible) must be taken by the console operator, if the clock has been disabled for any reason.

System Action: CICS abnormally terminates itself after the condition is detected.

User Response: The ability to enable or disable the time-of-day clock is under the control of the console operator. If the clock is disabled, it must be enabled immediately.

Destination: Console

Module: DFHTAJP

XMEOUT Parameter: *applid*

DFHINxxxx (Indoubt testing tool) messages

DFHIN1001 *date time applid termid userid* **The indoubt tool is now active for DFHTCIND tranclass transactions.**

Explanation: The indoubt tool is active and causes all units of work (UOWs) running under transactions defined to be in transaction class DFHTCIND to fail indoubt when they reach syncpoint.

A unit of work that fails indoubt is either shunted by the recovery manager domain or is unilaterally committed or unilaterally backed out by recovery manager. A unit of work is shunted if the transaction definition under which it is running specifies WAIT(yes) as an indoubt option, and the unit of work has not accessed any resources that force a unilateral decision to be taken.

System Action: CICS processing continues with the indoubt tool active.

User Response: None.

Destination: CSMT and Terminal End User

Module: DFHINDT

XMEOUT Parameters: *date, time, applid, termid, userid*

DFHIN1002 *date time applid* **The indoubt tool is already active.**

Explanation: A CIND ON request was issued to activate the indoubt tool but CICS has detected that the indoubt tool is already active.

System Action: CICS processing continues with the indoubt tool active.

User Response: None.

Destination: Terminal End User

Module: DFHINDT

DFHIN1003 *date time applid* **The indoubt tool is active for DFHTCIND tranclass transactions.**

Explanation: A CIND INQUIRE request was issued to inquire on the status of the indoubt tool. CICS has detected that the indoubt tool is active.

System Action: CICS processing continues with the indoubt tool active.

User Response: None.

Destination: Terminal End User

Module: DFHINDT

DFHIN1004 *date time applid termid userid* **The indoubt tool is no longer active for DFHTCIND tranclass transactions.**

Explanation: A CIND OFF request was issued to deactivate the indoubt tool. No more units of work (UOWs) running under transactions defined in tranclass DFHTCIND will fail indoubt when they reach syncpoint.

Existing transactions in the DFHTCIND tranclass that are currently running fail indoubt at syncpoint, but no new transactions in the DFHTCIND tranclass will fail indoubt.

System Action: CICS processing continues with the indoubt tool inactive.

User Response: None.

Destination: CSMT and Terminal End User

Module: DFHINDT

XMEOUT Parameters: *date, time, applid, termid, userid*

DFHIN1005 *date time applid* **The indoubt tool is already inactive.**

Explanation: A CIND OFF request was issued to deactivate the indoubt tool but CICS has detected that the indoubt tool is already inactive.

System Action: CICS processing continues with the indoubt tool inactive.

User Response: None.

Destination: Terminal End User

Module: DFHINDT

DFHIN1006 *date time applid* **The indoubt tool is not active.**

Explanation: A CIND INQUIRE request was issued to inquire on the status of the indoubt tool. CICS has detected that the indoubt tool is inactive.

System Action: CICS processing continues with the indoubt tool inactive.

User Response: None.

Destination: Terminal End User

Module: DFHINDT

DFHIN1007 *date time applid termid userid* **Initiation of resynchronization for units of work awaiting coordinator DFHINDSP is now complete.**

Explanation: A CIND RESYNC COMMIT or CIND RESYNC BACKOUT request was issued. The indoubt tool has successfully initiated resynchronization of all units of work (UOWs) currently awaiting resynchronization with coordinator DFHINDSP.

System Action: Shunted UOWs awaiting the return of coordinator DFHINDSP are unshunted by the recovery manager (RM) domain. All participants in the UOW are notified of the outcome of the unit of work. The outcome of the unit of work is defined by the user of CIND, for example, CIND RESYNC COMMIT tells the RM domain to unshunt the UOWs and commit them. Likewise, CIND RESYNC BACKOUT tells the RM domain to backout the UOWs. Message DFHIN1012 is issued to transient data for each UOW resynchronized.

For UOWs awaiting the return of coordinator DFHINDSP which were not shunted, that is, they abended before syncpoint, or a unilateral decision was taken, a CIND RESYNC command merely results in message DFHIN1012 being issued to transient data. DFHIN1012 reports on whether this CICS system and DFHINDSP are synchronized.

User Response: See the associated transient data DFHIN1012 messages.

Destination: CSMT and Terminal End User

Module: DFHINDT

XMEOUT Parameters: *date, time, applid, termid, userid*

DFHIN1008 *date time applid* **Invalid CIND keyword. Specify one of the following: ON, OFF, INQUIRE, RESYNC COMMIT, or RESYNC BACKOUT.**

Explanation: The CIND transaction was invoked with an invalid keyword.

System Action: CICS processing continues and the status of the indoubt tool is unchanged.

User Response: Reinvoke the CIND transaction with the correct keyword.

Destination: Terminal End User

Module: DFHINDT

DFHIN1009 *date time applid* **The indoubt tool has added coordinator link DFHINDSP to UOW** *X'uowid'* **for transaction** *tranid* **task number** *taskno***.**

Explanation: The indoubt tool task related user exit DFHINTRU, invoked when a transaction is first started, has detected that the transaction is part of transaction class DFHTCIND. Coordinator DFHINDSP has been added to unit of work (UOW) so that the transaction will fail indoubt when a syncpoint is issued.

System Action: The named transaction and UOW continue processing until it reaches syncpoint when it will fail indoubt.

User Response: None.

Destination: CSMT

Module: DFHINTRU

XMEOUT Parameters: *date, time, applid, X'uowid', tranid, taskno*

DFHIN1010 *date time applid* **Coordinator DFHINDSP is not available. The indoubt tool has caused RM domain to shunt UOW** *X'uowid'* **for transaction** *tranid* **task number** *taskno***.**

Explanation: The named UOW for the named transaction and task has failed indoubt during a syncpoint request due to the indoubt tool.

System Action: The recovery manager domain shunts the UOW, and then abends the transaction.

User Response: To initiate an unshunt of the UOW, issue a CIND RESYNC command.

Destination: CSMT

Module: DFHINDSP

XMEOUT Parameters: *date, time, applid, X'uowid', tranid, taskno*

DFHIN1011 *date time applid* **Coordinator DFHINDSP is not available, but UOW** *X'uowid'* **for transaction** *tranid* **task number** *taskno* **is not indoubt and has not been shunted.**

Explanation: UOW X'*uowid*' for transaction *tranid* was not shunted, and is not indoubt despite being monitored by the indoubt tool. One of the following has occurred:

- The unit of work abended before syncpoint.

- The unit of work was rolled back.
- The unit of work failed indoubt at syncpoint time but the recovery manager domain was forced to take a unilateral decision instead of shunting the UOW.
- The unit of work failed indoubt at syncpoint time but the recovery manager domain detected that the unit of work was read-only, that is, no recoverable resources were updated, and therefore no shunting was required.

System Action: CICS processing continues.

User Response: If the unit of work was abended, rolled back, or a unilateral decision was taken, recovery manager keeps the resolution of the unit of work pending the return of the coordinator DFHINDSP.

To synchronize the outcome of the UOW with coordinator DFHINDSP, issue a CIND RESYNC command.

Destination: CSMT

Module: DFHINDSP

XMEOUT Parameters: *date, time, applid, X'uowid', tranid, taskno*

DFHIN1012 *date time applid* **The indoubt tool is resynchronizing UOW** *X'uowid'* **for transaction** *tranid* **task number** *taskno***. DFHINDSP coordinator UOW status is** *{commit. | backout.}* **Recovery manager UOW status is** *{commit. | backout. | heuristic commit. | heuristic backout.}*

Explanation: The unit of work X'*uowid*' for the named transaction and task has been resynchronized as a result of a CIND RESYNC command. The message reports the UOW status as defined by the coordinator DFHINDSP, and the unit of work status held by the recovery manager domain. The recovery manager domain also issues messages reporting whether or not the UOW is synchronized.

System Action: CICS processing continues.

User Response: None.

Destination: CSMT

Module: DFHINDT

XMEOUT Parameters: *date, time, applid, X'uowid', tranid, taskno, {1=commit., 2=backout.}, {1=commit., 2=backout., 3=heuristic commit., 4=heuristic backout.}*

DFHIN1013 *date time applid termid userid* **No units of work awaiting resynchronization with coordinator DFHINDSP were found.**

Explanation: A CIND RESYNC COMMIT or CIND RESYNC BACKOUT request was issued. The indoubt tool did not find any units of work (UOWs) that were awaiting resynchronization with coordinator DFHINDSP.

System Action: CICS processing continues.

User Response: Before initiating resynchronization, the indoubt tool needs to be activated via command CIND ON, and transactions in tranclass DFHTCIND run to create indoubt units of work.

Destination: CSMT and Terminal End User

Module: DFHINDT

XMEOUT Parameters: *date, time, applid, termid, userid*

DFHIN1014 *date time applid* **The indoubt tool will not operate on transaction** *tranid* **task number** *taskno* **as it is an internal CICS system transaction.**

Explanation: The indoubt tool task related user exit DFHINTRU, invoked when a transaction is first started, has detected that the transaction is part of transaction class DFHTCIND. However it has also detected that the transaction is an internal CICS system transaction. CIND cannot be used on internal CICS system transactions.

System Action: The named transaction and task continue processing and are not forced indoubt at syncpoint time.

User Response: None.

Destination: CSMT

Module: DFHINTRU

XMEOUT Parameters: *date, time, applid, tranid, taskno*

DFHIN1015 *date time applid* **The Indoubt tool has already previously resynchronized UOW** *X'uowid'* **for transaction** *tranid* **task number** *taskno***. DFHINDSP coordinator UOW status is** *{commit. | backout.}* **Recovery manager UOW status is** *{commit. | backout. | heuristic commit. | heuristic backout.}*

Explanation: The named unit of work (UOW) for the named transaction and task has already been resynchronized as a result of a previous CIND RESYNC command. The message documents the UOW status as defined by the coordinator DFHINDSP, and the unit of work status held by the recovery manager domain.

No messages are issued by the recovery manager domain in this case and no resynchronization takes place. Processing of a previous CIND RESYNC command did not complete fully before CICS failed. In particular, 'forget processing' whereby CICS removes DFHINDSP as a coordinator of the unit of work did not complete. This caused CICS to recover the unit of work on restart with DFHINDSP as coordinator, causing it to be processed by the subsequent CIND RESYNC command.

System Action: CICS continues processing.

User Response: None.

Destination: CSMT

Module: DFHINDT

XMEOUT Parameters: *date, time, applid, X'uowid', tranid, taskno, {1=commit., 2=backout.}, {1=commit., 2=backout., 3=heuristic commit., 4=heuristic backout.}*

DFHIRxxxx messages

DFHIR2122 *date time applid* **Intersystem session recovery. Database changes found to be synchronized. Original failure details: Time=***time***. Remote system=***sysid***. Intersystem terminal=***termid***. Transaction=***tranid***. Task number=***taskno***. Operator terminal=***termid***. Operator=***operid***. Unit of work ID=***uowid*

Explanation: An error occurred on an intersystem session recovery which has now been successfully recovered and resynchronized. This message is normally issued as a follow-up to message DFHRM0107, (which may have been issued at the time

of the failure if the session failed at a critical time during syncpoint processing).

System Action: Processing continues.

User Response: None.

Destination: CSMT

Module: DFHCRR

XMEOUT Parameters: *date, time, applid, time, sysid, termid, tranid, taskno, termid, operid, uowid*

DFHIR2123 *date time applid* **Intersystem session recovery. Data base changes found to be out of sync. Original failure details: Time=***time***. Remote system=***sysid***. Intersystem terminal=***termid***. Transaction=***tranid***. Task number=***taskno***. Operator terminal=***termid***. Operator=***operid***. Unit of work ID=***uowid*

Explanation: This message is issued as a follow-up to message DFHRM0107. The original failure information provides a cross-reference.

System Action: Processing continues.

User Response: Take user-defined action to resynchronize the local and remote databases.

Destination: CSMT

Module: DFHCRR

XMEOUT Parameters: *date, time, applid, time, sysid, termid, tranid, taskno, termid, operid, uowid*

DFHIR2124 *date time applid* **Intersystem session recovery. Error when data base changes may be out of sync. Original failure details: Time=***time***. Remote system=***sysid***. Intersystem terminal=***termid***. Transaction=***tranid***. Task number=***taskno***. Operator terminal=***termid***. Operator=***operid***. Unit of work ID=***uowid*

Explanation: This message is issued as a follow-up to message DFHRM0107. During session recovery, the system was unable to determine whether database changes were out of synchronization.

System Action: Processing continues.

User Response: Make the necessary database enquiries to detect whether changes are synchronized. If they are not, take user-defined action to resynchronize the databases.

Destination: CSMT

Module: DFHCRR

XMEOUT Parameters: *date, time, applid, time, sysid, termid, tranid, taskno, termid, operid, uowid*

DFHIR2321 *applid* **MRO/IRC Communication being Terminated. Session(s) with the following Netname(s) are still Active:**

Explanation: CICS is attempting to close MRO/IRC communication. This message is normally followed by the netname of each session that is still active, and additionally for EXCI sessions, the jobname, stepname, procname and MVS ID of the batch program communicating on that session.

For EXCI sessions, a netname of GENERIC indicates a generic pipe. For the batch job information to appear in the message, at least one DPL request must have been issued on that session.

Note: In some circumstances the message is not followed by any netnames. This can occur if CICS is using the cross-system coupling facility (XCF) to communicate across CECs, and CICS is unable to deliver an earlier message to XCF because, for example, the XCF buffer is full.

System Action: CICS issues IRC STOP IMMEDIATE to force close the remaining session(s). This message is reissued at 30 second intervals, or until the last session is closed.

User Response: None, unless the delay in closedown appears abnormally long. If this is the case, investigate why the session(s) are still active. Take appropriate action to allow the session(s) to close. If no netnames are displayed, investigate why XCF is unable to accept a message from CICS.

Destination: Console

Module: DFHZDSP

XMEOUT Parameter: *applid*

DFHIR3747 *applid* **CONNECTION** *connid* **with protocol(EXCI) has been connected to by a NON-BATCH system. Connection set out of service.**

Explanation: A CICS connection has been defined with the protocol EXCI and an attempt has been made to connect to it by a non-batch system.

There are two possible explanations for this message:

- The non-batch system is attempting to communicate with the wrong target connection definition.
- The target connection definition has incorrectly been defined as an EXCI connection.

System Action: CICS sets the connection out of service.

User Response: Investigate and correct the relevant connection definitions and set back in service.

Destination: Console

Module: DFHCRNP

XMEOUT Parameters: *applid, connid*

DFHIR3748 *date time applid* **Initial start of connected system** *sysid***, netname** *netname***, protocol** *pppp* **was detected.**

Explanation: A new logname was received during the MRO bind process from the connected system. This indicates that the connected system has restarted with a start type of INITIAL, since it last communicated with this CICS. If the message-issuing system has any resynchronization data relating to units of work from a previous usage of the connection, this data is kept but cannot be used by the system for automatic resynchronization.

System Action: New MRO work for the connection is not inhibited.

User Response: Examine the resynchronization information kept by the system from the previous usage of the connection using the

```
EXEC CICS INQUIRE UOWLINK RESYNCSTATUS
```

command (or the equivalent CEMT command) for the named connection in order to locate UOWLINKs with a RESYNCSTATUS of COLDSTART. You can use this information to resolve manually any indoubt units of work that existed on this system or the connected system. When the information is no longer of use, issue the

```
EXEC CICS SET CONNECTION PENDSTATUS(NOTPENDING)
```

command (or the CEMT equivalent) for the named connection to discard the resynchronization data relating to the previous usage.

Note that any new resynchronization data generated for the newly established connection is still kept.

Destination: Console and Transient Data Queue CSMT

Module: DFHCRR

XMEOUT Parameters: *date, time, applid, sysid, netname, pppp*

DFHIR3750 *applid* **Unable to stop interregion communication session during startup recovery.**

Explanation: A request has been received as the result of an abnormal termination to stop the interregion communication session during the startup recovery process. This request has failed.

System Action: The session remains active.

User Response: If the session must be stopped, you may have to re-IPL. (To diagnose the underlying problem, contact your IBM Support Center.)

Destination: Console

Module: DFHCRNP

XMEOUT Parameter: *applid*

DFHIR3751 *applid* **Unable to stop interregion communication session during shutdown.**

Explanation: A request has been received (by means of system termination, abnormal termination, or master terminal) to stop the interregion communication session during the shutdown process. This request has failed.

System Action: The session remains active.

User Response: If the session must be stopped, you may have to re-IPL. (To diagnose the underlying problem, contact your IBM Support Center.)

Destination: Console

Module: DFHSTP

XMEOUT Parameter: *applid*

DFHIR3760 *applid* **Unable to break lines with interregion communication. (Modname:** *modname***)**

Explanation: A request has been made to shut down the interregion session. This has caused module DFHZCX to issue a request to the interregion communication program to terminate the association between CICS and the interregion communication program, but the request failed because of a system error.

System Action: Any running batch (database sharing) programs are left in the wait state, and should be canceled. Any CICS tasks (in other CICS systems) that are in communication with this system are also left in the wait state. These other CICS systems should issue CEMT SET CONNECTION(*sysid*) OUTSERVICE PURGE, where *sysid* is the CONNECTION name of the system for which DFHIR3760 was issued. Also, any attempt to restart the interregion session (in the current or any subsequent CICS session) fails.

User Response: To run further batch CICS interregion communication, you must re-IPL. You will need further assistance to resolve the underlying problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Modules: DFHZIS2, DFHSTP

XMEOUT Parameters: *applid, modname*

DFHIR3762 *date time applid* **Inter-region activity now complete**

Explanation: A CEMT SET INTERREGION COMMUNICATION (IRC) CLOSED request was issued at the master terminal. The IRC session is now complete.

System Action: Processing continues.

User Response: None.

Destination: CSMT

Module: DFHCRNP

XMEOUT Parameters: *date, time, applid*

DFHIR3765 UNABLE TO STOP INTERREGION COMMUNICATION SESSION AFTER SYSTEM ABEND.

Explanation: A request has been received (by means of system termination, abnormal termination, or master terminal) to stop the interregion session. This request has failed.

System Action: The session remains active.

User Response: If the session must be stopped, you may have to re-IPL. You will need further assistance to resolve the underlying problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHCRC

DFHIR3767 *applid* **The interregion startup program DFHCRSP is not present.**

Explanation: Module DFHCRSP is required to start an IRC session, but is missing from the CICS program library or has no installed program definition.

System Action: The IRC session is not started.

User Response: Install DFHCRSP definition (group DFHISC) and/or supply module DFHCRSP

Destination: Console

Module: DFHSIJ1

XMEOUT Parameter: *applid*

DFHIR3771 *applid* **Unable to start interregion communication because (E)STAE macro failed.**

Explanation: CICS issued an ESTAE macro that did not execute successfully, probably because storage for a ESTAE control block (SCB) was not available. For more information about the SCB, refer to the *MVS/ESA System Programming Library: Application Development Guide*.

System Action: The IRC session is not started.

User Response: Correct the cause of (E)STAE failure.

Destination: Console

Module: DFHSIJ1

XMEOUT Parameter: *applid*

DFHIR3772 *applid* **Error while attempting to start interregion communication.**

Explanation: CICS has evidence that the IRC session has already started. This is probably because the previous session could not be stopped (see messages DFHIR3760 and DFHIR3765).

Note: The session, although apparently started, is not in a usable state.

System Action: The IRC session is not started.

User Response: Perform another IPL.

Destination: Console

Module: DFHSIJ1

XMEOUT Parameter: *applid*

DFHIR3773 *applid* **Unable to start interregion communication because the APPLID option has a blank value.**

Explanation: Either the default value of *applid* (on DFHTCT TYPE=INITIAL, DFHSIT, override) must be used, or a value which is not a null value must be used.

System Action: The IRC session is not started.

User Response: Correct the *applid* value.

Destination: Console

Module: DFHSIJ1

XMEOUT Parameter: *applid*

DFHIR3775 *applid* **Unable to start interregion communication because short on storage.**

Explanation: Main storage is required to start the IRC session, but the storage is not available.

System Action: The IRC session is not started.

User Response: Wait until the storage condition has eased, then issue CEMT SET IRC OPEN command at the master terminal.

Destination: Console

Module: DFHSIJ1

XMEOUT Parameter: *applid*

DFHIR3776 *applid* **Unable to start interregion communication because another CICS system of the same name is active.**

Explanation: A CICS system is named by its applid value. If two CICS systems have the same applid value, the interregion communication SVC cannot distinguish between the systems.

Note: This situation may arise if a previous interregion communication (IRC) session could not be stopped; see message DFHIR3760. In this case, the IRC SVC would consider that the new session conflicted with the old (unstoppable) session.

System Action: The IRC session is not started.

User Response: Use a different generic applid for each CICS system.

Destination: Console

Module: DFHSIJ1

XMEOUT Parameter: *applid*

DFHIR3777 *applid* **The interregion communication table is full**

Explanation: The interregion communication SVC's user table is full.

System Action: The IRC session is not started.

User Response: When there are fewer batch-sharing programs running, issue CEMT SET IRC OPEN at the master terminal.

A common cause of this error is that MAXGROUP is set too low in an XCF Sysplex environment. Check the value of MAXGROUP and, if necessary, raise it to suit your environment. For further information, See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Module: DFHSIJ1

XMEOUT Parameter: *applid*

DFHIR3778 *applid* **Insufficient storage is available for interregion communication blocks.**

Explanation: There is insufficient key 0 storage for the IRC control blocks. Storage is required from the CICS region but from outside the CICS DSA.

System Action: The IRC session is not started.

User Response: Ensure that sufficient storage is available. See the *CICS Performance Guide* for further guidance on how to determine the CICS DSA size limits in relation to the REGION size.

Destination: Console

Module: DFHSIJ1

XMEOUT Parameter: *applid*

DFHIR3779 *applid* **Insufficient storage is available for interregion communication subsystem blocks.**

Explanation: There is insufficient storage for the control blocks required by IRC. Storage is required from the CICS region but from outside the CICS DSA.

System Action: The IRC session is not started.

User Response: Ensure that sufficient storage is available. See the *CICS Performance Guide* for further guidance on how to determine the CICS DSA size limits in relation to the REGION size.

Destination: Console

Module: DFHSIJ1

XMEOUT Parameter: *applid*

DFHIR3780 *applid* **Unable to start interregion communication. Return code=***X'retcode'***, Reason code=***X'rsncode'***.**

Explanation: CICS attempted to establish itself as a user of the interregion communication (IRC) services, but the attempt failed.

System Action: The IRC session is not started.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: The return code (which might include an error qualifier) and reason code (if any) correspond to a number of possible errors. See *Interregion Control Blocks (IRC)* in the *CICS Data Areas* manual for a complete list of return codes, error qualifiers and reason codes. (The names of all the return codes, error qualifiers and reason codes start with IRERR, IRERQ and IRRSN respectively.) Check that the following requirements are satisfied:

- A copy of DFHIRP providing an adequate level of function is present in the link pack area (LPA).
- CICS has been defined as an operating system subsystem. The *CICS Transaction Server for OS/390 Installation Guide* explains how to define CICS as a subsystem.
- The XCF couple data sets have been formatted with enough XCF groups and members per group to satisfy the requirements of your installation.
- The userid of the CICS job is authorized to log on to the CICS interregion program (DFHIRP) using the generic applid specified.
- The CICS region has a unique generic applid within the MVS sysplex.
- The CICS DB2 attachment has **not** been initialized before the first start of IRC in a CICS system that is using **both** of the following:
  - Multiregion operation (MRO) or CICS shared database, where any of the installed MRO or CICS shared database resource definitions specify ACCESSMETHOD(XM)
  - The DB2 CICS attachment to run DB2 applications.

If the message is issued when all of these conditions have been met, you will need further assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Module: DFHSIJ1

XMEOUT Parameters: *applid, X'retcode', X'rsncode'*

DFHIR3781 *applid* **Unable to start interregion communication because task CSNC cannot be attached.**

Explanation: Definitions for CSNC or DFHCRNP have not been installed, or DFHCRNP is missing from the CICS program library.

System Action: The IRC session is not started.

User Response: Make CSNC or DFHCRNP available.

Destination: Console

Module: DFHSIJ1

XMEOUT Parameter: *applid*

DFHIR3783 *date time applid* **Transaction** *transid* **termid** *termid* **- Connected transaction abended with message** *xxxx*

Explanation: Transaction *transid* was connected to a transaction in another CICS system, through an MRO link. This other transaction has abnormally terminated with the given message, causing the local transaction to abnormally terminate.

System Action: The transaction abnormally terminates.

User Response: Correct the cause of the abend in the connected transaction.

Destination: CSMT

Module: DFHZCX

XMEOUT Parameters: *date, time, applid, transid, termid, xxxx*

DFHIR3784 *applid* **A severe error (code** *X'code'***) has occurred in module DFHCRR. Connection** *conname* **(if non-blank) has been set out of service.**

Explanation: An error has been detected in module DFHCRR. The code X'*code*' is the exception trace point id which uniquely identifies what the error is and where the error was detected.

System Action: An exception entry is made in the trace table (X'*code*' in the message). A system dump is taken, unless you have specifically suppressed dumps in the dump table.

The connection *conname* (if any) being processed at the time of error is set out of service, to prevent the error from recurring repeatedly.

CICS will continue unless you have specified in the dump table that CICS should terminate. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Find and fix the source of the error before setting the connection back in service.

Notify the system administrator. This failure indicates a serious error in CICS. If you have not requested termination in the dump table, you may want to terminate CICS. For further information about CICS exception trace entries, see the *CICS Problem Determination Guide*.

You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Module: DFHCRR

XMEOUT Parameters: *applid, X'code', conname*

DFHIR3785 *applid* **Interregion control task CSNC abend. Interregion activity will be abnormally terminated.**

Explanation: CSNC is abnormally terminated.

System Action: CSNC is abnormally terminated with a system dump. All tasks using MRO links to other systems are abnormally terminated. CICS also abends all tasks in other CICS regions (including CICS shared data base batch regions) that are currently communicating with this system.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Following this abend it is not possible to use IRC within this CICS system. CICS must be restarted before IRC can be used.

Destination: Console

Module: DFHCRNP

XMEOUT Parameter: *applid*

DFHIR3786 *applid* **Unable to start interregion communication because module DFHSCTE could not be found.**

Explanation: The IRC module DFHIRP attempted to load DFHSCTE, but the module was not in the LPA.

System Action: The interregion communication session is not started.

User Response: Ensure that DFHSCTE is available.

Destination: Console

Module: DFHSIJ1

XMEOUT Parameter: *applid*

DFHIR3788 *date time applid* **Unexpected failure (return code=***X'retcode'***, reason code=***X'rsncode'***) trying to establish connection to system** *sysid*

Explanation: CICS could not establish a link to system *sysid*, even though system *sysid* is available for communication.

The most common value of code X'*retcode*' returned by the interregion communication SVC is X'65'. This means that no connection to the requesting region has been defined in the target region.

See *Interregion Communication Control Blocks* in the *CICS Data Areas* manual for a complete list of return codes (which might include an error qualifier) and reason codes. (The names of all the return codes, error qualifiers and reason codes start with IRERR, IRERQ and IRRSN respectively.)

A possible reason for this message is that the *applid* of the system on which the message appears does not match the NETNAME on any of the system entries defined in system *sysid*.

System Action: The connection is not established. Any existing connections are not affected.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: If an *applid* or a NETNAME mismatch has occurred, correct the error and retry.

If a mismatch is not the cause of the error, you may need further assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CSMT

Module: DFHCRNP

XMEOUT Parameters: *date, time, applid, X'retcode', X'rsncode', sysid*

DFHIR3789 *date time applid* **SEND/RECEIVE mismatch between TCT system entries for this system and system** *sysid*

Explanation:

- The number of send sessions defined in this system's TCT entry for system *sysid* does not equal the number of receive sessions defined in system *sysid*'s TCT entry for this system, or
- The number of receive sessions defined in this system's TCT entry for system *sysid* does not equal the number of send sessions defined in system *sysid*'s TCT entry for this system.

System Action: As many sessions as possible are established.

User Response: Alter one or both DFHTCT entries.

Destination: CSMT

Module: DFHCRNP

XMEOUT Parameters: *date, time, applid, sysid*

DFHIR3790 *date time applid* **Unable to connect to system** *sysid* **for security reasons**

Explanation: The TYPE=SYSTEM entry in system *sysid*'s DFHTCT entry for this system contained a SECURITYNAME operand that did not match the real external security ID of this system, or the ID was unknown to IRC.

System Action: The connection is not established.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Discuss with the system programmer responsible for system *sysid*.

Destination: CSMT

Module: DFHCRNP

XMEOUT Parameters: *date, time, applid, sysid*

DFHIR3791 *applid* **Unable to start interregion communication because ISC=NO has been specified.**

Explanation: IRC facilities are not available because ISC=NO has been specified.

System Action: The interregion communication session is not started.

User Response: Run with a value other than NO in the ISC operand of DFHSIT or system initialization overrides.

Destination: Console

Module: DFHSIJ1

XMEOUT Parameter: *applid*

DFHIR3793 *applid* **Unable to start interregion communication because a severe error has occurred in the recovery manager.**

Explanation: IRC facilities are not available because an internal request issued to recovery manager has failed.

System Action: The interregion communication session is not started.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Module: DFHSIJ1

XMEOUT Parameter: *applid*

DFHIR3794 *date time applid* **Interregion usage of MVS CSA storage has reached** *nnnn* **bytes for this IPL**

Explanation: The maximum number of MVS CSA bytes used so far in this IPL by the CICS interregion communication facility (for interregion buffers), is *nnnn*.

System Action: Processing continues.

User Response: None.

Destination: CSMT

Module: DFHZCX

XMEOUT Parameters: *date, time, applid, nnnn*

DFHIR3795 ABNORMAL TERMINATION - STATUS CODE DH*xx*

Explanation: The IMS high-level programming interface (HLPI) has found a condition caused by a programming error, or DL/I has returned a status code to HLPI that indicates an error. *xx* is the status code.

System Action: The batch program abnormally terminates with abend code 3795.

User Response: Correct the error and try again. See the IMS *Application Programming: DL/I Calls* or the *Application Programming: EXEC DLI Commands* for an explanation of the IMS status code.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHDRPG

DFHIR3796 *date time applid* **Transaction** *tranid* **termid** *termid* **- A connected transaction sent issue abend with following message:** *xxxxxx*

Explanation: Transaction *tranid* was connected to a transaction in another CICS system via an MRO link. The other transaction sent an ISSUE-ABEND flow with a message.

System Action: Processing continues.

User Response: Examine the information in the included message to determine the circumstances and what action to take.

Destination: CSMT

Module: DFHZIS1.

XMEOUT Parameters: *date, time, applid, tranid, termid, xxxxxx*

DFHIR3798 *applid* **IRC Not Started. Unable to load Interregion Communication Work Exit DFHIRW10.**

Explanation: As part of interregion communication intialization, an attempt is made to establish an internal work exit mechanism. This attempt has failed.

The most likely reason for the failure is that the interregion communication work exit module, DFHIRW10, cannot be loaded. This module should appear in an APF authorized library in the STEPLIB concatenation for the CICS region, in the linklist, or in the LPA.

System Action: The attempt to initiate the interregion communication facility (via the IRCSTRT DFHSIT or override option or via the CEMT SET IRC OPEN command) fails. CICS continues.

User Response: Ensure that the interregion communication work exit module, DFHIRW10, is available to be loaded.

Destination: Console

Module: DFHSIJ1

XMEOUT Parameter: *applid*

DFHIR3799 *applid* **Unable to start interregion communication because DFHIRP services are down level.**

Explanation: The version of DFHIRP being used is at a lower level than that of the caller wishing to make use of interregion communication.

System Action: The interregion communication session is not started.

User Response: If IRC is required, update the level of the DFHIRP module in the LPA such that it matches the level of the latest CICS version in use. If IRC is not required, run with system initialization override option IRCSTRT=NO.

Destination: Console

Modules: DFHSIJ1, DFHDRPF

XMEOUT Parameter: *applid*

DFHJCxxxx messages

DFHJC4522 DDNAME *ddname* **HAD A PERMANENT I/O ERROR.**

Explanation: An unrecoverable I/O error occurred while the CICS journal print utility was processing the data set defined in the DD statement *ddname*.

System Action: If the error occurred on an output data set, and multiple output copies were specified, processing continues with the other copies. Otherwise, the journal print utility terminates abnormally.

User Response: If the error occurred on an output data set, and you wish to rerun, change the DD statement to refer to a different volume, and resubmit the job. Take the original volume offline for recovery, if possible.

If the error occurred on an input data set, to be able to recover you must have a backup copy of the defective volume. You can change the DD statement to refer to the backup volume, and rerun the job. If you have a backup copy of a defective disk, you can use IBM utilities to recover the disk by flagging the defective track and pointing to an alternate track.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHJUP

DFHJC4523 PROCESSING IS BEING TERMINATED FOR THIS OPTION.

Explanation: This is an informatory message issued by the CICS journal print utility, when it completes processing for an OPTION card. The card referred to is the last OPTION card before this message on SYSPRINT.

System Action: The journal print utility continues processing with the next option.

User Response: If no other messages appear between the OPTION card and this message, the termination is normal. If other messages have been issued, check them to see if the termination is normal or abnormal. If abnormal termination has occurred, correct the errors notified in other message(s), and resubmit the job.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHJUP

DFHJC4524 INVALID CONTROL CARD FORMAT.

Explanation: The CICS journal print utility detected an error in an input CONTROL card. The card is displayed on SYSPRINT on the line before this message.

System Action: The journal print utility ignores the invalid card, and assumes standard defaults.

User Response: If the output of the run is not what you want, correct the invalid card and resubmit the job.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHJUP

DFHJC4525 INVALID CARD TYPE.

Explanation: The CICS journal print utility read an input card that did not contain one of the following strings starting in column 1:

'CONTROL', 'OPTION', '*', or 'END'.

The invalid card is displayed on SYSPRINT in the line before this message.

System Action: The journal print utility ignores the invalid card and continues processing.

User Response: If the job fails or the output is not what you want, correct the invalid card and resubmit the job.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHJUP

DFHJC4526 INVALID OPTION CARD OR PRIOR ERROR.

Explanation: The CICS journal print utility detected an error in an OPTION card or ignored it because of a previous error. The card is displayed in the line before this message.

System Action: The journal print utility ignores the card and continues processing.

User Response: If the job fails or the output is not what you want, correct the error and resubmit the job.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHJUP

DFHJC4527 END OF JOB.

Explanation: This is an end-of-job information message issued by the CICS journal print utility when it terminates normally. Errors may have been detected but none was sufficient to cause abnormal termination.

System Action: The journal print utility terminates normally.

User Response: Check that all options completed normally. If not, submit another job for the options that you still need.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHJUP

DFHJC4528 NO OPTION CARDS SUPPLIED.

Explanation: The CICS journal print utility detected that, for one CONTROL card:

1. No OPTION cards were supplied **OR**
2. All the OPTION cards contained errors (notified in previous messages).

System Action: The journal print utility does no processing for the CONTROL card with no OPTION cards.

User Response: Supply correct OPTION cards for the options you want and resubmit the job.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHJUP

DFHJC4529 UNABLE TO OPEN INPUT FILE.

Explanation: The CICS journal print utility was unable to open the input data set associated with the CONTROL card displayed before this message.

System Action: The journal print utility continues processing with the next input card.

User Response: Check the JCL. For a data set without a standard label, check that the data set control block (DCB) parameters are supplied. If you find a JCL error, correct it and resubmit the job.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHJUP

DFHJC4530 ELEMENT LIST ERROR.

Explanation: The CICS journal print utility detected an error while processing an input file.

System Action: The journal print utility terminates processing with the MVS user abend code 0185.

User Response: This is usually caused by a previous error, for which a message has been issued. If any previous error messages were displayed, make the necessary corrections and resubmit the job.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHJUP

DFHJC4531 END OF FILE ON INPUT.

Explanation: The CICS journal print utility has reached EOF on the current input file.

System Action: The journal print utility completes processing for the CONTROL card preceding this message on SYSPRINT.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHJUP

DFHJC4532 OPTION COMPLETE.

Explanation: The CICS journal print utility has completed processing for the OPTION card preceding this message on SYSPRINT.

System Action: The journal print utility continues processing with the next OPTION card or, if there are no further options before the END card, completes processing for the current control card.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHJUP

DFHJC4533 UNABLE TO OPEN OUTPUT FILE.

Explanation: The CICS journal print utility was unable to open the output data set associated with the last CONTROL card displayed on SYSPRINT before this message.

System Action: The journal print utility terminates processing for this CONTROL card, and continues processing with the next CONTROL card.

User Response: Check the JCL. For a data set without a standard label, check that the data set control block (DCB) parameters are supplied. If you find a JCL error, correct it and resubmit the job.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHJUP

DFHJC4534 NO ELEMENT LIST ADDRESS.

Explanation: During CICS journal print utility processing, an error occurred in building the element list.

System Action: The journal print utility terminates processing for this element list, and terminates abnormally with the MVS user abend code, 0184.

User Response: This is an internal error in the journal print utility, DFHJUP. You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHJUP

DFHJC4571 AN ERROR (CODE *X'code'*) HAS OCCURRED IN THE USER EXIT PROGRAM.

Explanation: An error has been detected in the user exit program. The code *code* is the value returned in register 15 from the exit program to DFHJUP. The journal print utility terminates without processing any remaining OPTION cards.

User Response: Correct the error in the user exit program and resubmit the job.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHJUP

DFHKCxxxx messages

DFHKC0102 *date time applid terminal userid tranid* **PFT entry for** *profname* **has been added.**

Explanation: This is an audit log message indicating that profile entry *profname* has been added to the PFT using the INSTALL command.

terminal is the netname or termid of the terminal at which the INSTALL command was entered.

userid is the user identifier of the operator performing the INSTALL command.

tranid is the transaction used to perform the INSTALL command.

System Action: The system continues normally.

User Response: None.

Destination: CSKL

Module: DFHKCQ

XMEOUT Parameters: *date, time, applid, terminal, userid, tranid, profname*

DFHKC0104 *date time applid terminal userid tranid* **PFT entry for** *profname* **has been deleted.**

Explanation: This is an audit log message indicating that profile entry *profname* has been deleted from the CICS profile table (PFT) using the DISCARD command.

terminal is the netname or termid of the terminal at which the DISCARD command was entered.

userid is the user identifier of the operator performing the DISCARD command.

tranid is the transaction used to perform the DISCARD command.

System Action: The system continues normally.

User Response: None.

Destination: CSKL

Module: DFHKCQ

XMEOUT Parameters: *date, time, applid, terminal, userid, tranid, profname*

DFHKC0106 *date time applid terminal userid tranid* **PFT entry for** *profname* **has been replaced.**

Explanation: This is an audit log message indicating that profile entry *profname* has been replaced in the CICS profile table PFT using the INSTALL command.

terminal is the netname or termid of the terminal at which the INSTALL command was entered.

userid is the user identifier of the operator performing the INSTALL command.

tranid is the transaction used to perform the INSTALL command.

System Action: The system continues normally.

User Response: None.

Destination: CSKL

Module: DFHKCQ

XMEOUT Parameters: *date, time, applid, terminal, userid, tranid, profname*

DFHKC0301 *applid* **Program DFHKCRP cannot be found.**

Explanation: The transaction manager recovery program is not available. CICS cannot find DFHKCRP in any data set concatenated in the DFHRPL DD statement in the CICS startup job stream.

System Action: CICS terminates abnormally with a dump.

User Response: To correct this error, place DFHKCRP in a partitioned data set in the DFHRPL DD statement.

Destination: Console

Module: DFHKCQ

XMEOUT Parameter: *applid*

DFHKC0302 *applid* **Transaction Manager restart failed. Reason - *rc*.**

Explanation: During transaction manager initialization, CICS executes the following steps in the order in which they are listed:-

1 Building the profile table (PFT) directory.

8 Purging profile definitions from the global catalog using the catalog domain.

10 Restoring profile definitions from the global catalog using the catalog domain.

The transaction manager restart has failed for reason *rc*, where *rc* indicates the job step that did not complete successfully. Subsequent steps have not been attempted.

System Action: CICS terminates the task under which DFHKCRP is running with an AKCB abend code, and issues message DFHSI1521.

User Response: Examine the trace in the CICS AKCB transaction dump to see the history of the task that DFHKCRP is running under for further information regarding the precise cause of the failure.

Destination: Console

Module: DFHKCRP

XMEOUT Parameters: *applid, rc*

DFHKC0308I *applid* **ERROR OCCURRED IN SRB MODE.**

Explanation: An error such as a program check was detected by the operating system during the execution of a unit of work scheduled by means of a service request block (SRB). The SRB was scheduled, directly or indirectly, by CICS in order to issue a VTAM authorized path request.

A message could not be issued because the error was detected when running under an SRB.

Diagnostics: The error is handled by a functional recovery routine (FRR) in DFHKCSP. This FRR saves the system diagnostic work area (SDWA) if one was provided, and issues a CALLRTM to terminate the CICS TCB with user abend code 0308.

This, in turn, causes the ESTAE exit established by DFHKESTX to be taken, resulting in the storing of the CICS TCB status and provision of a dump as for abends occurring during execution under the CICS TCB.

The SDWA saved by DFHKCSP may be located in the dump by:

Finding the module itself (look for characters 'DFHKCSP').

Finding the save area (look for characters 'SRB SDWA SAVE AREA'); the SDWA follows this character string.

Analysis: The SDWA, located as described above, is a standard MVS SDWA. The principal contents of the SDWA are:

SDWAGRSV General registers 0 through 15

SDWAEC1 Program status word (PSW) at the time of the interrupt.

In general, registers 12 and 13 will not address a TCA or the CSA.

The registers and PSW recorded in DFHKESTX represent the state of the CICS TCB when CICS was terminated by the FRR. Normally this information is not relevant to the cause of the failure, but may give clues to the environment in which the SRB was running.

System Action: CICS is terminated with user abend code U0308. The system diagnostic work area (SDWA) presented at the time of error is copied into module DFHKCSP. DFHKCSP resides in protected storage and can be printed from an MVS region dump.

User Response: Locate the SDWA, situated in DFHKCSP after the characters "SRB SDWA WORK AREA." This contains the PSW and registers at the time of the error.

If the address in SDWAEC1 is in CICS code, examine the code to determine the expected register contents at this point. If this does not suggest any obvious local problem, look for a pointer to the RPL associated with the SRB mode execution. This will indicate the location of the MVS save area.

If the address in SDWAEC1 is not in CICS code (that is in MVS), try using the contents of register 13 to trace back through the save areas to the one provided by CICS. The contents of this save area will show the point of call in CICS (in DFHZHPRX), and the arguments passed to the access method, in particular the address of the RPL (register 1). Failure in an access method may be due to an incorrect RPL. Therefore check the ACB address, entry point, and I/O area address.

Note: When CICS is executing in SRB mode, it is not possible for the message to be issued. However, user abend code 308 is generated and should appear in message DFHSR0606.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHKCSP

DFHKExxxx messages

DFHKE0001 *applid* **An abend (code** *aaa/bbbb***) has occurred at offset** *X'offset'* **in module** *modname***.**

Explanation: An abnormal end (abend) or program check has occurred in module *modname*. This implies that there may be an error in CICS code. Alternatively, unexpected data has been input, or storage has been overwritten.

The code *aaa/bbbb* is a three digit hexadecimal MVS code (if applicable), followed by a four digit alphanumeric CICS code. The MVS code is a system completion code (for example, 0C1 or D37). If an MVS code is not applicable, this field is filled with three hyphens. The CICS code is an abend code or a number referring to a CICS message (for example, AKEA is a CICS abend code; 1310 refers to message DFHTS1310).

During initialization, CICS may not have access to the user's *applid* coded in the SIT. If CICS produces this message in these circumstances, it uses the default *applid* value DBDCCICS.

System Action: An exception entry is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS continues unless you have specified in the dump table that CICS should terminate.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: If CICS is still running, it is necessary to decide whether to terminate CICS.

Look up the MVS code, if there is one, in *OS/390 MVS System Codes*.

Next, look up the CICS alphanumeric code in this manual. This tells you, for example, whether the error was a program check, an

abend, or a runaway, and may give you some guidance concerning user response.

If module *modname* is not crucial to the running of your CICS system, you may decide to continue to run and bring CICS down at a convenient time to resolve the problem.

If you cannot run without the full use of module *modname* you should bring CICS down in a controlled shutdown.

You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Modules: DFHKEDD, DFHKEDS, DFHKEGD, DFHKETI

XMEOUT Parameters: *applid, aaa/bbbb, X'offset', modname*

DFHKE0002 *applid* **A severe error (code** *X'code'***) has occurred in module** *modname***.**

Explanation: An error has been detected in module *modname*. The code *code* is the exception trace point id which uniquely identifies what the error is and where the error was detected.

For further information about CICS exception trace entries, see the *CICS Problem Determination Guide*.

During initialization, CICS may not have access to the user's *applid* coded in the SIT. If CICS produces this message in these circumstances, it uses the default *applid* value DBDCCICS.

System Action: An exception entry (code X'*code*' in the message) is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS will continue unless you have specified in the dump table that CICS should terminate. If appropriate, an error return code is sent to the caller of this domain. In this case, CICS could be terminated by the caller (for example, the domain manager, DFHDMDM). A message will be issued to this effect.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: This indicates a possible error in CICS code. The severity of its impact depends on the importance of the function being executed at the time of the error.

CICS may not have been terminated.

If the message occurs once and module *modname* is not crucial to the running of your CICS system, you may decide to continue to run and bring CICS down at a convenient time to resolve the problem.

If the message recurs or if you cannot run without the full use of module *modname* you should bring CICS down in a controlled shutdown.

You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Modules: DFHKEDD, DFHKEGD, DFHKEIN

XMEOUT Parameters: *applid, X'code', modname*

DFHKE0004 *applid* **A possible loop has been detected at offset** *X'offset'* **in module** *modname***.**

Explanation: A CICS function is taking more time to process than CICS expects. A possible loop has been detected in module *modname* at offset X'*offset*'. This is the offset of the instruction which was executing at the time the error was detected.

During initialization, CICS may not have access to the user's *applid* coded in the SIT. If CICS produces this message in these circumstances, it uses the default *applid* value DBDCCICS.

System Action: An exception entry is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS continues unless you have specified in the dump table that CICS should terminate.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Notify the system programmer. If CICS has not been terminated, it is necessary to decide whether the problem is serious enough to bring CICS down.

Since some CICS functions can use a lot of CPU time, this message may have been caused by a long-running function. So there may not be an error here. Usually, CICS purges a CICS function which exceeds the runaway task time interval which you have specified in the SIT (this is the ICVR which is measured in milliseconds). This means that module *modname* is terminated and CICS continues.

But if you have declared ICVR=0 in the SIT and you consider that module *modname* has gone into a loop, you have to terminate CICS in order to terminate the runaway function.

If CICS has terminated module *modname* and you consider that it was not a runaway, you should increase the ICVR time interval in the SIT. You have to bring CICS down at a suitable time to do this permanently. However, you can change the ICVR time interval temporarily online, using the CEMT transaction.

If raising the ICVR time does not solve the problem, you will need further assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Modules: DFHKEDD, DFHKEDS, DFHKEGD, DFHKETI

XMEOUT Parameters: *applid, X'offset', modname*

DFHKE0005 *applid* **A hardware error has occurred (module** *modname***, code** *X'code'***). The MVS store clock was found inoperative.**

Explanation: A hardware error has occurred during the running of module *modname*. The MVS store clock facility is the timing mechanism for the operating system.

The code *code* is the exception trace point ID which uniquely identifies the place where the error was detected.

During initialization, CICS may not have access to the user's *applid* coded in the SIT. If CICS produces this message in these circumstances, it uses the default *applid* value DBDCCICS.

System Action: An exception entry (code *code* in the message) is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS continues unless you have specified in the dump table that CICS should terminate.

User Response: If CICS is still running, it is necessary to decide whether to terminate CICS. This is probably a hardware error and you should first investigate the MVS store clock and find out whether it is working properly. If this is the cause, you should take the appropriate action to have it repaired or replaced.

In the unlikely event that this is not a hardware problem, you will need further assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHKETI

DFHKE0006 *applid* **Insufficient storage to satisfy Getmain (code** *X'code'***) in module** *modname***. MVS code** *mvscode***.**

Explanation: An MVS GETMAIN was issued by module *modname* but there was insufficient storage available to satisfy the request.

The code X'*code*' is the exception trace point ID which uniquely identifies the place where the error was detected.

The code *mvscode* is the MVS GETMAIN return code.

During initialization, CICS may not have access to the user's *applid* coded in the SIT. If CICS produces this message in these circumstances, it uses the default *applid* value DBDCCICS.

System Action: CICS will terminate with a system dump. An exception entry is made in the trace table (code *code* in the message).

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Inform the system programmer.

You can get diagnostic information about the MVS return code by consulting the relevant MVS codes manual which is listed in the book list at the front of this book.

Try decreasing the overall size limit of the DSAs or EDSAs. Or, try increasing the size of the whole region, if it is not already at maximum size. If CICS is not already terminated, you will need to bring CICS down to do this. See the *CICS System Definition Guide* or the *CICS Performance Guide* for further information on CICS storage.

Destination: Console

Module: DFHKEIN

XMEOUT Parameters: *applid, X'code', modname, mvscode*

DFHKE0101 *applid* **DFHSIP IS NOT APF-AUTHORIZED. CICS WILL TERMINATE.**

Explanation: Part of CICS initialization must be done in an APF-authorized state. The kernel has detected that DFHSIP is not APF-authorized.

During initialization, CICS may not have access to the user's *applid* coded in the SIT. If CICS produces this message in these circumstances, it uses the default *applid* value DBDCCICS.

System Action: CICS will terminate. The CICS job step terminates with return code 12.

User Response: All libraries concatenated in the STEPLIB concatenation should be APF-authorized, and DFHSIP should be link-edited with an authorization code of 1.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHKESIP

DFHKE0102 *applid* **UNSUCCESSFUL PRE-INITIALIZATION OF** *domain* **DOMAIN. CICS WILL TERMINATE.**

Explanation: A domain has failed to pre-initialize and as a result the system will terminate.

During initialization, CICS may not have access to the user's *applid* coded in the SIT. If CICS produces this message in these circumstances, it uses the default *applid* value DBDCCICS.

Since this problem has occurred so early in CICS initialization, possible causes include a severe lack of storage or corruption of the local catalog.

System Action: CICS terminates.

User Response: Inform the system programmer. If a dump is taken, investigate this problem using the exception trace which is issued by the failing domain.

You may need further assistance to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHKETCB.

DFHKE0103 *applid* **IDENTIFY FAILED IN MODULE** *modname***. MVS CODE** *mvscode***. CICS WILL TERMINATE.**

Explanation: The kernel has issued an MVS IDENTIFY which has failed.

The code *mvscode* is the MVS IDENTIFY return code.

During initialization, CICS may not have access to the user's *applid* coded in the SIT. If CICS produces this message in these circumstances, it uses the default *applid* value DBDCCICS.

System Action: CICS terminates. The CICS job step terminates with return code 12.

User Response: Inform the system programmer.

To resolve the problem, use the MVS IDENTIFY return code *mvscode* and the *MVS/XA Supervisor Services and Macro Instructions* manual, (GC28-1154), to determine why the IDENTIFY failed.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHKETCB.

DFHKE0104 *applid* **CICS HAS BEEN SUPPLIED WITH INCORRECT SVC NUMBER** *svcno***.**

Explanation: CICS has validated the SVC number *svcno*, but it does not correspond to the correct CICS Type 3 SVC for this release of CICS. CICS cannot function without the correct CICS SVC.

The SVC number *svcno* has been specified in the SIT, or as an override, by the CICSSVC= parameter.

During initialization, CICS may not have access to the user's *applid* coded in the SIT. If CICS produces this message in these circumstances, it uses the default *applid* value DBDCCICS.

System Action: Control is returned to the parameter manager for interaction with the operator. Further action depends upon which PARMERR= parameter has been specified.

- If PARMERR=ABEND, CICS is terminated with a system dump.
- If PARMERR=IGNORE, CICS is terminated with a system dump.
- If PARMERR=INTERACT, the operator is prompted to enter another SVC number, or to bypass entry. If the operator bypasses entry, CICS is terminated with a system dump.

User Response: The CICS Type 3 SVC is defined to MVS in SYS1.PARMLIB member IEASVCxx. SVC *svcno* must be defined as a Type 3 SVC with an entry point equal to the entry point name specified when the SVC module was installed into SYS1.LPALIB. Ensure that this is the case.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHKEGD.

DFHKE0105 *applid* **CICS INITIALIZATION IS NOT SUPPORTED ON THIS LEVEL OF OPERATING SYSTEM.**

Explanation: The kernel has detected that the release level of the operating system is earlier than the pre-requisite release level required to run CICS.

System Action: CICS will terminate. The CICS job step terminates with return code 12.

User Response: Refer to the *CICS Program Directory* and install the pre-requisite operating system release level or higher.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHKESIP

DFHKE0201 *applid* **ABOUT TO TAKE SDUMP. DUMPCODE:** *dumpcode***, DUMPID:** *dumpid***. (MODULE** *modname***).**

Explanation: An error during pre-initialization or termination, possibly signalled by a previous message, has caused the kernel domain to take a dump, which will issue this message immediately before calling the MVS SDUMP facility.

The dump code *dumpcode* is the 8-character dump code 'KERNDUMP'.

The dumpid *dumpid* is the string '0/0000'.

During initialization, CICS may not have access to the user's *applid* coded in the SIT. If CICS produces this message in these circumstances, it uses the default *applid* value DBDCCICS.

System Action: When the dump is complete, message number DFHKE0202 is issued.

User Response: Inform the system programmer. See the associated dump and error messages for further guidance.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Modules: DFHKEDD, DFHKEDS, DFHKEGD, DFHKEIN, DFHKESTX

DFHKE0202 *applid* **SDUMP COMPLETE. (MODULE** *modname***).**

Explanation: This message is issued on successful completion of an SDUMP.

During initialization, CICS may not have access to the user's *applid* coded in the SIT. If CICS produces this message in these circumstances, it uses the default *applid* value DBDCCICS.

System Action: CICS will terminate.

User Response: Print off the system dump if required. A previous MVS message will identify in which SYS1.DUMP data set this dump can be found.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Modules: DFHKEDD, DFHKEDS, DFHKEGD, DFHKEIN, DFHKESTX

DFHKE0208 *applid* **SDUMP BUSY - CICS WILL RETRY IN FIVE SECONDS. (MODULE** *modname***).**

Explanation: At the time of the MVS SDUMP request issued by CICS, another address space in the same MVS system was in the process of taking an SDUMP. This causes MVS to reject the new request. A nonzero value for the DURETRY parameter on the SIT means that CICS waits for five seconds before reissuing the SDUMP request.

System Action: CICS issues an MVS STIMERM macro which causes CICS to stop for five seconds. The request is reissued when the delay interval has expired. CICS delays and retries every five seconds for a total time equal to the number of seconds specified on the DURETRY system initialization parameter.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Modules: DFHKEDD, DFHKEDS, DFHKEGD, DFHKEIN, DFHKESTX

DFHKE0209 *applid* **RETRYING SDUMP. (MODULE** *modname***).**

Explanation: At the time of the MVS SDUMP request issued by CICS, another address space in the same MVS system was in the process of taking an SDUMP. This caused MVS to reject the new request. CICS has waited for five seconds (as indicated by message DFHKE0208) and is now reissuing the SDUMP request.

System Action: CICS reissues the SDUMP request.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Modules: DFHKEDD, DFHKEDS, DFHKEGD, DFHKEIN, DFHKESTX

DFHKE0210 *applid* **SDUMP REQUEST FAILED. (MODULE** *modname***) -** *reason***.**

Explanation: An MVS SDUMP request from CICS signalled by message DFHKE0201 has failed to complete successfully. The possible reasons *reason* for the failure are detailed below.

SDUMP RETURN CODE X'nn' ONLY PARTIAL DUMP
The SYS1.DUMP data set to which the dump was written was not large enough to contain all of the dumped storage.

SDUMP RETURN CODE X'nn' REASON X'mm' SDUMP BUSY
At the time of the MVS SDUMP request issued by CICS, another address space in the same MVS system was in the process of taking an SDUMP. This caused MVS to reject the new request.

If a nonzero value has been specified for the DURETRY SIT parameter, CICS will have retried the SDUMP request every five seconds for the specified period. This message is issued if SDUMP is still busy after the final retry.

SDUMP RETURN CODE X'nn' REASON X'mm' NO DATA SET AVAILABLE
No data set is available for the SDUMP request.

SDUMP RETURN CODE X'nn' REASON X'mm'
MVS rejected the SDUMP request for some other reason than those listed above. X'nn' gives the hexadecimal SDUMP return code and X'mm' gives the hexadecimal SDUMP reason.

NOT AUTHORIZED IN CICS
SDUMP is not authorized for this CICS run.

INSUFFICIENT STORAGE
CICS issued an MVS GETMAIN for Subpool 253 storage during the processing of the SDUMP request. The GETMAIN was rejected by MVS.

STIMERM FAILED
In order to delay for five seconds before retrying SDUMP after an SDUMP busy condition, CICS issues an MVS STIMERM macro request. MVS has indicated that the STIMERM request has failed.

DFHDUSVC FESTAE FAILED
CICS issued an MVS FESTAE request from DFHDUSVC during the processing of the SDUMP request. The FESTAE has been rejected by MVS.

DFHDUSVC FUNCTION INVALID
CICS called DFHDUSVC during the processing of the SDUMP request. The function passed to DFHDUSVC was invalid.

During initialization, CICS does not have access to the user's *applid* coded in the SIT. If CICS produces this message in these circumstances, it uses the default *applid* value DBDCCICS.

System Action: CICS proceeds as if the dump had been successful.

User Response: The user response depends on the reason for the failure. For:

SDUMP RETURN CODE X'nn' ONLY PARTIAL DUMP
Examine the reason code that explains why the partial dump was taken. This code is contained in the MVS message IEA911E. See the *OS/390 MVS System Messages, Volume 1* for a description of this reason code.

SDUMP RETURN CODE X'nn' REASON X'mm' SDUMP BUSY
Cause the SDUMP to be reissued by increasing the DURETRY value on the SIT. See the *OS/390 MVS Programming: Authorized Assembler Services Reference* for an explanation of the SDUMP return code X'nn' and reason X'mm'.

SDUMP RETURN CODE X'nn' REASON X'mm' NO DATA SET AVAILABLE
Clear a SYS1.DUMP data set and then cause the SDUMP request to be reissued. See the *OS/390 MVS Programming: Authorized Assembler Services Reference* for an explanation of the SDUMP return code X'nn' and reason X'mm'.

SDUMP RETURN CODE X'nn' REASON X'mm'
No action is required if the dump was suppressed deliberately. If the dump failed because of an error in the MVS SDUMP routine, use MVS problem determination methods to fix the error and then cause the SDUMP request to be reissued. See the *OS/390 MVS Programming: Authorized Assembler Services Reference* for an explanation of the SDUMP return code X'nn' and reason X'mm'.

NOT AUTHORIZED IN CICS
This reason should not appear, because an SDUMP is unconditionally authorized during CICS initialization, and should be authorized throughout the CICS run. If you do get this reason, the CICS AFCB (Authorized Function Control Block) has probably been accidentally overwritten.

INSUFFICIENT STORAGE
Ensure sufficient storage is available to MVS for subpool 253 requests.

STIMERM FAILED
Use MVS problem determination methods to fix the STIMERM failure and then cause the SDUMP request to be reissued.

DFHDUSVC FESTAE FAILED
Use MVS problem determination methods to fix the FESTAE failure and then cause the SDUMP to be reissued. See the *OS/390 MVS Programming: Authorized Assembler Services Reference* for an explanation of the FESTAE macro.

DFHDUSVC FUNCTION INVALID
The CICS DAFPB (dump authorized function parameter block) has probably been accidentally overwritten.

Notify the system programmer. If CICS is still running, it will be necessary to decide whether to terminate CICS.

You may decide to continue to run and bring CICS down at a convenient time to resolve the problem.

To resolve the problem, collect any dumps and any relevant messages and contact your IBM Support Center.

Further guidance on how to prepare information for IBM support is given in the *CICS Problem Determination Guide* If you are not familiar with this process, refer to the guide before contacting IBM support.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Modules: DFHKEDD, DFHKEDS, DFHKEGD, DFHKEIN, DFHKESTX

DFHKE0301 *applid* **Insufficient storage to satisfy Getmain in module** *modname***. MVS code** *mvscode***.**

Explanation: The kernel (KE) domain has issued an MVS GETMAIN for kernel stack storage, but there was insufficient storage available to satisfy the request.

The code *mvscode* is the MVS GETMAIN return code.

During initialization, CICS may not have access to the user's *applid* coded in the SIT. If CICS produces this message in these circumstances, it uses the default *applid* value DBDCCICS.

System Action: CICS terminates abnormally with a system dump. No exception entry is made in the trace table since a call to the trace (TR) domain would itself require kernel stack storage.

User Response: Inform the system programmer.

You can get diagnostic information about the MVS return code by consulting the relevant MVS codes manual which is listed in the book list at the front of this book. Also look at the kernel domain section of the system dump to see how the kernel stack storage has been used up.

Try decreasing the size limits of the DSAs or EDSAs. Or, try increasing the size of the whole region, if it is not already at maximum size. See the *CICS System Definition Guide* or the *CICS Performance Guide* for further information on CICS storage.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHKESGM

DFHKE0302 *applid* **Freemain of stack storage failed in module** *modname***. MVS code** *mvscode***.**

Explanation: The kernel (KE) domain has issued an MVS FREEMAIN for kernel stack storage, but a bad return code was returned.

The code *mvscode* is the MVS FREEMAIN return code.

During initialization, CICS may not have access to the user's *applid* coded in the SIT. If CICS produces this message in these circumstances, it uses the default *applid* value DBDCCICS.

System Action: CICS terminates abnormally with a system dump. No exception entry is made in the trace table since a call to the trace (TR) domain would itself require kernel linkage.

User Response: Inform the system programmer.

You can get diagnostic information about the MVS return code by consulting the *OS/390 MVS System Codes* manual.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHKEDS

DFHKE0303 *applid* **A RECURSIVE ABEND HAS BEEN DETECTED BY THE KERNEL DOMAIN.**

Explanation: The kernel (KE) domain has detected that the current task is recursively abending while attempting to recover from an abend.

System Action: CICS terminates abnormally with a system dump. No exception entry is written to the trace table because the trace (TR) domain may be the cause of the loop.

User Response: Use the dump provided to investigate the kernel error table to diagnose the earlier abends for the failing task.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHKERRI

DFHKE0401 *applid* **CICS REGISTER CALL TO AUTOMATIC RESTART MANAGER FAILED (RETURN CODES** *X'resp'***,** *X'reason'***).**

Explanation: An attempt to invoke a REGISTER request against the MVS automatic restart manager (ARM) failed.

The codes *resp*, *reason* are the hexadecimal response and reason codes from ARM.

System Action: A system dump is taken.

CICS continues, but cannot subsequently be restarted by ARM.

User Response: It is necessary to decide whether to terminate CICS.

For problem diagnosis look up the return codes from the IXCARM macro in the *OS/390 MVS Sysplex Services Reference* manual.

Further information about how to use ARM can also be found in *OS/390 MVS Setting Up a Sysplex*.

You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHKEAR

DFHKE0402 *applid* **CICS DEREGISTER CALL TO AUTOMATIC RESTART MANAGER FAILED (RETURN CODES** *X'resp'***,** *X'reason'***).**

Explanation: An attempt to invoke a DEREGISTER request against the MVS automatic restart manager (ARM) failed.

The codes *resp*, *reason* are the hexadecimal response and reason codes from ARM.

System Action: If the request failed during startup, a dump is taken and CICS continues.

If the request failed during shutdown, an exception entry is made in the trace table, and a system dump is taken unless you have specifically suppressed dumps in the dump table. CICS continues to shut down unless you have specified in the dump table that CICS should terminate. The DEREGISTER failed so a subsequent failure of CICS or an IMMEDIATE shutdown may result in ARM restarting CICS.

User Response: For problem diagnosis look up the return codes from the IXCARM macro in the *OS/390 MVS Sysplex Services Reference* manual.

Further information about how to use ARM can also be found in the *MVS/ESA Setting Up a Sysplex* manual.

You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Module: DFHKEAR

XMEOUT Parameters: *applid, X'resp', X'reason'*

DFHKE0403 *applid* **CICS WAITPRED call to automatic restart manager failed (return codes** *X'resp'*, *X'reason'***).**

Explanation: An attempt to invoke a WAITPRED request against the MVS automatic restart manager (ARM) failed.

The codes *resp*, *reason* are the hexadecimal response and reason codes from ARM.

System Action: An exception entry is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS continues unless you have specified in the dump table that CICS should terminate. The failure of the WAITPRED request may result in other subsystems not being available when CICS initialization completes.

User Response: If CICS is still running, it is necessary to decide whether to terminate CICS.

For problem diagnosis look up the return codes from the IXCARM macro in the *OS/390 MVS Sysplex Services Reference* manual.

Further information about how to use ARM can also be found in the *MVS/ESA Setting Up a Sysplex* manual.

You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Module: DFHKEAR

XMEOUT Parameters: *applid, X'resp', X'reason'*

DFHKE0404 *applid* **CICS READY call to automatic restart manager failed (return codes** *X'resp'*, *X'reason'***).**

Explanation: An attempt to invoke a READY request against the MVS automatic restart manager (ARM) failed.

The codes *resp*, *reason* are the hexadecimal response and reason codes from ARM.

System Action: An exception entry is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS continues unless you have specified in the dump table that CICS should terminate. Other subsystems which are waiting for CICS are not be informed that CICS is ready for work and continue to wait until timed out.

User Response: If CICS is still running, it is necessary to decide whether to terminate CICS.

For problem diagnosis look up the return codes from the IXCARM macro in the *OS/390 MVS Sysplex Services Reference* manual.

Further information about how to use ARM can also be found in the *MVS/ESA Setting Up a Sysplex* manual.

You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Module: DFHKEAR

XMEOUT Parameters: *applid, X'resp', X'reason'*

DFHKE0405 *applid* **CICS WAITPRED call to automatic restart manager timed out (return codes** *X'resp'*, *X'reason'***).**

Explanation: A WAITPRED request against the MVS automatic restart manager (ARM) timed out.

The codes *resp*, *reason* are the hexadecimal response and reason codes from ARM.

System Action: An exception entry is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS continues unless you have specified in the dump table that CICS should terminate. The WAITPRED request time out may result in other subsystems not being available when CICS initialization completes.

User Response: If CICS is still running, it is necessary to decide whether to terminate CICS.

For problem diagnosis look up the return codes from the IXCARM macro in the *OS/390 MVS Sysplex Services Reference* manual.

Further information about how to use ARM can also be found in the *MVS/ESA Setting Up a Sysplex* manual.

You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Module: DFHKEAR

XMEOUT Parameters: *applid, X'resp', X'reason'*

DFHKE0406I *applid* **CICS is about to wait for predecessors defined in the MVS automatic restart management policy for this region.**

Explanation: CICS is about to invoke a WAITPRED request against the automatic restart manager. This may result in a delay before CICS processing continues.

System Action: CICS continues.

User Response: None.

Destination: Console

Module: DFHKEAR

XMEOUT Parameter: *applid*

DFHKE0407 *applid* **XRF IS INCOMPATIBLE WITH AUTOMATIC RESTART MANAGER. CICS IS TERMINATING.**

Explanation: CICS has registered with the MVS automatic restart manager (ARM) after having been restarted but the restart JCL specifies XRF=YES. XRF is incompatible with ARM.

System Action: CICS terminates.

User Response: Ensure that the XRF=YES option in the restart JCL is correct.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHKEAR

DFHKE0408D *applid* **PLEASE SPECIFY START TYPE, 'ASIS' OR 'AUTO'.**

Explanation:

An attempt to REGISTER with the MVS automatic restart manager (ARM) has failed when a cold or initial start has been specified in the SIT.

When the CICS region has been restarted with JCL that specifies START=COLD or START=INITIAL, CICS relies on ARM to determine whether to override the start type and change it to AUTO. As the REGISTER has failed, CICS cannot determine whether the region is being restarted by ARM, and so does not know whether to override the start type.

System Action:

CICS waits until the operator supplies the START type to be used by this region.

User Response: If the region is being restarted by ARM, specify AUTO. If the startup type of COLD or INITIAL in the SIT should be preserved, specify ASIS.

See the previously issued message DFHKE0401 for guidance on dealing with the underlying REGISTER failure.

Note: This message cannot be changed with the message editing utility.

Destination: Console Routecodes 1 and 11

Module: DFHKEAR

DFHKE0410 *applid* **CICS REGISTER CALL TO AUTOMATIC RESTART MANAGER FAILED BECAUSE THE JOB TYPE IS INVALID.**

Explanation: An attempt to invoke a REGISTER request against the MVS automatic restart manager (ARM) failed because the job type is invalid to ARM. CICS can only register with ARM if it is being run as a started task or a batch job.

System Action: CICS continues, but cannot subsequently be restarted by ARM.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHKEAR

DFHKE0411 *applid* **CICS REGISTER CALL TO AUTOMATIC RESTART MANAGER FAILED BECAUSE MAXIMUM NUMBER OF USERS WAS REACHED.**

Explanation: An attempt to invoke a REGISTER request against the MVS automatic restart manager (ARM) failed because the maximum number of ARM users allowed for in the ARM couple data set has been reached. This response is never given by ARM if ARM is restarting CICS.

System Action: CICS continues, but cannot subsequently be restarted by ARM.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHKEAR

DFHKE0412I *applid* **CICS WAITPRED call to automatic restart manager has completed.**

Explanation: A WAITPRED request against the MVS automatic restart manager (ARM) has completed.

Further information about how to use ARM can also be found in the *MVS/ESA Setting Up a Sysplex* manual.

You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Module: DFHKEAR

XMEOUT Parameter: *applid*

DFHKE0413 *applid* **CICS REGISTER CALL FAILURE IN MODULE DFHKESVC (RETURN CODE** *X'resp'***).**

Explanation: An attempt to invoke a REGISTER request against the MVS automatic restart manager (ARM) failed in module DFHKESVC.

The code *resp* is the hexadecimal response from DFHKESVC and its meanings are:

- 08 - The requested function is not supported.
- 0C - The getmain for the dynamic storage failed.
- 10 - Unable to establish the recovery routine.
- 14 - The **DFHAUTH CHECK** failed.

System Action:

CICS continues, but cannot subsequently be restarted by ARM.

User Response:

It is necessary to decide whether to terminate CICS.

Further information about how to use ARM can also be found in *OS/390 MVS Setting Up a Sysplex*.

You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHKEAR

DFHKE0999 *applid* **MVS HAS CALLED DFHKESTX WITH NO SDWA. ABEND CODE** *X'code'***.**

Explanation: MVS has made a call to the CICS ESTAE-type recovery routine DFHKESTX, but it supplied no system diagnostic work area (SDWA). DFHKESTX is unable to continue with the recovery.

During initialization, CICS may not have access to the user's *applid* coded in the SIT. If CICS produces this message in these circumstances, it uses the default *applid* value DBDCCICS.

System Action: Module DFHKESTX produces a system dump and percolates the error to the next ESTAE routine. This is potentially a serious error. CICS continues processing pending the result of the error percolation.

User Response: The abend code X'*code*' is the reason the CICS ESTAE was called. You need to find out which product has produced the abend. Typically it is an MVS system completion code, for example D37. However the abend may have been issued by CICS, for example abend 1596, or another product such as IMS.

Since there is little further diagnostic information in this case, look for any messages that may indicate the reason for the abend. The entry in the appropriate manual for the abend code gives user guidance regarding the error, and may also give some guidance concerning the appropriate user response.

The reason why no SDWA was passed and subsequently no recovery was attempted is probably a shortage of storage. This storage shortage may also be an influencing factor in the abend itself.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHKESTX

DFHKE1799 *applid* **TERMINATION OF CICS IS COMPLETE.**

Explanation: This message is issued when CICS has terminated.

During initialization, CICS may not have access to the user's *applid* coded in the SIT. If CICS produces this message in these circumstances, it uses the default *applid* value DBDCCICS.

System Action: Control is given back to the operating system.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHKESIP

DFHKE1800 *applid* **ABNORMAL TERMINATION OF CICS IS COMPLETE.**

Explanation: CICS issues this message when it terminates abnormally.

During initialization, CICS may not have access to the user's *applid* coded in the SIT. If CICS produces this message in these circumstances, it uses the default *applid* value DBDCCICS.

System Action: The abnormal termination of CICS continues. The kernel returns control to the operating system by issuing a user 1800 abend.

The original error which caused the abnormal termination may also have produced a dump. No specific dump is produced to accompany this message.

User Response: If a dump is produced, check the dump to determine the cause of the error. Use the *CICS Problem Determination Guide* to assist you to determine the problem.

If no dump is produced, check for other CICS and MVS messages and abend codes to help you to determine the cause of the problem.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHKESIP

DFHLDxxxx messages

DFHLD0001 *applid* **An abend (code** *aaa/bbbb***) has occurred at offset** *X'offset'* **in module** *modname***.**

Explanation: An unexpected program check or abend occurred with abend code *aaa/bbbb*.

The program status word (PSW) at the time of the program check or abend indicated that CICS was executing at offset X'*offset*' in module *modname*. This may have been caused by corruption of CICS code or control blocks.

System Action: A system dump is taken and the system attempts to continue operation unless otherwise directed by entries in the dump table.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Investigate the cause of the program check or abend using the system dump and any previously output diagnostic information provided by CICS, the access methods, or the operating system.

You may need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Modules: DFHLDDM, DFHLDDMI, DFHLDLD, DFHLDLD1, DFHLDLD2, DFHLDLD3, DFHLDNT, DFHLDST

XMEOUT Parameters: *applid, aaa/bbbb, X'offset', modname*

DFHLD0002 *applid* **A severe error (code** *X'code***) has occurred in module** *modname***.**

Explanation: The loader has received an unexpected error response from some other part of CICS or an operating system service. The operation requested by the loader is described by code X'*code*'.

For further information about CICS exception trace entries, refer to the *CICS Problem Determination Guide*.

System Action: A system dump is taken and the system attempts to continue operation unless specifically inhibited by dump table entries.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Investigate the cause of the problem as follows:

1. Determine if the problem can be explained by any previous messages output from some other part of CICS.
2. Examine the symptom string.
3. Examine the dump.

Destination: Console

Modules: DFHLDDM, DFHLDDMI, DFHLDLD, DFHLDLD1, DFHLDLD2, DFHLDLD3, DFHLDNT, DFHLDST

XMEOUT Parameters: *applid, X'code', modname*

DFHLD0004 *applid* **A possible loop has been detected at offset** *X'offset'* **in module** *modname***.**

Explanation: CICS has detected what it believes to be a code execution loop. At the time execution was interrupted, the program status word (PSW) indicated the next instruction address would have been at offset X'*offset*' in module *modname*.

System Action: CICS is terminated with a system dump unless dump table options specifically prevent this.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Investigate the existence of a previous error situation which may have led to corruption of CICS control blocks or to the non-completion of an expected event. If there is no evidence of a previous error, you will need further assistance from IBM to resolve the problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Modules: DFHLDDM, DFHLDDMI, DFHLDLD, DFHLDLD1, DFHLDLD2, DFHLDLD3, DFHLDNT, DFHLDST

XMEOUT Parameters: *applid, X'offset', modname*

DFHLD0101I *applid* **CICS nucleus module** *modname* **not found.**

Explanation: The CICS loader (LD) was unable to locate a copy of module *modname* in either the link pack area (LPA) in or the DFHRPL library concatenation.

System Action: A system dump is taken and CICS execution continues unless specifically inhibited by a dump table entry.

User Response: This message is followed by one or more messages informing the user of reduced function availability due to the missing module *modname*.

Ensure that there is a copy of module *modname* in the LPA and/or in a library within the DFHRPL concatenation.

If module was expected to be in the LPA, ensure CICS is utilizing LPA resident modules by specifying LPA=YES as a start up override.

Destination: Console

Module: DFHLDDMI

XMEOUT Parameters: *applid, modname*

DFHLD0102 *applid* **Unable to declare gate** *ff* **for module** *modname***.**

Explanation: As part of its initialization, the CICS loader has attempted to define domain gate *ff* for module *modname*, but has received a bad response.

System Action: A system dump is taken and CICS execution continues unless specifically inhibited by a dump table entry.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: This message diagnoses an internal error within CICS. Investigate whether previous errors have left CICS in a damaged state. If there is no evidence of previous serious errors, you will need further assistance from IBM to resolve the problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Module: DFHLDDMI

XMEOUT Parameters: *applid, ff, modname*

DFHLD0103I *applid* **Module Storage Compression OFF. All modules are USAGE=TRANSIENT.**

Explanation: This message is normally preceded by either message DFHLD0101 or DFHLD0102 and indicates that the loader (LD) domain was unable to initialize its dynamic program storage compression facility.

System Action: CICS execution continues but all nonresident application programs are treated as if they had been defined with the USAGE=TRANSIENT option. Therefore they are removed from storage the moment their use count reaches zero.

For some functions, this can lead to a performance degradation as programs may be loaded many times during the life of a transaction instead of only once.

User Response: Investigate the reasons for the previous problem concerning module DFHLDNT as diagnosed by either message DFHLD0101 or DFHLD0102.

Destination: Console

Module: DFHLDDMI

XMEOUT Parameter: *applid*

DFHLD0104I *applid* **Module Statistics are not being collected.**

Explanation: This message is normally preceded by either message DFHLD0101 or DFHLD0102 and indicates that the loader (LD) domain was unable to initialize it's statistics collection module.

System Action: CICS execution continues but no module statistics will be collected.

User Response: Investigate the reasons for the previous problem concerning module DFHLDST as diagnosed by either message DFHLD0101 or DFHLD0102.

Destination: Console

Module: DFHLDDMI

XMEOUT Parameter: *applid*

DFHLD0105 *applid* **Restart of Loader Option Block (LOB) failed. System defaults in use.**

Explanation: The initialization of the CICS loader has detected one or more invalid parameters in the loader option block (LOB) recovered from the local catalog.

This may indicate that corruption of the local catalog has occurred.

System Action: A system dump is taken and CICS execution continues unless specifically inhibited by a dump table option.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Investigate the possibility of corruption of the local catalog. If you suspect that the local catalog is corrupt, reinitialize it and resubmit the CICS job.

Destination: Console

Module: DFHLDDM

XMEOUT Parameter: *applid*

DFHLD0106 *applid* **Bad response** *X'resp'* **returned on an OPEN of DFHRPL.**

Explanation: The CICS loader has attempted to open the DFHRPL library concatenation during initialization and has received the response code *resp*.

System Action: CICS execution continues although only link pack area (LPA) resident modules are accessible.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Ensure the DFHRPL concatenation is correctly specified in the JCL and that the libraries specified in it are operational. The response code returned may be interpreted as for a BSAM open request.

Destination: Console

Module: DFHLDDM

XMEOUT Parameters: *applid, X'resp'*

DFHLD0107I *applid modname1* **is unable to locate module** *modname2* **in the LPA. DFHRPL version of module will be used.**

Explanation: The user has specified the system initialization parameter LPA=YES. Module *modname2* is either defined as USELPACOPY=YES via RDO or is a CICS PCLASS=SYSTEM module. CICS has been unable to find *module2* in the link pack area (LPA).

System Action: CICS execution continues with an attempt to locate module *modname2* in the CICS program library DFHRPL.

User Response: carry out one of the following:

- Load module *modname2* into the LPA, if this is required and the module is LPA eligible (refer to the *CICS Transaction Server for OS/390 Installation Guide* for LPA eligibility of CICS modules).
- Code PRVMOD=*modname2* as a SIT option which ensures that CICS will not search the LPA for that module.
- Code LPA=NO as a system initialization parameter. This ensures that CICS does not search the LPA for any module.
- Inhibit this message from all or selected consoles using the MVS VARY command. For more information on how to do this, refer to the *CICS Transaction Server for OS/390 Installation Guide*.

Destination: Console Routecode 11

Modules: DFHLDDMI, DFHLDLD1

XMEOUT Parameters: *applid, modname1, modname2*

DFHLD0108I *applid* **The maximum of 32767 entries that CICS allows on a BLDL has been exceeded.**

Explanation: During a warm or emergency restart, the loader domain has detected more than 32767 modules eligible for BLDL.

System Action: A BLDL macro call is issued to locate the first 32767 modules and the rest are ignored. CICS initialization continues normally.

This is not a problem because CICS attempts to locate those modules not located during initialization when the module is first used.

User Response: None.

Destination: Console

Module: DFHLDDMI

XMEOUT Parameter: *applid*

DFHLD0201 *applid* **Corrupt Loader** *load* **structure detected at** *X'address'***. Module marked as unavailable.**

Explanation: During the execution of a CICS loader request, the loader detected an invalid field in the control block type *tttt* at storage address *address*.

System Action: A system dump is taken and execution continues unless specifically inhibited by a dump table option.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Investigate the possibility of corruption of CICS modules or control blocks or the local or global catalogs.

Destination: Console

Module: DFHLDLD1

XMEOUT Parameters: *applid, load, X'address'*

DFHLD0202 *applid* **Loader SVC** *svc* **request failed due to shortage of free storage in the region.**

Explanation: The loader domain has issued a request to its CICS SVC service routine, DFHLDSVC, but the execution of this request failed due to a lack of free storage in the MVS region. The type of request is indicated by *svc*.

System Action: A system dump will be taken unless specifically suppressed through a dump table entry and the system will continue execution. The task requesting loader services will be abnormally terminated with abend code APCT, or a PGMIDERR condition will be raised.

User Response: Ensure there is adequate free storage in the MVS region by balancing the overall size limits of the DSAs or EDSAs with the size of the MVS region specified by the REGION parameter on the job card of the CICS job JCL.

Destination: Console

Module: DFHLDLD1

XMEOUT Parameters: *applid, svc*

DFHLD0203 *applid* **Loader SVC** *svc* **request failed due to I/O errors on library DFHRPL.**

Explanation: The loader domain has issued a request to its CICS SVC service routine, DFHLDSVC, but the execution of this request failed due to I/O errors on the relocatable library, DFHRPL. The type of request is indicated by *svc*.

System Action: A system dump is taken unless specifically suppressed through a dump table entry and the system continues execution. The task requesting loader services is abnormally terminated with abend code APCT, or a PGMIDERR condition is raised.

User Response: Investigate the possible causes of the I/O errors encountered. The MVS system console log may contain more information about the problem in the form of access method or I/O subsystem messages. The loader domain exception trace entries, from the full trace, in the system dump normally identify the module or modules for which the I/O error occurred.

A possible cause of this problem is the compression of a partition data set (PDS) within the DFHRPL concatenation.

Destination: Console

Module: DFHLDLD1

XMEOUT Parameters: *applid, svc*

DFHLD0204 *applid* **Bad Loader PDB for module** *modname* **recovered from the** *{Local | Global}* **catalog. Corruption suspected.**

Explanation: The loader definition record, PDB, for module *modname* has been read from either the local (DFHLCD) or the global (DFHGCD) catalog during startup and has been found to contain invalid data.

System Action: System initialization terminates with a system dump, unless the dump is specifically suppressed. If the system dump is suppressed, the module definition is ignored.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Ensure the specified catalog data set has not been corrupted and is available to the CICS job.

Destination: Console

Modules: DFHLDDMI, DFHLDLD

XMEOUT Parameters: *applid, modname, {1=Local, 2=Global}*

DFHLGxxxx messages

DFHLG0001 *applid* **An abend (code** *aaa/bbbb***) has occurred at offset** *X'offset'* **in module** *modname***.**

Explanation: An abnormal end (abend) or program check has occurred in module *modname*. This implies that there may be an error in the CICS code. Alternatively, unexpected data has been input, or storage has been overwritten.

The code *aaa/bbbb* is a 3-digit hexadecimal MVS code (if applicable), followed by a 4-digit alphanumeric CICS code. The MVS code is a system completion code (for example, 0C1 or D37). If an MVS code is not applicable, this field is filled with three hyphens. The CICS code is an abend code or a number referring to a CICS message (for example, AKEA is a CICS abend code; 1310 refers to message DFHTS1310).

System Action: An exception entry is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS continues unless you have specified in the dump table that CICS should terminate. If appropriate, an error return code is sent to the caller of this domain. In this case CICS could be terminated by the caller (for example, the domain manager, DFHDMDM). A message is issued to this effect.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Notify the system programmer. If CICS is still running, it is necessary to decide whether to terminate CICS.

Look up the MVS code, if there is one, in the relevant MVS codes manual.

Next, look up the CICS alphanumeric code. This tells you, for example, whether the error was a program check, an abend, or a runaway, and may give you some guidance concerning user response.

If module *modname* is not crucial to the running of your CICS system, you may decide to continue and bring CICS down at a convenient time to resolve the problem.

If you cannot continue without the full use of module *modname* you should bring CICS down in a controlled shutdown.

You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Modules: DFHLGDM, DFHLGGL, DFHLGLD, DFHLGJN, DFHLGST DFHL2HS2, DFHL2HS3, DFHL2HS4, DFHL2HS5, DFHL2HS6, DFHL2HS7, DFHL2HS8, DFHL2HS9, DFHL2HSF, DFHL2HSG, DFHL2HSJ

XMEOUT Parameters: *applid, aaa/bbbb, X'offset', modname*

DFHLG0002 *applid* **A severe error (code** *X'code'***) has occurred in module** *modname***.**

Explanation: An error has been detected in module *modname*. The code X'*code*' is the exception trace point ID which uniquely identifies what the error is and where the error was detected.

System Action: An exception entry (code X'*code*' in the message) is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS continues unless you have specified in the dump table that CICS should terminate. If appropriate, an error return code is sent to the caller of this domain. In this case, CICS could be terminated by the caller (for example, the domain manager, DFHDMDM). A message is issued to this effect.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: This indicates a possible error in CICS code. The severity of its impact depends on the importance of the function being executed at the time of the error.

CICS may not have been terminated. If the message occurs once and module *modname* is not crucial to the running of your CICS system, you may decide to continue and bring CICS down at a convenient time to resolve the problem.

If the message recurs or if you cannot continue without the full use of module *modname*, you should bring CICS down in a controlled shutdown.

You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Modules: DFHLGDM, DFHLGGL, DFHLGLD, DFHLGJN, DFHLGST

XMEOUT Parameters: *applid, X'code', modname*

DFHLG0004 *applid* **A possible loop has been detected at offset** *X'offset'* **in module** *modname***.**

Explanation: A CICS function is taking more time to process than CICS expects. A possible loop has been detected in module *modname* at offset X'*offset*'. This is the offset of the instruction which was executing at the time the error was detected.

System Action: An exception entry is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS continues unless you have specified in the dump table that CICS should terminate. If appropriate, an error return code is sent to the caller of this domain. In this case CICS could be terminated by the caller (for example, the domain manager, DFHDMDM). A message is issued to this effect.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Notify the system programmer. If CICS has not been terminated, it is necessary to decide whether the problem is serious enough to bring CICS down.

Since some CICS functions can use a lot of processor time, this message may have been caused by a long-running function. So there may not be an error here. Usually, CICS purges a CICS function which exceeds the runaway task time interval which you have specified in the SIT (this is the ICVR which is measured in milliseconds). This means that module *modname* in the message is terminated and CICS continues.

But if you have declared ICVR=0 in the SIT and you consider that module *modname* has gone into a loop, you have to terminate CICS in order to terminate the runaway function.

If CICS has terminated module *modname*, and you consider that it was not a runaway, you should increase the ICVR time interval in the SIT. You have to bring CICS down at a suitable time to do this permanently, but you can change the ICVR time interval temporarily online, using the CEMT transaction.

If raising the ICVR time does not solve the problem, you will need further assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Module: DFHLGLB

XMEOUT Parameters: *applid, X'offset', modname*

DFHLG0101I *applid* **Log manager domain initialization has started.**

Explanation: This is an informational message indicating the start of log manager domain initialization.

System Action: Initialization continues.

User Response: None. You can suppress this message with the system initialization parameter, MSGLVL=0.

Destination: Console

Module: DFHLGDM

XMEOUT Parameter: *applid*

DFHLG0102I *applid* **Log manager domain initialization has ended.**

Explanation: This is an informational message indicating the end of log manager domain initialization.

System Action: Initialization continues.

User Response: None. You can suppress this message with the system initialization parameter, MSGLVL=0.

Destination: Console

Module: DFHLGDM

XMEOUT Parameter: *applid*

DFHLG0103I *applid* **System log (***journalname***) initialization has started.**

Explanation: This is an informational message indicating the start of system log initialization for the specified journal (either DFHLOG or DFHSHUNT).

System Action: Initialization continues.

User Response: None. You can suppress this message with the system initialization parameter, MSGLVL=0.

Destination: Console

Module: DFHL2SLN

XMEOUT Parameters: *applid, journalname*

DFHLG0104I *applid* **System log (***journalname***) initialization has ended. Log stream** *logstreamname* **is connected to structure** *structurename***.**

Explanation: This is an informational message indicating the end of system log initialization for the specified journal (either DFHLOG or DFHSHUNT).

The name shown as LOGSTREAMNAME(logstreamname) in the message is the name of the log stream associated with this journal. A value of '**********' implies that it is a dummy log.

The name shown as STRUCTNAME(structname) in the message is the structure name of the log stream associated with this journal. A value of '**********' implies that it has no related structure, which means that either the log stream is a dummy log or of type DASDONLY(YES).

System Action: Initialization continues.

User Response: None. You can suppress this message with the system initialization parameter, MSGLVL=0.

Destination: Console

Module: DFHL2SLN

XMEOUT Parameters: *applid, journalname, logstreamname, structurename*

DFHLG0191 *subsys-name {CONVERTER | ALLOCATION}* **VERIFICATION HAS FAILED BECAUSE OF A** *{SEVERE ERROR | SYNTAX ERROR | MUTUAL EXCLUSION FAILURE}*

Explanation: A parse error was encountered while CICS was verifying the SUBSYS options of the application's JCL DD statement.

The message includes the following inserts:

- *subsys_name* - the installation defined subsystem name for the system logger.
- *CONVERTER* - the error was detected during MVS JCL conversion.
- *ALLOCATION* - the error was detected during MVS allocation processing.
- *SEVERE ERROR* - the parser encountered a severe error during its processing.
- *SYNTAX ERROR* - the statement failed the syntax check. MVS message ASA104I is issued specifying the keyword in error and acceptable keywords.
- *MUTUAL EXCLUSION FAILURE* - the parser encountered mutually exclusive keywords. MVS message ASA103I is issued specifying the keywords in error.

System Action: If the error was detected during MVS JCL conversion, the job is not executed because of the JCL error.

If the error was detected during MVS allocation processing, the allocation request is rejected.

User Response: Correct the SUBSYS= specification and resubmit the job.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Modules: DFHLGIPI, DFHLGIMS

DFHLG0192 ERROR IN MVS LOGGER MACRO *macro_name* **FOR REQUEST** *request_type***. MVS LOGGER CODES X'**_X'return-code'_ **X'**_X'reason-code'_

Explanation: The CICS subsystem exit made a call to the MVS logger to access a log. This message gives the return code and reason code for that operation. Usually this message is issued only when the return code indicates an error in the MVS logger macro.

The message includes the following inserts:

- *macro_name* MVS logger macro
- *request_type* MVS logger macro REQUEST parameter
- *return-code* MVS logger macro return code
- *reason-code* MVS logger macro reason code.

For further guidance, see the *OS/390 MVS Programming: Assembler Services Reference*.

System Action: The subsystem exit terminates the logstream read, and passes a return code back to the caller.

This message is followed by message DFHLG0193 which specifies the logstream. In some cases a dump is also produced.

User Response: Use the MVS logger return and reason codes to diagnose the problem. If you cannot resolve the problem or the problem recurs, there may be a more severe error. In this case, you will need assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Modules: DFHLGSSI, DFHLGIGT

DFHLG0193 *log-stream-name*

Explanation: This message gives the logstream referred to in the preceding DFHLG0192 message.

System Action: See message DFHLG0192.

User Response: See message DFHLG0192.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Modules: DFHLGSSI, DFHLGIGT

DFHLG0194 ERROR DETECTED BY CICS SUBSYSTEM.
error-description X'data1' X'data2' X'data3'

Explanation: The CICS subsystem exit detected an unexpected error. The error is described by the *error-description* and optional hex data fields.

In some cases a dump is also produced.

System Action: The subsystem exit terminates the logstream read, and passes a return code back to the caller. If DELETE was specified as on option on the SUBSYS keyword then it will be ignored.

User Response: Use the *error-description* to identify the cause of the error. A possible cause is an invalid logstream or invalid entries within a valid logstream; the CICS logger and DFHJUP work only with CICS logstreams containing CICS records for the appropriate release.

If you cannot resolve the problem or the problem recurs, there may be a more severe error. In this case, you will need assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Modules: DFHLGSSI, DFHLGIGT

DFHLG0301 *date time applid* **An error has been detected for log stream** *stream* **for journal name** *journalname***. The journal status has been set to FAILED.**

Explanation: An error has been detected for log stream *stream* which is used by journal *journalname*.

System Action: An exception entry is made in the trace table.

CICS marks the journal as failed and ends the associated connection with the log stream. Applications which attempt to use the journal receive an IOERROR response and may terminate abnormally.

User Response: Notify the system programmer. If CICS is still running, it is necessary to decide whether to terminate CICS.

See the associated messages issued by CICS or the MVS system logger for more information and for guidance about appropriate recovery actions.

If journal *journalname* is not crucial to the running of your CICS system, you may decide to continue.

If the problem with the log stream can be resolved, use of the journal can be restored by issuing SET JOURNALNAME(*journalname*) ACTION(RESET) via the CEMT or EXEC CICS interfaces.

If you cannot continue without the full use of journal *journalname* you should bring CICS down in a controlled shutdown.

Destination: CSMT

Module: DFHLGJN

XMEOUT Parameters: *date, time, applid, stream, journalname*

DFHLG0302 *date time applid* **Journal name** *journalname* **has been installed. Journal type:** *{MVS | SMF | DUMMY}stream***.**

Explanation: Journal name *journalname* has been installed and is available for use. The type of journal, and for type MVS only, the log stream name *stream* are also shown.

System Action: An event entry is made in the trace table.

User Response: None

Destination: CRDI

Module: DFHLGJN

XMEOUT Parameters: *date, time, applid, journalname, {1=MVS , 2=SMF, 3=DUMMY}, stream*

DFHLG0303 *date time applid* **An error has been detected while connecting to log stream** *stream* **for journal name** *journalname***. The journal status has been set to FAILED.**

Explanation: An error has been detected connecting to log stream *stream* which is used by journal *journalname*.

System Action: An exception entry is made in the trace table.

CICS marks the journal as failed. Applications which attempt to use the journal receive an IOERROR response and may terminate abnormally.

User Response: Notify the system programmer.

See the associated messages issued by CICS or the MVS system logger for more information and for guidance about appropriate recovery actions.

If CICS is still running, it is necessary to decide whether to terminate CICS.

If journal *journalname* is not crucial to the running of your CICS system, you may decide to continue.

If the problem with the log stream can be resolved, use of the journal can be restored by issuing the CEMT or EXEC CICS command SET JOURNALNAME(*journalname*) ACTION(RESET).

If you cannot continue without the full use of journal *journalname* you should bring CICS down in a controlled shutdown.

Destination: CSMT

Module: DFHLGJN

XMEOUT Parameters: *date, time, applid, stream, journalname*

DFHLG0304 *date time applid* **An error has been detected writing the catalog entry for journal name** *journalname***.**

Explanation: An error has been detected writing the global catalog entry for journal *journalname*.

System Action: An exception entry is made in the trace table.

The new journal entry is used for this CICS run but does not persist over a CICS restart

User Response: Notify the system programmer.

See the associated CICS messages for more information, and for guidance about appropriate recovery actions.

If you cannot continue without the full use of journal *journalname*, you should bring CICS down in a controlled shutdown.

Destination: CSMT

Module: DFHLGJN

XMEOUT Parameters: *date, time, applid, journalname*

DFHLG0305 *date time applid* **An error has been detected deleting the catalog entry for journal name** *journalname***.**

Explanation: An error has been detected deleting the global catalog entry for journal *journalname*.

System Action: An exception entry is made in the trace table.

The old journal entry could not be discarded and may reappear after a CICS restart

User Response: Notify the system programmer.

See the associated CICS messages for more information and for guidance about appropriate recovery actions.

If you cannot continue without the full use of journal *journalname*, you should bring CICS down in a controlled shutdown.

Destination: CSMT

Module: DFHLGJN

XMEOUT Parameters: *date, time, applid, journalname*

DFHLG0306 *date time applid* **Journal name** *journalname* **has been discarded.**

Explanation: Journal name *journalname* has been discarded and is no longer available for use.

Future attempts to use the journal name will cause it to be reinstalled using the journal model definitions active at that time.

System Action: An event entry is made in the trace table.

User Response: None.

Destination: CRDI

Module: DFHLGJN

XMEOUT Parameters: *date, time, applid, journalname*

DFHLG0401 *date time applid* **Journal model resource** *journalmodel* **has been installed.**

Explanation: The journal model resource entry *journalmodel* has been installed and is available for use.

System Action: An event entry is made in the trace table.

User Response: None.

Destination: CRDI

Module: DFHLGLD

XMEOUT Parameters: *date, time, applid, journalmodel*

DFHLG0402 *date time applid* **An error has been detected writing the catalog entry for journal model** *journalmodel***.**

Explanation: An error has been detected writing the global catalog entry for journal model *journalmodel*.

System Action: An exception entry is made in the trace table.

The new journal model entry is used for this CICS run but does not persist over a CICS restart

User Response: Notify the system programmer.

See the associated CICS messages for more information and for guidance about appropriate recovery actions.

If you cannot continue without the full use of journal model *journalmodel* you should bring CICS down in a controlled shutdown.

Destination: CSMT

Module: DFHLGLD

XMEOUT Parameters: *date, time, applid, journalmodel*

DFHLG0403 *date time applid* **An error has been detected deleting the catalog entry for journal model** *journalmodel***.**

Explanation: The deletion of the global catalog entry for journal model *journalmodel* has failed.

System Action: An exception entry is made in the trace table.

The old journal model entry could not be deleted and may reappear after a CICS restart

User Response: Notify the system programmer.

See the associated CICS messages for more information and for guidance about appropriate recovery actions.

If you cannot continue without the full use of journal model *journalmodel* you should bring CICS down in controlled shutdown.

Destination: CSMT

Module: DFHLGJN

XMEOUT Parameters: *date, time, applid, journalmodel*

DFHLG0404 *date time applid* **Journal model resource** *journalmodel1* **has been replaced by** *journalmodel2***.**

Explanation: A journal model resource entry has been replaced because journal model *journalmodel2* has the same journal name template as *journalmodel1*.

System Action: An event entry is made in the trace table.

User Response: None.

Destination: CRDI

Module: DFHLGLD

XMEOUT Parameters: *date, time, applid, journalmodel1, journalmodel2*

DFHLG0405 *date time applid* **Journal model** *journalmodel* **has been discarded.**

Explanation: Journal model *journalmodel* has been discarded and is no longer available for use.

System Action: An event entry is made in the trace table.

User Response: None.

Destination: CRDI

Module: DFHLGLD

XMEOUT Parameters: *date, time, applid, journalmodel*

DFHLG0501 *date time applid* **Log stream definition for** *stream* **suppressed by XLGSTRM user exit.**

Explanation: MVS log stream *stream* does not exist but could not be defined because the XLGSTRM user exit suppressed automatic installation.

System Action: An exception entry is made in the trace table.

CICS cannot define or connect to the log stream. Applications attempting to use the stream receive an error response and may terminate abnormally.

User Response: Notify the system programmer. If CICS is still running, it is necessary to decide whether to terminate CICS.

Define the log stream directly to the MVS system logger.

If stream *stream* is not crucial to the running of your CICS system, you may decide to continue.

If the problem with the log stream can be resolved, use of an associated journal can be restored by issuing SET JOURNALNAME(*journalname*) ACTION(RESET) via the CEMT or EXEC CICS interfaces. If the log stream is a data set forward recovery log or autojournal, reopen the associated data sets.

If you cannot continue without the full use of log stream *stream*, you should bring CICS down in a controlled shutdown.

Destination: Console and Transient Data Queue CRDI

Module: DFHLGST

XMEOUT Parameters: *date, time, applid, stream*

DFHLG0502 *date time applid* **Log stream** *stream* **defined to MVS using model stream** *model***.**

Explanation: MVS log stream *stream* did not exist and has been successfully defined to the MVS system logger using the attributes of model log stream *model*.

System Action: An event entry is made in the trace table.

CICS connects and uses the newly defined log stream.

User Response: None.

Destination: CRDI

Module: DFHLGST

XMEOUT Parameters: *date, time, applid, stream, model*

DFHLG0503 *date time applid* **Log stream** *stream***, using model stream** *model***, not defined to MVS for reason** *X'rc'X'reason'***.**

Explanation: MVS log stream *stream* does not exist and could not be defined to the MVS system logger using the attributes of model log stream *model* for reason X'*rc*'/X'*reason*'.

X'*rc*' is the return code from the IXGINVNT macro and X'*reason*' is the reason code returned by the IXGINVNT macro. These are described in the *OS/390 MVS Programming: Assembler Services Reference* and in the IXGCON macro.

System Action: An event entry is made in the trace table. The trace entry contains additional diagnostic information from the system logger answer area (IXGANSAA).

CICS cannot define or connect to the log stream so applications which attempt to use the stream receive an error response and may terminate abnormally.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Notify the system programmer. If CICS is still running, it is necessary to decide whether to terminate CICS.

If stream *stream* is not crucial to the running of your CICS system, you may decide to continue.

You can define the log stream directly to the MVS system logger using the MVS log stream definition utility (IXCMIAPU).

If the problem with the log stream can be resolved, use of an associated journal can be restored by issuing SET JOURNALNAME(*journalname*) ACTION(RESET) via the CEMT or EXEC CICS interfaces. If the log stream is a data set forward recovery log or autojournal, the associated data sets should be reopened.

If you cannot continue without the full use of log stream *stream* you should bring CICS down in a controlled shutdown. You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: Console and Transient Data Queue CSMT

Module: DFHLGST

XMEOUT Parameters: *date, time, applid, stream, model, X'rc', X'reason'*

DFHLG0504 *date time applid* **Log stream** *stream* **using model stream** *model* **not defined to MVS due to insufficient authority.**

Explanation: MVS log stream *stream* does not exist and could not be defined to the MVS system logger using the attributes of model log stream *model* because of insufficient authority.

To define a log stream CICS requires the following authority:

- ALTER authority to *stream* in the LOGSTRM class,
- UPDATE authority to *model* in the LOGSTRM class,
- UPDATE authority to resource IXLSTR.structure_name in the FACILITY class if the XLGSTRM exit supplies a structure name.

System Action: An event entry is made in the trace table.

CICS cannot define or connect to the log stream so applications which attempt to use the stream receive an error response and may terminate abnormally.

User Response: Notify the system programmer. If CICS is still running, it is necessary to decide whether to terminate CICS.

If stream *stream* is not crucial to the running of your CICS system, you may decide to continue.

You can define the log stream directly to the MVS system logger using the MVS log stream definition utility (IXCMIAPU).

If the problem with the log stream can be resolved, use of an associated journal can be restored by issuing SET JOURNALNAME(*journalname*) ACTION(RESET) via the CEMT or EXEC CICS interfaces. If the log stream is a data set forward recovery log or autojournal, reopen the associated data sets.

If you cannot continue without the full use of log stream *stream* you should bring CICS down in a controlled shutdown.

Destination: Console and Transient Data Queue CSMT

Module: DFHLGST

XMEOUT Parameters: *date, time, applid, stream, model*

DFHLG0505 *date time applid* **Log stream** *stream* **using model stream** *model* **not defined to MVS because of an invalid HLQ parameter.**

Explanation: MVS log stream *stream* does not exist and could not be defined to the MVS system logger using the attributes of model log stream *model* because of an invalid high level qualifier (HLQ) parameter.

The HLQ parameter specifies the high level qualifier to be used for log stream data sets.

System Action: An event entry is made in the trace table.

CICS cannot define or connect to the log stream. Applications which attempt to use the stream receive an error response and may terminate abnormally.

User Response: Notify the system programmer. If CICS is still running, it is necessary to decide whether to terminate CICS.

If stream *stream* is not crucial to the running of your CICS system, you may decide to continue.

Correct the HLQ parameter in the *model* logger definition or the XLGSTRM exit, or both.

You can define the log stream directly to the MVS system logger using the MVS log stream definition utility (IXCMIAPU).

If the problem with the log stream can be resolved, use of an associated journal can be restored by issuing SET JOURNALNAME(*journalname*) ACTION(RESET) via the CEMT or EXEC CICS interfaces. If the log stream is a data set forward recovery log or autojournal, the associated data sets should be reopened.

If you cannot continue without the full use of log stream *stream*, you should bring CICS down in a controlled shutdown.

Destination: Console and Transient Data Queue CSMT

Module: DFHLGST

XMEOUT Parameters: *date, time, applid, stream, model*

DFHLG0506 *date time applid* **Log stream** *stream* **using model stream** *model* **not defined to MVS because of insufficient LOGR couple data set space.**

Explanation: MVS log stream *stream* does not exist and could not be defined to the MVS system logger using the attributes of model log stream *model* because of insufficient space in the MVS system logger's LOGR couple data set.

System Action: An event entry is made in the trace table.

CICS cannot define or connect to the log stream. Applications which attempt to use the stream receive an error response and may terminate abnormally.

User Response: Notify the system programmer. If CICS is still running, it is necessary to decide whether to terminate CICS.

If stream *stream* is not crucial to the running of your CICS system, you may decide to continue.

Redefine the MVS system logger's LOGR couple data set to contain space for this log stream and for future requirements.

You can define the log stream directly to the MVS system logger using the MVS log stream definition utility (IXCMIAPU).

If the problem with the log stream can be resolved, use of an associated journal can be restored by issuing SET JOURNALNAME(*journalname*) ACTION(RESET) via the CEMT or EXEC CICS interfaces. If the log stream is a data set forward recovery log or autojournal, the associated data sets should be reopened.

If you cannot continue without the full use of log stream *stream*, you should bring CICS down in a controlled shutdown.

Destination: Console and Transient Data Queue CSMT

Module: DFHLGST

XMEOUT Parameters: *date, time, applid, stream, model*

DFHLG0507 *date time applid* **Log stream** *stream* **using model stream** *model* **not defined to MVS. Maximum number of streams reached.**

Explanation: MVS log stream *stream* does not exist and could not be defined to the MVS system logger using the attributes of model log stream *model* because the maximum number of log streams for the coupling facility structure has been reached.

The maximum number of streams per structure is specified in the LOGSNUM parameter when defining a structure to the MVS system logger.

System Action: An event entry is made in the trace table.

CICS cannot define or connect to the log stream so applications which attempt to use the stream receive an error response and may terminate abnormally.

User Response: Notify the system programmer. If CICS is still running, it is necessary to decide whether to terminate CICS.

If stream *stream* is not crucial to the running of your CICS system, you may decide to continue.

Change the STRUCTNAME parameter in the *model* logger definition or the XLGSTRM exit to point to a structure that has room for more streams or delete unneeded streams from the current structure.

You can define the log stream directly to the MVS system logger using the MVS log stream definition utility (IXCMIAPU).

If the problem with the log stream can be resolved, you can restore the use of an associated journal by issuing SET JOURNALNAME(*journalname*) ACTION(RESET) via the CEMT or EXEC CICS interfaces. If the log stream is a data set forward recovery log or autojournal, reopen the associated data sets.

If you cannot continue without the full use of log stream *stream*, you should bring CICS down in a controlled shutdown.

Destination: Console and Transient Data Queue CSMT

Module: DFHLGST

XMEOUT Parameters: *date, time, applid, stream, model*

DFHLG0508 *date time applid* **Log stream** *stream* **not defined to MVS because model stream** *model* **does not exist.**

Explanation: MVS log stream *stream* could not be defined to the MVS system logger because the model log stream *model* does not exist.

System Action: An event entry is made in the trace table.

CICS cannot define or connect to the log stream. Applications which attempt to use the stream receive an error response and may terminate abnormally.

User Response: Notify the system programmer. If CICS is still running, it is necessary to decide whether to terminate CICS.

If stream *stream* is not crucial to the running of your CICS system, you may decide to continue.

You can define the log stream directly to the MVS system logger using the MVS log stream definition utility (IXCMIAPU). or you can define the *model* log stream to the MVS logger if there are likely to be more log streams to be defined using the same model.

If the problem with the log stream can be resolved, you can restore the use of an associated journal by issuing SET JOURNALNAME(*journalname*) ACTION(RESET) via the CEMT or EXEC CICS interfaces. If the log stream is a data set forward recovery log or autojournal, reopen the associated data sets.

If you cannot continue without the full use of log stream *stream* you should bring CICS down in a controlled shutdown.

Destination: Console and Transient Data Queue CSMT

Module: DFHLGST

XMEOUT Parameters: *date, time, applid, stream, model*

DFHLG0509 *date time applid* **Log stream** *stream* **using model stream** *model* **not defined to MVS because of an invalid structure name.**

Explanation: MVS log stream *stream* does not exist and could not be defined to the MVS system logger using the attributes of model log stream *model* because of an invalid coupling facility structure name.

System Action: An event entry is made in the trace table.

CICS cannot define or connect to the log stream so applications which attempt to use the stream receive an error response and may terminate abnormally.

User Response: Notify the system programmer. If CICS is still running, it is necessary to decide whether to terminate CICS.

If stream *stream* is not crucial to the running of your CICS system, you may decide to continue.

Correct the STRUCTNAME parameter in the *model* logger definition or the XLGSTRM exit, or both.

You can define the log stream directly to the MVS system logger using the MVS log stream definition utility (IXCMIAPU).

If the problem with the log stream can be resolved, you can restore the use of an associated journal by issuing SET JOURNALNAME(*journalname*) ACTION(RESET) via the CEMT or EXEC CICS interfaces. If the log stream is a data set forward recovery log or autojournal, reopen the associated data sets.

If you cannot continue without the full use of log stream *stream* you should bring CICS down in a controlled shutdown.

Destination: Console and Transient Data Queue CSMT

Module: DFHLGST

XMEOUT Parameters: *date, time, applid, stream, model*

DFHLG0510 *date time applid* **Log stream** *stream* **using model stream** *model* **not defined to MVS because of an invalid stream name.**

Explanation: MVS log stream *stream* does not exist and could not be defined to the MVS system logger using the attributes of model log stream *model* because *stream* is an invalid stream name.

System Action: An event entry is made in the trace table.

CICS cannot define or connect to the log stream so applications which attempt to use the stream receive an error response and may terminate abnormally.

User Response: Notify the system programmer. If CICS is still running, it is necessary to decide whether to terminate CICS.

If stream *stream* is not crucial to the running of your CICS system, you may decide to continue.

Correct the JOURNALMODEL definition used to create the stream name and DISCARD any JOURNAL definitions which refer to the stream name or, if the stream is a VSAM forward recovery log stream, correct the stream name in the VSAM data set's catalog entry.

If the problem with the log stream can be resolved, you can restore the use of an associated journal by issuing SET JOURNALNAME(*journalname*) ACTION(RESET) via the CEMT or EXEC CICS interfaces. If the log stream is a data set forward recovery log or autojournal, reopen the associated data sets.

If you cannot continue without the full use of log stream *stream* you should bring CICS down in a controlled shutdown.

Destination: Console and Transient Data Queue CSMT

Module: DFHLGST

XMEOUT Parameters: *date, time, applid, stream, model*

DFHLG0511 *date time applid* **Log stream** *stream* **using model stream** *model* **not defined to MVS because STRUCTNAME parameter missing in model.**

Explanation: MVS log stream *stream* does not exist and could not be defined to the MVS system logger using the attributes of model log stream *model* because the model log stream definition does not contain the required STRUCTNAME parameter.

System Action: An event entry is made in the trace table.

CICS cannot define or connect to the log stream. Applications which attempt to use the stream receive an error response and may terminate abnormally.

User Response: Notify the system programmer. If CICS is still running, it is necessary to decide whether to terminate CICS.

If stream *stream* is not crucial to the running of your CICS system, you may decide to continue.

Redefine the model log stream in the MVS system logger's LOGR couple data set using the IXCMIAPU utility ensuring the model stream definition contains the **STRUCTNAME(structure_name)** parameter to indicate which coupling facility structure is to be used for the log stream. Alternatively you can use the CICS exit, XLGSTRM, to supply the structure name to the MVS system logger.

You can define the log stream directly to the MVS system logger using the MVS log stream definition utility (IXCMIAPU).

If the problem with the log stream can be resolved, use of an associated journal can be restored by issuing SET JOURNALNAME(*journalname*) ACTION(RESET) via the CEMT or EXEC CICS interfaces. If the log stream is a data set forward recovery log or autojournal, the associated data sets should be reopened.

If you cannot continue without the full use of log stream *stream*, you should bring CICS down in a controlled shutdown.

Destination: Console and Transient Data Queue CSMT

Module: DFHLGST

XMEOUT Parameters: *date, time, applid, stream, model*

DFHLG0512 *date time applid* **Log stream** *stream* **cannot be used as both a system log and a general log.**

Explanation: MVS log stream *stream* cannot be used as both a system log and as a general log.

It is likely that a JOURNALMODEL resource definition has resulted in the same log stream name for a user journal as for the system log journal names (DFHLOG and DFHSHUNT).

Alternatively a system log stream name may have been specified in the ICF catalog as the forward recovery log stream for a VSAM data set.

System Action: CICS cannot connect to the log stream. Applications which attempt to use the stream receive an error response and may terminate abnormally.

User Response: Notify the system programmer. If CICS is still running, it is necessary to decide whether to terminate CICS.

If stream *stream* is not crucial to the running of your CICS system, you may decide to continue.

Review and correct your installed Journalmodels to ensure that the the same log stream is not used for system logs (DFHLOG and DFHSHUNT) as for other journals. Use the CEMT DISCARD JOURNALNAME() command to remove any journals that have been installed with the incorrect stream name.

Note: If you change the Journalmodel definitions which apply to DFHLOG and DFHSHUNT, you will need to perform an initial start.

If the ICF catalog specifies the wrong stream name, use the IDCAMS ALTER command to correct it.

Destination: CSMT

Module: DFHLGST

XMEOUT Parameters: *date, time, applid, stream*

DFHLG0513 *date time applid* **Log stream** *stream* **has failed and new connections cannot be accepted.**

Explanation: MVS log stream *stream* has been marked as failed by a previous error. The stream cannot be used again until all current users of the stream have disconnected and the problem that caused the failure has been resolved.

System Action: CICS cannot connect to the log stream. Applications which attempt to use the stream receive an error response and may terminate abnormally.

CICS continues with attempting to quiesce usage of the log stream and will disconnect from the log stream.

User Response: Notify the system programmer. If CICS is still running, it is necessary to decide whether to terminate CICS.

If stream *stream* is not crucial to the running of your CICS system, you may decide to continue.

CICS should automatically quiesce usage of the log stream but if CEMT INQUIRE STREAM(*stream*) shows continued use of the log stream, you should investigate whether there are any long running transactions that are preventing the closure of files which use the log stream as a forward recovery log or autojournal.

If the problem with the log stream can be resolved, use of an associated journal can be restored by issuing the command SET JOURNALNAME(*journalname*) ACTION(RESET) via the CEMT or EXEC CICS interfaces. If the log stream is a data set forward recovery log or autojournal, the associated data sets should be reopened.

If you cannot continue without the full use of log stream *stream*, you should bring CICS down in a controlled shutdown.

Destination: CSMT

Module: DFHLGST

XMEOUT Parameters: *date, time, applid, stream*

DFHLG0514 *date time applid* **Log stream** *stream* **is in use by another CICS system.**

Explanation: MVS log stream *stream* is in use by another CICS region.

General log streams can be shared between CICS regions but each CICS region must have unique system log streams.

One of the following may have occurred:

- You are running two copies of the CICS region (same APPLID)
- A JOURNALMODEL resource definition has resulted in the same log stream name for a system log as for the system log journal names (DFHLOG and DFHSHUNT) for another CICS region.
- A JOURNALMODEL resource definition has resulted in the same log stream name for a user journal as for the system log journal names (DFHLOG and DFHSHUNT).

- A system log stream name may have been specified in the ICF catalog as the forward recovery log stream for a VSAM data set.

System Action: CICS cannot connect to the log stream. Applications which attempt to use the stream receive an error response and may terminate abnormally.

User Response: Notify the system programmer. If CICS is still running, it is necessary to decide whether to terminate CICS.

If stream *stream* is not crucial to the running of your CICS system, you may decide to continue.

Use the MVS console command DISPLAY GRS,RES=(DFHSTRM,*stream*) to find which other CICS region or regions are using the log stream,

Review and correct your installed Journalmodels to ensure that the the same log stream is not used for system logs (DFHLOG and DFHSHUNT as for other journals. Use the command CEMT DISCARD JOURNALNAME() to remove any journals that have been installed with the incorrect stream name.

Note: If you change the Journalmodel definitions which apply to DFHLOG and DFHSHUNT, you will need to perform an initial start.

If the ICF catalog specifies the wrong stream name, use the IDCAMS ALTER command to correct it.

Destination: Console and Transient Data Queue CSMT

Module: DFHLGST

XMEOUT Parameters: *date, time, applid, stream*

DFHLG0730 *applid* **A severe error (code** *X'code'***) has occurred while opening the system log (***journalname***). CICS will be terminated.**

Explanation: The CICS log manager has detected a severe error while opening the primary or secondary system log. The nature of the error is indicated by a previous CICS message. The code *code* is the exception trace point ID which uniquely identifies the place where the error was detected.

System Action: An exception entry is made in the trace table. A system dump is taken and CICS is terminated immediately. CICS cannot tolerate a failure of this nature for the system log.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Using the previous message as a guide, correct the problem and restart CICS, ensuring that the appropriate SIT START parameter is specified in order to maintain data integrity.

If the error condition persists, you will need assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Module: DFHL2SLN

XMEOUT Parameters: *applid, X'code', journalname*

DFHLG0731 *applid* **A failure has occurred while opening the system log (***journalname***). CICS will be terminated.**

Explanation: The CICS log manager has detected a failure while opening the primary or secondary system log. The nature of the failure is indicated by a previous CICS message.

System Action: An exception entry is made in the trace table, and CICS is terminated immediately. CICS cannot tolerate a failure of this nature for the system log.

User Response: Using the previous message as a guide, correct the problem and restart CICS, ensuring that the appropriate SIT START parameter is specified in order to maintain data integrity.

If you cannot resolve the problem, or the problem recurs, there may be a more severe error. In this case, you will need assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Module: DFHL2SLN

XMEOUT Parameters: *applid, journalname*

DFHLG0733 *applid* **A log stream type of SMF has been requested for the system log (***journalname***). This is not allowed.**

Explanation: A log stream type of SMF has been specified on the JOURNALMODEL definition for either the primary or secondary system log. JOURNALMODEL definitions for the system log must have a log stream type of either MVS or DUMMY.

System Action: An exception entry is made in the trace table and CICS is terminated. CICS can not operate with an SMF system log.

User Response: Change the JOURNALMODEL definition so that a log stream type of either MVS or DUMMY is specified.

Destination: Console

Module: DFHL2SLN

XMEOUT Parameters: *applid, journalname*

DFHLG0734 *applid* **A severe error (code** *X'code'***) has occurred while accessing the CICS system log. CICS will be terminated.**

Explanation: The CICS log manager has detected a severe error while writing to or reading from the primary or secondary system log. The nature of the error is indicated by a previous CICS message. The code *code* is the exception trace point ID which uniquely identifies the place where the error was detected.

System Action: An exception entry is made in the trace table . A system dump is taken and CICS is terminated immediately. CICS cannot tolerate a failure of this nature for the system log.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Using the previous message as a guide, correct the problem and restart CICS, specifying the SIT START parameter as AUTO.

If the error condition persists, you will need assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Module: DFHL2SLE

XMEOUT Parameters: *applid, X'code'*

DFHLG0735 *applid* **A failure has occurred while** *{writing to | reading from}* **the system log (***journalname***). Access to the system log has been lost. CICS will be terminated.**

Explanation: The CICS log manager has detected a failure while writing to or reading from the system log. The nature of the failure is indicated by a previous CICS message, and implies that data on the log has not been lost.

System Action: An exception entry is made in the trace table,

and CICS is terminated immediately. CICS cannot tolerate a failure of this nature for the system log.

User Response: Using the previous message as a guide, correct the problem and restart CICS, ensuring that the appropriate SIT START parameter is specified in order to maintain data integrity.

If you cannot resolve the problem, or the problem recurs, there may be a more severe error. In this case, you will need assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Module: DFHL2SLE

XMEOUT Parameters: *applid, {1=writing to, 2=reading from}, journalname*

DFHLG0736 *applid* **A failure has occurred while reading from the system log (***journalname***). The requested data could not be found. CICS will be quiesced allowing some tasks to complete. Further work requires an initial start.**

Explanation: The CICS log manager is unable to locate previously hardened data when reading from the system log during the dynamic backout of a task. This implies that data on the system log has been lost. The integrity of the system log is therefore suspect.

System Action: No more blocks are written to the system log. CICS is quiesced via a normal shutdown to let as many tasks complete as possible. Any tasks that enter dynamic backout from this point onwards are suspended. If the next CICS start is not an initial start, CICS will terminate before allowing user processing to begin because system log data may have been lost.

User Response: Transactions that failed to complete before shutdown will need to be recovered by other means before starting CICS again.

You may need assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Module: DFHL2SLE

XMEOUT Parameters: *applid, journalname*

DFHLG0737 *applid* **A failure has occurred while writing to the system log (***journalname***). A log record was longer than the maximum block size for the MVS log stream. CICS will be terminated.**

Explanation: The CICS log manager has detected a failure while writing to the system log. An attempt was made to write a log record longer than the maximum block size allowed for the MVS log stream. The size mismatch is indicated by a previous DFHLG0742 message written to the CSMT TD destination.

System Action: An exception entry is made in the trace table, and CICS is terminated immediately. CICS cannot tolerate a failure of this nature for the system log.

User Response: Using the DFHLG0742 message as a guide, define a larger block size for the MVS log stream structure that the system log will use. Then restart CICS, ensuring that the appropriate SIT START parameter is specified in order to maintain data integrity.

Destination: Console

Module: DFHL2SLE

XMEOUT Parameters: *applid, journalname*

DFHLG0738 *applid* **A failure has occurred while reading the system log (***journalname***). The requested data could not be found. CICS will be terminated. Further work requires an initial start.**

Explanation: The CICS log manager is unable to locate previously hardened data when reading from the system log during a restart of CICS. This implies that data on the system log has been lost. The integrity of the system log is therefore suspect.

System Action: No blocks are written to the system log. CICS restart is abandoned. If the next CICS start is not an initial start, CICS will terminate before allowing user processing to begin because system log data may have been lost.

User Response: Incomplete transactions will need to be recovered by other means before starting CICS again.

You may need assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Module: DFHL2SLE

XMEOUT Parameters: *applid, journalname*

DFHLG0739 *applid* **An attempt to start transaction CSQC to perform a normal shutdown of CICS has failed. Perform a normal shutdown of CICS manually.**

Explanation: The CICS log manager attempted to start transaction CSQC to quiesce CICS via a normal shutdown but the attempt was unsuccessful. CICS was being quiesced because the integrity of the system log is suspect.

System Action: An exception entry is made in the trace table, and a system dump is taken. CICS continues processing but any tasks that enter dynamic backout are suspended indefinitely and remain inflight.

User Response: Issue CEMT PERFORM SHUTDOWN to quiesce CICS via a normal shutdown. This lets as many transactions complete as possible. Refer to the explanations for messages DFHLG0736 and DFHLG0740.

Also attempt to establish why transaction CSQC failed to start, and correct the problem. If the error condition persists, you will need assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Module: DFHL2SLE

XMEOUT Parameter: *applid*

DFHLG0740 *applid* **While writing data to the system log (***journalname***), a lost data warning was received. CICS will be quiesced without logging, allowing tasks to complete. Further work requires an initial start.**

Explanation: The CICS log manager received a lost data warning when writing to the system log. This means that one or more blocks of previously hardened data have been lost from the system log. The integrity of the system log is therefore suspect.

System Action: No more blocks are written to the system log. CICS is quiesced via a normal shutdown to let as many tasks complete as possible. Any tasks that enter dynamic backout from this point onwards are suspended. If the next CICS start is not an initial start CICS will terminate before allowing user processing to begin because system log data may have been lost.

User Response: Transactions that failed to complete before shutdown will need to be recovered by other means before starting CICS again.

You may need assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Module: DFHL2SLE

XMEOUT Parameters: *applid, journalname*

DFHLG0741 *applid* **A failure to read data from the system log during dynamic backout has caused task** *tasknum* **to be suspended indefinitely. Tranid** *tranid***, termid** *termid***.**

Explanation: Task *tasknum* with tranid *tranid* running at termid *termid* has been suspended indefinitely. Data required during dynamic backout could not be located on the system log. This message is preceded by message DFHLG0736.

System Action: The task is suspended. CICS in the process of quiescing via a normal shutdown.

User Response: Refer to the message explanation for message DFHLG0736.

Destination: Console

Module: DFHL2SLE

XMEOUT Parameters: *applid, tasknum, tranid, termid*

DFHLG0742 *date time applid* **Log record too long for block. Record size** *rsize* **bytes. Block size** *bsize* **bytes.** *{MVS log stream | SMF journal name}***.**

Explanation: The CICS log manager has detected an attempt to write a log record to an MVS logger log stream or SMF journal where the log record is too long to fit in the maximum block size allowed.

The message indicates the size of the log record and the maximum size of a block for that log stream. The size of the log record includes a CICS record header (up to 200 bytes for system log, 56 bytes otherwise) and any user prefix data. There must also be enough room in the block for a CICS block header (158 bytes for SMF, 52 bytes for system log, 40 bytes otherwise).

System Action: An exception entry is made in the trace table. If the log stream is part of the CICS system log and the log record was not written by a user application or exit program then CICS is terminated. Otherwise an exception is passed back to the caller.

User Response: First establish whether a log record of the indicated size is expected. If the log record was written by a user application or exit program using EXEC CICS WRITE JOURNALNAME or DFHJCJCX WRITE_JOURNAL_DATA, the program could be in error.

If the log record is correct, you should increase the block size for an MVS logger log stream by defining a larger block size for the structure that the log stream will use. For an SMF journal, the block size is fixed at 32756 bytes and cannot be changed.

Destination: CSMT

Modules: DFHL2LB, DFHL2WF, DFHL2CHM

XMEOUT Parameters: *date, time, applid, rsize, bsize, {1=MVS log stream, 2=SMF journalname}*

DFHLG0743 *date time applid* **Tail of log stream** *lsn* **deleted at block id** *X'blockid'***.**

Explanation: The CICS log manager has trimmed the tail of MVS logger log stream *lsn*. All records that occurred before (older) the specified MVS logger block id *blockid* have been deleted.

This occurs during activity keypoint processing when CICS decides it no longer needs records beyond a certain age on a CICS system log log stream.

System Action: CICS continues processing.

User Response: None.

Destination: CSMT

Module: DFHL2CHE

XMEOUT Parameters: *date, time, applid, lsn, X'blockid'*

DFHLG0744 *date time applid* **All records in log stream** *lsn* **have been deleted.**

Explanation: The CICS log manager has deleted all records from MVS logger log stream *lsn*.

This occurs either at CICS startup when the start type is initial, or during activity keypoint processing, when CICS decides it no longer needs any of the records currently on a CICS system log log stream.

System Action: CICS continues processing.

User Response: None.

Destination: CSMT

Modules: DFHL2CC, DFHL2CHE

XMEOUT Parameters: *date, time, applid, lsn*

DFHLG0745I *applid* **System log full scan has started.**

Explanation: The CICS log manager has started the full scan of the system log during startup.

This is a progress message.

System Action: CICS continues processing.

User Response: None. The message can be suppressed with the SIT parameter MSGLVL=0.

Destination: Console

Module: DFHL2CHA

XMEOUT Parameter: *applid*

DFHLG0746 *date time applid* **System log scan trim record found. Primary logstream block id** *X'pblock'***, secondary logstream block id** *X'sblock'***.**

Explanation: The CICS log manager has encountered a trim record during the scan of the system log stream during startup. The primary logstream trim record block id is *pblock*, the secondary logstream trim record block id is *sblock*.

This is an informational message.

System Action: CICS continues processing.

User Response: None.

Destination: CSMT

Module: DFHL2CHN

XMEOUT Parameters: *date, time, applid, X'pblock', X'sblock'*

DFHLG0747I *applid* **System log scan continuing,** *count* **records processed.**

Explanation: The CICS log manager has processed *count* records during the scan of the system logstream at a CICS restart.

The message is produced every 'n' records - where 'n' is half of AKPFREQ or 500, which ever is the greatest.

This is a progress message.

System Action: CICS continues processing.

User Response: None. The message can be suppressed with the SIT parameter MSGLVL=0.

Destination: Console

Modules: DFHL2CHN DFHL2CH4

XMEOUT Parameters: *applid, count*

DFHLG0748I *applid* **System log selective scan has started.**

Explanation: The CICS log manager has started the selective scan of the system log during startup.

This is a progress message.

System Action: CICS continues processing.

User Response: None. The message can be suppressed with the SIT parameter MSGLVL=0.

Destination: Console

Module: DFHL2CHH

XMEOUT Parameter: *applid*

DFHLG0749I *applid* **System log scan has completed.**

Explanation: The CICS log manager has finished the scan of the system log stream during startup.

This is a progress message.

System Action: CICS continues processing.

User Response: None. The message can be suppressed with the SIT parameter MSGLVL=0.

Destination: Console

Module: DFHL2CHL

XMEOUT Parameter: *applid*

DFHLG0750 *applid* **Transaction CSQC has failed to perform a normal shutdown of CICS. Perform a normal shutdown of CICS manually.**

Explanation: Transaction CSQC has failed to quiesce CICS via a normal shutdown because an error was detected. CICS was being quiesced because the integrity of the system log is suspect.

System Action: A system dump is taken. CICS continues processing but any tasks that enter dynamic backout are suspended indefinitely and remain inflight.

User Response: Issue CEMT PERFORM SHUTDOWN to quiesce CICS via a normal shutdown. This lets as many transactions complete as possible. Refer to the explanations for messages DFHLG0736 and DFHLG0740.

Attempt to establish why transaction CSQC failed to quiesce CICS, and correct the problem. If the error condition persists, you will need assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Module: DFHLGQC

XMEOUT Parameter: *applid*

DFHLG0770 *applid* **A severe error has occurred while writing to the SMF log, which was accessed via journal** *jname***. SMF response** *X'resp'***.**

Explanation: The CICS log manager has detected a severe error while writing to the SMF log. This is accessed via journal *jname*. SMF returns the response byte X'*resp*'.

System Action: An exception entry is made in the trace table, a system dump is taken and an exception is returned to the caller.

User Response: Using the SMF response byte, diagnose and correct the problem. If you cannot resolve the problem or the problem recurs, there may be a more severe error. In this case, you will need assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Module: DFHL2LB

XMEOUT Parameters: *applid, jname, X'resp'*

DFHLG0771 *date time applid* **A temporary error condition occurred during MVS logger operation** *{IXGCONN | IXGWRITE | IXGBRWSE | IXGDELET | IXGQUERY }{CONNECT | DISCONNECT | | START | READCURSOR | READBLOCK | END | ALL | RANGE}* **for log stream** *lsn***. MVS logger codes:** *X'ret'***,** *X'rsn'***.**

Explanation: The CICS log manager made a call to the MVS logger to access a log, which returned a temporary error condition. The MVS logger operation that returned the error condition is identified in the message. The return and reason codes shown are those returned by the MVS logger.

For further guidance, see the *OS/390 MVS Programming: Assembler Services Reference*.

System Action: The log manager automatically retries the operation every three seconds while the temporary error condition persists. This message is issued every ten retries following the first/previous issue.

User Response: None. This is a temporary condition.

Destination: CSMT

Modules: DFHL2HS2, DFHL2HS3, DFHL2HS4, DFHL2HS5, DFHL2HS6, DFHL2HS7, DFHL2HS8, DFHL2HS9, DFHL2HSF, DFHL2HSG, DFHL2HSJ

XMEOUT Parameters: *date, time, applid, {1=IXGCONN , 2=IXGWRITE, 3=IXGBRWSE , 4=IXGDELET , 5=IXGQUERY }, {1=CONNECT, 2=DISCONNECT, 3= , 4=START, 5=READCURSOR, 6=READBLOCK, 7=END, 8=ALL, 9=RANGE}, lsn, X'ret', X'rsn'*

DFHLG0772 *applid* **An error has occurred during MVS logger operation** *{IXGCONN | IXGWRITE | IXGBRWSE | IXGDELET }{CONNECT | DISCONNECT | | START | READCURSOR | READBLOCK | END | ALL | RANGE}* **for log stream** *lsn***. MVS logger codes:** *X'ret'***,** *X'rsn'***. Log stream attributes: SYSTEMLOG(***{*YES | NO*}***), DASDONLY(***{*YES | NO*}***), STRUCTNAME(***structname***), RETPD(***X'retpd'***), AUTODELETE(***{*YES | NO*}***).**

Explanation: The CICS log manager made a call to the MVS logger to access a log, which returned an error condition. The

MVS logger operation that returned the error condition is identified in the message, and the return and reason codes shown are those returned by the MVS logger. This is followed by some of the attributes which define the log stream. A structure name of "**********" indicates that no structure is being used by this log stream.

If the error occurred during a log stream connection, these attributes may not have been updated to the correct values for the log stream and should be ignored. These attributes are only valid following a successful connection.

This message may be followed by other CICS messages, especially if the log stream is part of the CICS system log.

This situation can occur when CICS calls the MVS logger using an obsolete log stream connection token, when the MVS logger has been restarted following either a crash or a user request. A restart of the MVS logger implicitly disconnects all connections to it.

For further guidance, see the *OS/390 MVS Programming: Assembler Services Reference*.

System Action: An exception entry is made in the trace table, and a system dump is taken.

The log manager returns an exception condition.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: If the MVS logger was recently restarted, AUTO start CICS. Otherwise use the MVS logger return and reason codes to diagnose the problem. If you cannot resolve the problem or the problem recurs, there may be a more severe error. In this case, you will need assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Modules: DFHL2HS2, DFHL2HS3, DFHL2HS4, DFHL2HS5, DFHL2HS6, DFHL2HS7, DFHL2HS8, DFHL2HS9, DFHL2HSF, DFHL2HSG, DFHL2HSJ

XMEOUT Parameters: *applid, {1=IXGCONN , 2=IXGWRITE, 3=IXGBRWSE , 4=IXGDELET }, {1=CONNECT, 2=DISCONNECT, 3= , 4=START, 5=READCURSOR, 6=READBLOCK, 7=END, 8=ALL, 9=RANGE}, lsn, X'ret', X'rsn', {1=YES, 2=NO}, {1=YES, 2=NO}, structname, X'retpd', {1=YES, 2=NO}*

DFHLG0773 *applid* **A severe error (code** *X'code'***) has occurred while accessing (***{IXGCONN | IXGWRITE | IXGBRWSE | IXGDELET }{CONNECT | DISCONNECT | | START | READCURSOR | READBLOCK | END | ALL | RANGE}***) the log stream** *lsn***.**

Explanation: The CICS log manager has detected a severe error while attempting to access a log. The code X'*code*' is the exception trace point ID which uniquely identifies where the error was detected. This message is preceded by DFHLG0001, and usually followed by other messages.

System Action: An exception entry is made in the trace table. A system dump will have been taken by DFHLG0001. The log manager returns a disaster condition to the caller. If the log is the CICS system log, a forward recovery log or autojournal log, another message is issued. Otherwise a disaster condition is returned to the application program.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Refer to other messages following this message for more information and guidance.

If the error condition persists, you will need assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Modules: DFHL2HS2, DFHL2HS3, DFHL2HS4, DFHL2HS5, DFHL2HS6, DFHL2HS7, DFHL2HS8, DFHL2HS9, DFHL2HSF, DFHL2HSG, DFHL2HSJ

XMEOUT Parameters: *applid, X'code', {1=IXGCONN , 2=IXGWRITE, 3=IXGBRWSE , 4=IXGDELET }, {1=CONNECT, 2=DISCONNECT, 3= , 4=START, 5=READCURSOR, 6=READBLOCK, 7=END, 8=ALL, 9=RANGE}, lsn*

DFHLG0774 *applid* **The MVS logger has returned an alert during operation** *{IXGCONN CONNECT | IXGWRITE }***for logstream** *lsn***. The log stream data set directory is full. MVS logger codes:** *X'ret' X'rsn'***.**

Explanation: The CICS log manager has detected a warning while attempting to access a log stream. The log stream's data set directory is full.

For further guidance, see the *OS/390 MVS Programming: Assembler Services Reference*.

System Action: An exception entry is made in the trace table.

CICS continues normal operation until the current data set of the log stream becomes full. When this happens message DFHLG0772 is issued.

User Response: You should delete data from the log stream tail before the current data set fills up. You may wish to take a copy of the data before deleting it. Alternatively you could use a new log stream, but this may be too disruptive.

Destination: Console

Modules: DFHL2HS2, DFHL2HSF

XMEOUT Parameters: *applid, {1=IXGCONN CONNECT, 2=IXGWRITE }, lsn, X'ret', X'rsn'*

DFHLG0775 *applid* **The MVS logger has returned an alert during operation** *{IXGCONN CONNECT | IXGWRITE }***for log stream** *lsn***. The log stream writer offload task is failing. MVS logger codes:** *X'ret' X'rsn'***.**

Explanation: The CICS log manager has detected a warning while attempting to access a log stream. The writer offload task for the log stream is failing.

For further guidance, see the *OS/390 MVS Programming: Assembler Services Reference*.

System Action: An exception entry is made in the trace table.

CICS can continue normal operation until the log stream's structure becomes full. When this happens DFHLG0772 is issued.

User Response: You should investigate and fix the failing log stream writer offload task, which is part of the MVS logger, before the log stream structure in the coupling facility fills up.

Destination: Console

Modules: DFHL2HS2, DFHL2HSF

XMEOUT Parameters: *applid, {1=IXGCONN CONNECT, 2=IXGWRITE }, lsn, X'ret', X'rsn'*

DFHLG0776 *applid* **The MVS logger has returned an alert during operation IXGWRITE for log stream** *lsn***. The log stream staging data set has failed. MVS logger codes:** *X'ret' X'rsn'***.**

Explanation: The CICS log manager has detected an alert while attempting to access a log stream. The log stream staging data set has failed.

For further guidance, see the *OS/390 MVS Programming: Assembler Services Reference*.

System Action: An exception entry is made in the trace table.

CICS continues normal operation, but the data written to the log stream structure is not being duplexed. Consequently, if the structure (or coupling facility) fails, the data cannot be recovered.

User Response: You are recommended to shutdown CICS as soon as possible. You should investigate and fix the failing log stream, without losing the data.

If the failing log stream is the CICS system log and CICS was shutdown immediately, you should emergency restart CICS in order to recover the inflight transactions.

Destination: Console

Module: DFHL2HSF

XMEOUT Parameters: *applid, lsn, X'ret', X'rsn'*

DFHLG0777 *applid* **A temporary error condition occurred during MVS logger operation** *{IXGCONN | IXGWRITE | IXGBRWSE | IXGDELET | IXGQUERY }{CONNECT | DISCONNECT | | START | READCURSOR | READBLOCK | END | ALL | RANGE}* **for log stream** *lsn***. MVS logger codes:** *X'ret'***,** *X'rsn'***.**

Explanation: The CICS log manager made a call to the MVS logger to access a log, which returned a temporary error condition. The MVS logger operation that returned the error condition is identified in the message. The return and reason codes shown are those returned by the MVS logger.

For further guidance, see the *OS/390 MVS Programming: Assembler Services Reference*.

System Action: The log manager automatically retries the operation every three seconds while the temporary error condition persists. This message is issued every ten retries following the first/previous issue.

User Response: None. This is a temporary condition.

Destination: Console

Modules: DFHL2HS2, DFHL2HS3, DFHL2HS4, DFHL2HS5, DFHL2HS6, DFHL2HS7, DFHL2HS8, DFHL2HS9, DFHL2HSF, DFHL2HSG, DFHL2HSJ

XMEOUT Parameters: *applid, {1=IXGCONN , 2=IXGWRITE, 3=IXGBRWSE , 4=IXGDELET , 5=IXGQUERY }, {1=CONNECT, 2=DISCONNECT, 3= , 4=START, 5=READCURSOR, 6=READBLOCK, 7=END, 8=ALL, 9=RANGE}, lsn, X'ret', X'rsn'*

DFHLG0778 *applid* **The MVS logger has returned an error during operation IXGCONN CONNECT for log stream** *lsn***. CICS does not have authority to perform this operation. MVS logger codes:** *X'ret' X'rsn'***.**

Explanation: The CICS log manager has detected an error while attempting to access a log stream. CICS region userid has not been defined to the MVS logger with the authority to perform this operation.

For further guidance, see the *OS/390 MVS Programming: Assembler Services Reference*.

System Action: An exception entry is made in the trace table.

The log manager returns an exception condition to the caller. If the log is the CICS system log, a forward recovery log or an autojournal log, another message is issued. Otherwise an exception condition is returned to the application program.

User Response: Refer to any messages issued subsequently for guidance. Use the MVS logger return and reason codes to further diagnose the problem.

Ensure that the CICS region userid has authority to access the log stream. For further guidance, see the *CICS RACF Security Guide*.

Destination: Console

Module: DFHL2HS2

XMEOUT Parameters: *applid, lsn, X'ret', X'rsn'*

DFHLG0779 *applid* **The MVS logger has returned an error during operation IXGCONN CONNECT for log stream** *lsn***. The log stream is being deleted by another program. MVS logger codes:** *X'ret' X'rsn'***.**

Explanation: The CICS log manager has detected an error while attempting to access a log stream. The log stream is being deleted by a request from another program and CICS cannot connect to it until this program has finished.

For further guidance, see the *OS/390 MVS Programming: Assembler Services Reference*.

System Action: An exception entry is made in the trace table.

The log manager returns an exception condition to the caller. If the log stream is the CICS system log, a forward recovery log or an autojournal log, another message is issued. Otherwise an exception condition is returned to the application program.

User Response: Refer to any messages issued subsequently for guidance. Use the MVS logger return and reason codes to further diagnose the problem.

You will need to understand why another program was deleting the log stream. Either prevent such a conflict from occurring in the future, or allocate a different log stream to CICS.

Destination: Console

Module: DFHL2HS2

XMEOUT Parameters: *applid, lsn, X'ret', X'rsn'*

DFHLG0780 *applid* **The MVS logger has returned an error during operation IXGCONN CONNECT for log stream** *lsn***. Some data previously written to this log stream has been lost. MVS logger codes:** *X'ret' X'rsn'***.**

Explanation: The CICS log manager has detected an error while attempting to access a log stream. Some of the data written to this log stream has been permanently lost.

This message is issued only if the log stream is a general log (not a CICS system log).

For further guidance, see the *OS/390 MVS Programming: Assembler Services Reference*.

System Action: An exception entry is made in the trace table.

The log manager returns an exception condition to the caller.

User Response: This log stream is a general log, therefore it must be deleted and redefined before it can be used by CICS again.

If the log stream is used as a forward recovery log, take a fresh backup of all data sets that use this log stream as soon as possible.

If the log stream is used as a user journal, the associated journal needs to be reenabled before it can be used again. To do this, issue the command

```
SET JOURNALNAME(...) RESET
```

Use the MVS logger return and reason codes to further diagnose the problem.

Destination: Console

Module: DFHL2HS2

XMEOUT Parameters: *applid, lsn, X'ret', X'rsn'*

DFHLG0781 *applid* **The MVS logger has returned an error during operation IXGCONN CONNECT for log stream** *lsn***. The maximum number of log stream connections that the MVS logger can support has been reached. MVS logger codes:** *X'ret' X'rsn'***.**

Explanation: The CICS log manager has detected an error while attempting to access a log stream. The maximum number of log stream connections that the MVS logger can support has been reached.

For further guidance, see the *OS/390 MVS Programming: Assembler Services Reference*.

System Action: An exception entry is made in the trace table.

The log manager returns an exception condition to the caller. If the log is the CICS system log, a forward recovery log or an autojournal log, another message is issued. Otherwise an exception condition is returned to the application program.

User Response: Refer to any messages issued subsequently for guidance. Use the MVS logger return and reason codes to further diagnose the problem.

It may be possible to retry this transaction later when other work has completed and the number of concurrent transactions has reduced. Otherwise you should investigate your usage of log streams within the sysplex with a view to reducing the number of log streams that need to be connected concurrently.

Destination: Console

Module: DFHL2HS2

XMEOUT Parameters: *applid, lsn, X'ret', X'rsn'*

DFHLG0782 *applid* **The MVS logger has returned an error during operation** *{IXGCONN CONNECT | IXGWRITE}* **for log stream** *lsn***. The MVS logger does not have authority to access the log stream structure. MVS logger codes:** *X'ret' X'rsn'***.**

Explanation: The CICS log manager has detected an error while attempting to access a log stream. The MVS logger does not have the authority to access the log stream structure.

For further guidance, see the *OS/390 MVS Programming: Assembler Services Reference*.

System Action: An exception entry is made in the trace table.

The log manager returns an exception condition to the caller. If the log is the CICS system log, a forward recovery log or an autojournal log, another message is issued. Otherwise an exception condition is returned to the application program.

User Response: Refer to any messages issued subsequently for guidance. Use the MVS logger return and reason codes to further diagnose the problem.

Ensure that the MVS logger address space has authority to access the log stream structure.

Destination: Console

Modules: DFHL2HS2, DFHL2HSF

XMEOUT Parameters: *applid, {1=IXGCONN CONNECT, 2=IXGWRITE}, lsn, X'ret', X'rsn'*

DFHLG0783 *applid* **The MVS logger has returned an error during operation IXGCONN CONNECT for logstream** *lsn***. CICS attempted to connect to a log stream model, which is not possible. MVS logger codes:** *X'ret' X'rsn'***.**

Explanation: The CICS log manager has detected an error while attempting to access a log stream. CICS attempted to connect to a log stream model, which is not possible.

For further guidance, see the *OS/390 MVS Programming: Assembler Services Reference*.

System Action: An exception entry is made in the trace table.

The log manager returns an exception condition to the caller. If the log is the CICS system log, a forward recovery log or an autojournal log, another message is issued. Otherwise an exception condition is returned to the application program.

User Response: Refer to any messages issued subsequently for guidance. Use the MVS logger return and reason codes to further diagnose the problem.

It is possible that a user journal definition has been defined with the wrong log stream name or that the log stream has been defined incorrectly to have the MODEL(YES) attribute. See the *CICS System Definition Guide* for guidance on defining user journals.

Destination: Console

Module: DFHL2HS2

XMEOUT Parameters: *applid, lsn, X'ret', X'rsn'*

DFHLG0784 *applid* **The MVS logger has returned an error during operation IXGCONN CONNECT for log stream** *lsn***. You cannot connect to a DASDONLY log stream that is already connected to another MVS image. MVS logger codes:** *X'ret' X'rsn'***.**

Explanation: The CICS log manager has detected an error while attempting to access a log stream. The MVS logger rejected the connect request because the log stream is of type DASDONLY and is already connected to another MVS image.

For further guidance, see the *OS/390 MVS Programming: Assembler Services Reference*.

System Action: An exception entry is made in the trace table.

The log manager returns an exception condition to the caller. If the log is the CICS system log, a forward recovery log or an autojournal log, another message is issued. Otherwise an exception condition is returned to the application program.

User Response: Refer to any messages issued subsequently for guidance. Use the MVS logger return and reason codes to further diagnose the problem.

Log streams of type DASDONLY were designed to work within the scope of a single MVS image only (although the MVS image itself can still be part of a sysplex).

The possibilities are;-

- The connect request is using the wrong log stream name.
- The current connection is using the wrong log stream name.
- The log stream was wrongly defined as being of type DASDONLY.

Destination: Console

Module: DFHL2HS2

XMEOUT Parameters: *applid, lsn, X'ret', X'rsn'*

DFHLG0785 *applid* **The MVS logger has returned an error during operation IXGCONN CONNECT for log stream** *lsn***. This is a DASDONLY log stream, which is not supported by the current system release level. MVS logger codes:** *X'ret' X'rsn'***.**

Explanation: The CICS log manager has detected an error while attempting to access a log stream. The MVS logger rejected the connect request because the log stream is of type DASDONLY and is not supported by the current system release level.

For further guidance, see the *OS/390 MVS Programming: Assembler Services Reference*.

System Action: An exception entry is made in the trace table.

The log manager returns an exception condition to the caller. If the log is the CICS system log, a forward recovery log or an autojournal log, another message is issued. Otherwise an exception condition is returned to the application program.

User Response: Refer to any messages issued subsequently for guidance. Use the MVS logger return and reason codes to further diagnose the problem.

Log streams of type DASDONLY are supported by system release level OS/390 2.4 or later.

The possibilities are;-

- CICS was running on the wrong system.
- The log stream was wrongly defined as being of type DASDONLY.
- The connect request is using the wrong log stream name.

Destination: Console

Module: DFHL2HS2

XMEOUT Parameters: *applid, lsn, X'ret', X'rsn'*

DFHLG0786 *applid* **The MVS logger has returned an error during operation IXGCONN CONNECT for log stream** *lsn***. The MVS logger failed to find a suitable coupling facility for the log stream structure. MVS logger codes:** *X'ret' X'rsn'***.**

Explanation: The CICS log manager has detected an error while attempting to access a log stream. The MVS logger failed to find a suitable coupling facility for the log stream structure.

For further guidance, see the *OS/390 MVS Programming: Assembler Services Reference*.

System Action: An exception entry is made in the trace table.

The log manager returns an exception condition to the caller. If the log is the CICS system log, a forward recovery log or an autojournal log, another message is issued. Otherwise an exception condition is returned to the application program.

User Response: Refer to any messages issued subsequently for guidance. Use the MVS logger return and reason codes to further diagnose the problem.

You should investigate your usage of the coupling facility resource within the sysplex.

Destination: Console

Module: DFHL2HS2

XMEOUT Parameters: *applid, lsn, X'ret', X'rsn'*

DFHLG0787 *applid* **CICS is attempting to read a blockid that does not belong to the current chain. Read blockid:** *X'blkid1'***; Chain History Point:** *X'blkid2'***.**

Explanation: The requested blockid is a lower relative number than the Chain History Point blockid, which means the CICS log manager has requested a block which was written earlier than the current logical start of the chain. This indicates an internal logic error within CICS.

The blockid of the requested block, and the blockid representing the Chain History Point for the log block chain in question, are shown in the message.

System Action: An exception entry is made in the trace table and a system dump is taken, and the CICS log manager returns an exception condition.

If the failure occurred while CICS was reading from the system log, message DFHLG0736 will follow, and a quiesce of CICS will be initiated.

User Response: The logstream should be printed before CICS is restarted, using the DFHJUP utility. For guidance in using this, refer to the *CICS Operations and Utilities Guide*.

Note: If the failure occurred for the CICS system log, print both the primary and secondary CICS system log logstreams before restarting CICS.

Refer to any messages issued subsequently for further guidance.

If the error condition persists, you will need assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Module: DFHL2BLC

XMEOUT Parameters: *applid, X'blkid1', X'blkid2'*

DFHLG0800 *applid* **The MVS logger failed to locate a blockid requested by the CICS log manager. Missing blockid:** *X'blkid1'***; Chain History Point:** *X'blkid2'***.**

Explanation: The MVS logger has returned an IxgRsnCodeNoBlock (00000804) Reason Code to the CICS log manager. This means that the log block requested by CICS could not be located by the MVS logger.

The blockid of the requested block, and the blockid representing the Chain History Point for the log block chain in question, are shown.

System Action: This is an informational message to provide the blockid of the missing block, and the blockid of the Chain History Point for the chain which should contain the requested block.

This message will have been preceded by message DFHLG0772. An exception trace was written and a system dump taken.

If the failure occurred while CICS was reading from the system log message DFHLG0736 will follow, and a quiesce of CICS will be initiated.

User Response: Compare the requested blockid with the Chain History Point blockid. If the requested blockid is equal to, or a higher relative number than, the Chain History Point, the blockid represents a log block which CICS is still validly interested in and which should be available from the MVS logger.

If the requested blockid is a lower relative number than the Chain History Point blockid, then the CICS log manager has requested a block which was written earlier than the current logical start of the chain. This indicates an internal logic error within CICS.

The logstream should be printed before CICS is restarted, using the DFHJUP utility. For guidance in using this, refer to the *CICS Operations and Utilities Guide*. Note if the failure occurred for the CICS system log then print both the primary and secondary CICS system log logstreams before restarting CICS.

Refer to any messages issued subsequently for further guidance.

If the error condition persists, you will need assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Module: DFHL2BLC

XMEOUT Parameters: *applid, X'blkid1', X'blkid2'*

DFHLMxxxx messages

DFHLM0001 *applid* **An abend (code** *abcode***) has occurred at offset** *X'offset'* **in module** *modname***.**

Explanation: An abnormal end (abend) or program check has occurred in module *modname*. This implies that there may be an error in CICS code. Alternatively, unexpected data has been input, or storage has been overwritten.

The code *abcode* is a 3-digit hexadecimal MVS code (if applicable), followed by a 4-digit alphanumeric CICS code. The MVS code is a system completion code (for example, 0C1 or D37). If an MVS code is not applicable, this field is filled with three hyphens. The CICS code is an abend code or a number referring to a CICS message (for example, AKEA is a CICS abend code; 1310 refers to message DFHTS1310).

System Action: An exception entry is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS continues unless you have specified in the dump table that CICS should terminate.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Notify the system programmer. If CICS is still running, it is necessary to decide whether to terminate CICS.

If there is an MVS code, look it up in the relevant MVS codes manual which is detailed in the book list in the front of this manual. Next, look up the CICS alphanumeric code in this manual. This tells you, for example, whether the error was a program check, an abend, or a runaway, and may give you some guidance concerning user response.

If module *modname* is not crucial to the running of your CICS system, you may decide to continue to run and bring CICS down at a convenient time to resolve the problem.

If you cannot run without the full use of module *modname*, you should bring CICS down in a controlled shutdown.

You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Modules: DFHLMDM, DFHLMDS, DFHLMIQ, DFHLMLM

XMEOUT Parameters: *applid, abcode, X'offset', modname*

DFHLM0002 *applid* **A severe error (code** *X'code'***) has occurred in module** *modname***.**

Explanation: An error has been detected in module *modname*. The code X'*code*' is the exception trace point ID which uniquely identifies what the error is and where the error was detected. For further information about CICS exception trace entries, refer to the *CICS Problem Determination Guide*.

System Action: An exception entry (code *code* in the message) is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS will continue unless you have specified in the dump table that CICS should terminate.
If appropriate, an error return code is sent to the caller of this domain. In this case, CICS could be terminated by the caller (for example, the domain manager, DFHDMDM). A message will be issued to this effect.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Inform the system programmer. This indicates a possible error in CICS code. The severity of its impact will depend on the importance of the function being executed at the time of the error.

CICS may not have been terminated.

If the message occurs once and module *modname* is not crucial to the running of your CICS system, you may decide to continue to run and bring CICS down at a convenient time to resolve the problem.

If the message recurs or if you cannot run without the full use of module *modname*, you should bring CICS down in a controlled shutdown.

You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Modules: DFHLMDM, DFHLMDS, DFHLMIQ, DFHLMLM

XMEOUT Parameters: *applid, X'code', modname*

DFHLM0004 *applid* **A possible loop has been detected at offset** *X'offset'* **in module** *modname***.**

Explanation: A CICS function is taking more time to process than CICS expects. A possible loop has been detected in module *modname* at offset X'*offset*'. This is the offset of the instruction which was executing at the time the error was detected.

System Action: An exception entry is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS continues unless you have specified in the dump table that CICS should terminate.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Notify the system programmer. If CICS has not been terminated, it will be necessary to decide whether the problem is serious enough to bring CICS down.

Since some CICS functions can use a lot of CPU time, this message may have been caused by a long-running function. So there may not be an error here. Usually, CICS will purge a CICS function which exceeds the runaway task time interval which you have specified in the SIT (this is the ICVR which is measured in milliseconds). This means that module *modname* in the message will be terminated and CICS will continue.

But if you have declared ICVR=0 in the SIT and you consider that module *modname* has gone into a loop, you will have to terminate CICS in order to terminate the runaway function.

If CICS has terminated module *modname* and you consider that it was not a runaway, you should increase the ICVR time interval in the SIT. You will have to bring CICS down at a suitable time to do this permanently. But you can change the ICVR time interval temporarily online, using the CEMT transaction.

If raising the ICVR time does not solve the problem, you will need further assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Modules: DFHLMDM, DFHLMDS, DFHLMIQ, DFHLMLM

XMEOUT Parameters: *applid, X'offset', modname*

DFHLM0006 *applid* **Insufficient storage to satisfy Getmain (code** *X'code'***) in module** *modname***. MVS code** *mvscode***.**

Explanation: An MVS GETMAIN was issued by module *modname*, but there was insufficient storage available to satisfy the request.
The code X'*code*' is the exception trace point id which uniquely identifies the place where the error was detected.

This error has occurred above the 16M line.

The code *mvscode* is the MVS GETMAIN return code.

System Action: An exception entry is made in the trace table (code *code* in the message). A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS will continue unless you have specified in the dump table that CICS should terminate.

If appropriate, an error return code is sent to the caller of this domain. In this case, CICS could be terminated by the caller (for example, the domain manager, DFHDMDM). A message is issued to this effect.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Inform the system programmer. If CICS has been terminated by another module, look out for the relevant termination messages (from, for example, the domain manager), and look up the user response suggested for these messages.

If CICS is still running, the problem may be a temporary one which will right itself if more storage becomes available. If you can manage without module *modname*, you may decide to continue and bring CICS down at a convenient time to resolve the problem. If the message recurs or if you cannot run without the full use of all CICS modules, you should bring CICS down in a controlled shutdown.

Try decreasing the overall size limits of the DSAs or EDSAs. Or, try increasing the size of the whole region, if it is not already at maximum size. If CICS is not already terminated, you will need to bring CICS down to do this. See the *CICS System Definition Guide* or the *CICS Performance Guide* for further information on CICS storage.

Destination: Console

Modules: DFHLMDM, DFHLMDS, DFHLMIQ, DFHLMLM

XMEOUT Parameters: *applid, X'code', modname, mvscode*

DFHMCxxxx messages

DFHMC4000 CICS SYNAD EXIT TAKEN FOR *dscname***, INPUT MSG TRUNCATED.**

Explanation: This message is issued when the SYNAD exit is taken for an input queue. *dscname* represents the DSCNAME.

System Action: The DCB is closed and then opened again. The data is truncated to the specified block size and passed to the user.

User Response: Increase the block size or reduce the length of input.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: MVS data management determines the problem. This message is issued from the CICS-provided SYNAD routine generated in the terminal control table (TCT).

DFHMC4001I *date time applid* **Error purge delay inoperative,** *{transid | invalid req | unexpected}* **error**

Explanation: An error return code has been received from the interval control program (ICP) during initiation of the purge delay transaction, CSPQ.

The return code is caused by one of the following.

- A TRANSID error.
- An INVALD REQ error.
- An UNEXPECTED error.

System Action: Purge delay does not operate for this execution of CICS. A dump is taken.

User Response:

- For a TRANSID error, define transaction CSPQ.
- For an INVALD REQ, the ICP returned an INVALID REQUEST return code in response to the INITIATE request. Determine why this has occurred and correct the problem.
- For an UNEXPECTED error, the ICP returned an unrecognized error code in response to the INITIATE request. The error code can be found in the dump at label MCPINERR in program DFHMCP. Determine why this has occurred and correct the problem.

Destination: CSMT

Module: DFHMCP

XMEOUT Parameters: *date, time, applid, {1=transid, 2=invalid req, 3=unexpected}*

DFHMExxxx messages

DFHME0001 *applid* **An abend (code** *xxx/yyyy***) has occurred at offset** *X'offset'* **in module** *modname***.**

Explanation: An abnormal end or program check has occurred in module *modname*.

The code *xxx/yyyy* is a 3-digit hexadecimal MVS code (if applicable), followed by a 4-digit alphanumeric CICS code. The MVS code is a system completion code (for example, 0C1 or D37). If an MVS code is not applicable, this field is filled with three hyphens. The CICS code is an abend code (for example AKEA) or a number referring to a CICS message (for example 1310 refers to CICS message DFHTS1310).

System Action: An exception entry is made in the trace table. A dump is taken, unless you have specifically suppressed dumps in the dump table. Since this error may not be critical, CICS is not terminated, even if you have specified **terminate** in the dump table.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Since the abend affects the national language modules in the message (ME) domain, CICS is not automatically terminated. However, you may decide that your system should not be allowed to run without these modules, in which case you need to bring CICS down.

Look up the MVS code, if there is one, in the relevant MVS codes manual which is detailed in the book list in this manual. Look up the CICS alphanumeric code in this manual. This code tells you, for example, whether the error was a program check, an abend, a runaway, or a recovery percolation.

You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Modules: DFHMEDM, DFHMEME, DFHMESR

DFHME0002 *applid* **An error (code** *X'code'***) has occurred in module** *modname***.**

Explanation: An error has been detected in module *modname*. The code X'*code*' is the exception trace point id which uniquely identifies the place where the error was detected.

System Action: A bad return code is sent to the caller of the message (ME) domain. If the call is made by the domain manager, DFHDMDM, CICS is terminated by the domain manager, and a message is issued to this effect. However, if the message is issued by a message domain module, CICS is allowed to continue.

An exception entry is made in the trace table. For further information about CICS exception trace entries, refer to the *CICS Problem Determination Guide*.

A dump is taken, unless you have specifically suppressed dumps in the dump table. Since this error may not be critical, CICS is not terminated immediately, even if you have specified **terminate** in the dump table.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Inform the system programmer as this message indicates a severe error in CICS code. Its impact may or may not be severe, depending on the circumstances. For example, if it only occurs once and CICS has not been terminated by the domain manager, you may decide to continue to run and bring CICS down at a convenient time. But if the message recurs or if you cannot run without the full use of all CICS messages, you should bring CICS down in a controlled shutdown.

You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Modules: DFHMEDM, DFHMEME, DFHMESR, DFHMEWT

DFHME0004 *applid* **A possible loop has been detected at offset** *X'offset'* **in module** *modname***.**

Explanation: A CICS function is taking more time to process than CICS expects. A possible loop has been detected in module *modname* at offset X'*offset*'. This is the offset of the instruction which was executing at the time the error was detected.

System Action: An exception entry is made in the trace table. A dump is taken, unless you have specifically suppressed dumps in the dump table. This situation may not be an error, or if it is an error it may not be critical, so CICS is not terminated immediately, even if you have specified **terminate** in the dump table. CICS will purge the runaway task if you have specified this in the SIT.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: This error affects message generation, and the message (ME) domain does not automatically terminate CICS. You should decide whether the problem is serious enough to bring CICS down.

Since some transactions can use a lot of CPU time, this message may have been caused by a long-running transaction. Usually, CICS terminates a task which it considers to be a runaway task. It does this termination when the task exceeds the runaway task time interval which you have specified in the SIT (this is the ICVR which is measured in milliseconds).

If you have declared ICVR=0, you have to terminate the task yourself if you consider that it has gone into a loop. Purge the task using the CEMT transaction.

If CICS has purged the task and you consider that it was not a runaway, you should increase the ICVR time interval in the SIT. You will have to bring CICS down at a suitable time in order to do this.

If raising the ICVR time does not solve the problem, you will need further assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Modules: DFHMEDM, DFHMESR, DFHMEME

DFHME0006 *applid* **Insufficient storage to satisfy GETMAIN (code** *X'code'***) in module** *modname***. MVS code** *mvscode***.**

Explanation: An MVS GETMAIN was issued by module *modname*, but there was insufficient storage available to satisfy the request. The code X'*code*' is the exception trace point ID which uniquely identifies the place in the code where the error occurred. The code *mvscode* is the MVS GETMAIN return code.

System Action: An exception entry is made in the trace table with code X'*code*'. A dump is taken, unless you have specifically suppressed dumps in the dump table. Since this may not be a critical error, CICS is not terminated immediately, even if you have specified **terminate** in the dump table. However, if this error indicates a general problem with storage, CICS could be abnormally terminated by the CICS storage manager. A message will be issued to this effect.

If the GETMAIN fails for DFHMEDM, a return code is sent to the domain manager, DFHDMDM, and CICS is terminated by the domain manager. A message is issued to this effect.

If the GETMAIN fails for the message domain DFHMEME, it could occur in one of four places. The code X'*code*' indicates which GETMAIN has failed as follows:

Code	***Meaning***
X'0340' -	During formatting of TD message
	The message is not issued.
X'0341' -	During build of message
	The message is not issued.
X'0342' -	While building user exit parameters
	The message is issued to original destination.
X'0343' -	During rebuild of message in English
	The rebuilt English message is not issued.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: If CICS is terminated, look out for the relevant termination messages from the storage manager or the domain manager and the user response suggested.

Try decreasing the size limits of the DSAs or EDSAs. Or, try increasing the size of the whole region, if it is not already at maximum size. You will need to bring CICS down to do this, if it has not already been terminated.

The problem may be a temporary one which rights itself if more storage becomes available. If CICS is still running, and you can manage without the full set of CICS messages, you may decide to continue and bring CICS down at a convenient time.

You can get diagnostic information about the MVS return code by consulting the relevant MVS codes manual.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Modules: DFHMEDM, DFHMEME

DFHME0101 *applid* **An error (code** *X'code'***) occurred while writing message** *msgno* **to transient data destination** *dest*

Explanation: CICS has tried to write message *msgno* to the transient data destination *dest*. This has failed for one of the following reasons:

1. Destination *dest* has not been defined in the DCT.
2. Destination *dest* is currently disabled.
3. The transient data queue for destination *dest* is full.
4. An I/O error has occurred writing to destination *dest*.

The code X'*code*' is the exception trace point ID which uniquely identifies the place where the error was detected.

System Action: An exception entry is made in the trace table and CICS continues.

User Response: Check that *dest* is defined in your DCT.

If (1), add a new entry to the DCT for destination *dest*. Alternatively, if *msgno* is a DFHDB2xxx message, refer to the installed DB2CONN object. Change any of the msgqueue1, msgqueue2 and msgqueue3 parameters of the DB2CONN that specify destination *dest* so that they name a valid destination defined in the DCT.

If (2), use CEMT to reset the status of the queue to 'enabled'.

If (3), allocate more space for the queue, or reset the trigger level (if messages are being issued to a terminal or printer).

If (4), investigate and fix the cause of the I/O error.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHMEME

DFHME0102 *applid* **An error (code** *X'code'***) has occurred in module** *modname* **while producing message** *msgno***.**

Explanation: A severe error has been detected and the message (ME) domain has been unable to produce message *msgno*. The code X'*code*' is the exception trace point ID which uniquely identifies the place where the error was detected.

System Action: A return code is sent to the caller of the message (ME) domain, but since the call was made by a message domain module, CICS is allowed to continue.

An exception entry is made in the trace table. A dump is taken, unless you have specifically suppressed dumps in the dump table. Since this may not be a critical error, CICS is not terminated immediately, even if you have specified **terminate** in the dump table.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Inform the system programmer as this indicates a severe error in CICS code. However, its impact may not be serious. For example, if the error only occurs once and you can

run without message *msgno*, you may continue to run and bring CICS down at a convenient time.

However, if the message recurs (and on each recurrence there is a different message number *msgno*), or if you cannot run without the full use of all CICS messages, you should bring CICS down in a controlled shutdown.

You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Modules: DFHMEBU, DFHMEIN, DFHMEWT, DFHMEME

DFHME0105 *applid* **Insufficient storage to load module** *modname***.**

Explanation: An MVS load has failed. The message language module *modname* could not be loaded as there was insufficient storage available. The language module is defined in the SIT for messages in a particular language, or is the default language module.

The default language is always used for messages sent to transient data queues and to consoles (providing that it is not a double-byte language in which case the message is sent to the console in English). If the default language module cannot be loaded, no messages can be delivered. Terminals can have messages in the default language or in another chosen language. If the chosen language module cannot be loaded, terminal messages use the default language instead.

System Action: An exception entry is made in the trace table and a dump is taken, unless you have specifically suppressed dumps in the dump table. As this may not be a critical problem, CICS is not terminated unless the default language module cannot be loaded, (even if you have specified **terminate** in the dump table).

If the missing module is not the default language module, CICS uses the default language for messages to terminals. If the default language module cannot be loaded, a return code is sent to the domain manager and CICS is terminated by the domain manager.

User Response: If the default language is in operation and this is acceptable, you need not bring CICS down. (Or you may bring CICS down at a more convenient time.)

If the default language is in operation and this is not acceptable, or if the default language module itself is missing, try decreasing the size limits of the DSAs or EDSAs. Or you could try increasing the size of the whole region, if it is not already at maximum size.

Alternatively, you may be able to get more storage space by removing unwanted language modules from storage. To do this, bring CICS down, remove the language codes you do not need from the SIT or respecify the list of language modules as an override parameter, and restart CICS.

Note: You should not remove the default language module from the SIT.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHMEDM

DFHME0106 *applid* **Module** *modname* **could not be loaded. REGISTER 1 =** *X'nnnnnnnn'* **and REGISTER 15 =** *X'nnnnnnnn'*

Explanation: The message language module *modname* could not be loaded. The reason that it could not be loaded is given by the contents of registers 1 and 15, which are returned by MVS.

System Action: If the missing module is not the default language module, CICS uses the default language for messages.

If the default language module is missing, a return code is sent to the domain manager and CICS is terminated.

An exception entry is made in the trace table and a dump is taken, unless you have specifically suppressed dumps in the dump table. As this may not be a critical problem, CICS is not terminated unless the default language module cannot be loaded (even if you have specified **terminate** in the dump table).

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: If the default language is in operation and this is acceptable, you need not bring CICS down, or you may do so at some convenient time.

If the default language is in operation and this is not acceptable, or if the default language module itself is missing, consult the MVS messages and codes manual to check the return codes displayed in the message. The return codes indicate why the module could not be loaded.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHMEDM

DFHME0107 *applid* **Module** *modname* **cannot be found in the library.**

Explanation: The message load module *modname* was not found in the library defined in the JCL for the CICS job. This load module is a language module for messages. It is either a module which has been defined in the SIT for messages in a particular language, or it is the default language module.

The default language is always used for messages sent to transient data queues and to consoles (providing that it is not a double-byte language, in which case the message is sent to the console in English). If the default language module is missing no messages can be delivered.

Terminals can have messages in the default language or in another chosen language. If the chosen language module is missing, terminal messages use the default language instead.

System Action: An exception entry is made in the trace table. A dump is taken, unless you have specifically suppressed dumps in the dump table. But since this may not be a critical error, CICS is not terminated immediately, even if you have specified this in the dump table, unless the default language module is missing, (even if you have specified **terminate** in the dump table).

If the missing module is not the default language module, CICS uses the default language for messages. If the default language module is missing, a return code is sent to the domain manager and CICS is terminated.

User Response: This error could have occurred because of a problem in a library or in the SIT. If the default language is in operation and this is acceptable, you need not bring CICS down, or you may do so at some convenient time.

The missing module may have been placed in the wrong library, or the wrong or misspelled module name may have been used in the right library.

If the default language is in operation and this is NOT acceptable, link the missing module into the library defined in the JCL for your CICS job by correcting whichever of the problems has occurred. You have to bring CICS down to do this.

It is also possible that an incorrect or misspelled language code has been used in the SIT. In this case, you have to bring CICS down, reinstall your chosen language code as a system initialization parameter, and restart CICS.

If you no longer need this language module, you should remove it from the SIT at the next convenient opportunity.

If the default language module is missing, CICS is terminated by the domain manager. You need to discover whether the fault is in the library or the SIT and follow the appropriate procedure above.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHMEDM

DFHME0108 *applid* **Message** *msgno* **cannot be found in module** *modname***.**

Explanation: Message *msgno* should have been delivered, but was not found in message language module *modname*.

This module is the national language module specified in the SIT by the user which gives messages in a chosen language.

System Action: An exception entry is made in the trace table. A dump is taken, unless you have specifically suppressed dumps in the dump table. Since this may not be a critical error, CICS is not terminated, even if you have specified **terminate** in the dump table.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: This indicates an error in CICS code. However, its impact may not be severe. For example, the error may only occur once, or you may decide to continue to run without message number *msgno*.

If you are using a message table which has been created using the message editing utility, ensure that all relevant PTFs have been correctly applied.

Note that this message will appear after maintenance has been applied to the CICS message domain if there are older, pre-maintenance, versions of the DFHMETxl message modules elsewhere in the STEPLIB concatenation.

If you have just applied maintenance and are encountering this message, check for, and remove, older versions of the message modules in the STEPLIB concatenation.

If the problem persists, you will need further assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHMEIN

DFHME0109 *applid* **Message set** *setname* **could not be found in module** *modname* **while producing message** *msgno***.**

Explanation: Message set *setname* was not found in the message language module *modname*.

The *setname* is the first two characters after the DFH in CICS messages (for example, LD or 21), which is followed by the message number.

System Action: An exception entry is made in the trace table. A dump is taken, unless you have specifically suppressed dumps in the dump table. Since this may not be a critical error, CICS is not terminated, even if you have specified **terminate** in the dump table.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: This indicates an error in CICS code. However, its impact may not be severe. For example, the error may only occur once, or you may decide to continue without message number *msgno*.

If you are using a message table which has been created using the message editing utility, ensure that all relevant PTFs have been correctly applied.

If the problem persists, you will need further assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHMEIN

DFHME0110 *applid* **Optional value** *nn* **is missing from insert** *ii* **for message** *msgno***.**

Explanation: Optional insert value *nn* was requested for insert *ii* on a call to the message domain but could not be found in the definition template for message *msgno*.

System Action: CICS delivers the message with *???* in place of the insert *ii* as it cannot resolve which optional value has been requested for the insert.

An exception entry is made in the trace table. A dump is taken, unless you have specifically suppressed dumps in the dump table. Since this may not be a critical error, CICS is not terminated, even if you have specified **terminate** in the dump table.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: This message indicates an error in CICS code. However, its impact may not be severe. For example, the error may only occur once, or you may decide to continue without message *msgno*.

If you are using a message table which has been created using the message editing utility, ensure that all relevant PTFs have been correctly applied.

If the problem persists, you will need further assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHMEBU

DFHME0111 *applid* **Insert** *ii* **is missing for message** *msgno***.**

Explanation: Insert *ii* is required for message *msgno*. The insert was not found.

System Action: CICS delivers the message with *???* in place of the missing insert *ii*.

An exception entry is made in the trace table. A dump is taken, unless you have specifically suppressed dumps in the dump table. But since this may not be a critical error, CICS is not terminated, even if you have specified **terminate** in the dump table.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Ensure that you have loaded the correct message language module. That is, ensure that you have the correct language specified in the NATLANG system initialization parameter and that the library concatenation accessed by your CICS job contains the correct message language module.

This message indicates a severe error in CICS code. However, its impact may not be serious. For example, the error may only occur once, or you may decide to continue without message *msgno*.

If you are using a message table which has been created using the message editing utility, ensure that all relevant PTFs have been correctly applied.

If the problem persists, you will need further assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHMEBU

DFHME0112 *applid* **Insert number** *ii* **is invalid for message** *msgno* **(code** *X'code***').**

Explanation: Insert *ii,* supplied on the call to the message (ME) domain, was invalid. For example, it may have been a decimal insert with a length greater than 4 bytes.

The code X'*code*' uniquely identifies the occurrence of the invalid insert.

System Action: CICS delivers the message with *???* in place of the invalid insert *ii.*

An exception entry with code X'*code*' is made in the trace table. A dump is taken, unless you have specifically suppressed dumps in the dump table. Since this may not be a critical error, CICS is not terminated, even if you have specified **terminate** in the dump table.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Ensure that you have loaded the correct message language module. That is, ensure that you have the correct language specified in the NATLANG system initialization parameter and that the library concatenation accessed by your CICS job contains the correct message language module.

This message indicates an error in CICS code. However, its impact may not be serious. For example, the error may only occur once, or you may decide to continue without message *msgno* being produced.

If you are using a message table which has been created using the message editing utility, ensure that all relevant PTFs have been correctly applied.

If the problem persists, you will need further assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHMEBU

DFHME0113 *applid* **Incorrect parameters used in call to DFHMEME for message** *msgno***.**

Explanation: A call to the message (ME) domain for message *msgno* was made with an invalid combination of parameters.

System Action: An exception entry is made in the trace table. A dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS is not terminated, even if you have specified **terminate** in the dump table.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Ensure that you have loaded the correct message language module. That is, ensure that you have the correct language specified in the NATLANG system initialization parameter and that the library concatenation accessed by your CICS job contains the correct message language module.

This message indicates a severe error in CICS code. However, its impact may not be serious. For example, the error may only occur once, or you may decide to continue without message *msgno*.

If you are using a message table which has been created using the message editing utility, ensure that all relevant PTFs have been correctly applied.

If the problem persists, you will need further assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHMEME

DFHME0114 *applid* **There are no destinations specified for message** *msgno*

Explanation: There was no destination *destid* specified in the message language module for message *msgno*. This error could occur if the message language module has been corrupted or is not at the correct release level.

System Action: An exception entry is made in the trace table. A dump is taken, unless you have specifically suppressed dumps in the dump table. Since this error may not be critical, CICS is not terminated even if you have specified **terminate** in the dump table.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Ensure that you have loaded the correct message language module. That is, ensure that you have the correct language specified in the NATLANG system initialization parameter and that the library concatenation accessed by your CICS job contains the correct message language module.

This message indicates a severe error in CICS code. However, its impact may not be serious. For example, the error may only occur once, or you may decide to continue without message *msgno* being produced. If you feel it is not critical, you can continue to run your

system without message *msgno* until a convenient time comes to resolve the problem.

If you are using a message table which has been created using the message editing utility, ensure that all relevant PTFs have been correctly applied.

If the problem persists, you will need further assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHMEIN

DFHME0115 *applid modname* **Message module for language** *language* **not found. The default module** *modnameb* **is used.**

Explanation: The message language module *modname* for the national language *language* could not be found in the list of available modules. It is not found if a CICS program calls for a message in a particular language from the message domain, but the message domain cannot locate the message in that language.

The message language module may be unavailable because the LOAD for the appropriate message language module failed at initialization. In this case, there will have been an earlier message about the failed LOAD. Alternatively, the module may not be available because the language specified on the terminal definition, or userid definition, was not specified in the SIT or was specified incorrectly.

System Action: An exception entry is made in the trace table. A dump is taken, unless you have specifically suppressed dumps in the dump table. Since this may not be a critical error, CICS is not terminated, even if you have specified **terminate** in the dump table.

All messages which should appear in language *language* in module *modname* appear in the system default language *modnameb* instead.

User Response: Your action depends on whether the use of the default language for messages is acceptable or not. If it is acceptable, you can delay taking any action until a convenient time. This may entail changing a terminal or userid definition if that is the cause of the problem.

If the use of the default language is not acceptable, and if module *modname* failed to load at initialization, take the action described for the appropriate message about a failed LOAD issued during start-up.

Otherwise, bring CICS down and specify module *modname* in the SIT or respecify the list of language modules as an override parameter, and restart CICS.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHMEIN

DFHME0116 *applid* **(Module:***modname***) CICS symptom string for message** *msgno* **is** *symstring*

Explanation: Message *msgno* has been issued as the result of a possible CICS error.

Symptom string *symstring* has been produced to provide additional diagnostic information for IBM support.

System Action: This message accompanies message *msgno* and has no effect on the system action. The system action is that stated in message *msgno*.

User Response: Refer to the user response of message *msgno* which provides the necessary information to determine if the error is serious enough to be reported to IBM Support.

Destination: Console

Module: DFHMEME

XMEOUT Parameters: *applid, msgno, symstring, modname*

DFHME0117 *applid* **The Message User Exit point XMEOUT is unavailable for message** *msgno*

Explanation: The message (ME) domain was unable to use the message user exit point 'XMEOUT' when it was processing message *msgno*. This is probably because it was invoked too early in CICS initialization. A response of KERNERROR has been returned to the message (ME) domain from the program which invokes the user exit, DFHAPEX.

System Action: The message (ME) domain continues processing as this error is not severe. The message *msgno* which the message (ME) domain was trying to produce is not suppressed or rerouted by the message user exit. Instead, it is issued to the original destination defined for message *msgno*.

User Response: None. You cannot suppress message *msgno* because the error has occurred too early in initialization.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHMEME

DFHME0118 *applid* **An error has occurred when calling the Message User Exit for message** *msgno*

Explanation: The message (ME) domain has received an incorrect response from DFHAPEX, the program which invoked the message user exit.

System Action: The message (ME) domain will continues processing as this error is not severe. The message *msgno* which the message (ME) domain was trying to produce is not suppressed or rerouted but is issued to its original destination.

User Response: This message indicates a probable error in the message user exit. Ensure that your message user exit program is working properly.

However, it is possible that the user exit invoking program DFHAPEX interface has been corrupted. DFHAPEX issues an exception trace entry to indicate that there is an error, but is not able to issue its own error message via the message (ME) domain as doing so would cause CICS to loop. In this case, you will need further assistance from IBM to resolve the problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHMEME

DFHME0119 *applid* **Message** *msgno* **has an invalid** *{Destination | User Exit | Message Identification}* **component**

Explanation: The message (ME) domain has encountered an invalid component in the definition of message *msgno* in the message language module. The message language module may have been corrupted or be at the wrong release level.

System Action: The ME domain produces an exception trace entry and continues processing. No dump is taken.

User Response: Ensure that you are using the correct level of the message language module. That is, ensure that you have the correct language specified in the NATLANG system initialization parameter and that the library concatenation accessed by your CICS job contains the correct message language module.

This message indicates a severe error in CICS code. However, its impact may not be severe. For example, the error may only occur once, or you may decide to continue without message number *msgno*. If you feel it is not important, you can continue to run your system without this message until a convenient time comes to resolve the problem.

If you are using a message table which has been created using the message editing utility, ensure that all relevant PTFs have been correctly applied.

If the problem persists, you will need further assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHMEIN

DFHME0120I *applid* **Message** *msgno* **has been rerouted to its original destination.**

Explanation: The message domain user exit point XMEOUT has attempted to route message *msgno* to a transient data (TD) queue while CICS is quiescing or terminating. After CICS shutdown has started, a message can only be rerouted to a TD queue if its original destination has a TD queue.

System Action: The message is rerouted to its original destination.

User Response: None. For programming information about the XMEOUT user exit, see the *CICS Customization Guide*.

Destination: Console

Module: DFHMEME

XMEOUT Parameters: *applid, msgno*

DFHME0121 *applid* **The** *{first | second}* **attempt at formatting message** *msgno***, TD queue** *queuename* **has failed -** *{Invalid DBCS format | Unknown error}*

Explanation: The message (ME) domain was trying to produce message *msgno* (destined for transient data queue *queuename*). However, an invalid response has been returned from the message formatting routine, DFHMEFO. This error is probably due to invalid DBCS characters being found in either the message inserts or the message text. The message text is checked at definition time for mismatched shift-out and shift-in characters. However, adjacent shift-in and shift-out characters could appear in a message, for instance, if a double byte message insert has not been supplied correctly.

The message (ME) domain first tries to format the message into 120-byte segments. However, if the transient data queue has been defined with a different queue length, formatting is performed a second time using the new queue length. (Hence the reason for *first* or *second* attempts at formatting the message.)

System Action: A dump is taken. The message domain does not issue the message being formatted. An exception trace entry is made by the formatting routine DFHMEFO.

User Response: This message indicates an error in CICS code. However, its impact may not be severe. For example, the error may only occur once, or you may decide to continue without the message *msgno*. If you feel it is not critical, you can continue to run your system without message *msgno* until a convenient time comes to resolve the problem.

If you are using a message table which has been created using the message editing utility, ensure that all relevant PTFs have been correctly applied.

If the problem persists, you will need further assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHMEME

DFHME0122 *applid* **The Message User Exit has returned invalid route code information for message number** *msgno*

Explanation: The message user exit program has set an invalid route code as the destination of message *msgno*. Valid route codes are numbers 1 to 28 inclusive.

System Action: The message (ME) domain ignores the invalid route code and defaults to the original destination defined for message *msgno* in the message language module.

User Response: Check that your message user exit program sets valid route code information for message *msgno*.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHMEME

DFHME0123 *applid* **The Message User Exit has returned invalid TD queue information for message number** *msgno*

Explanation: The message user exit program has set an invalid queue name as the destination of the message *msgno*. Valid queue names consist of 4 alphanumeric characters.

System Action: The message (ME) domain ignores the invalid queue name and defaults to the original destination defined for message *msgno* in the message language module.

User Response: Check that your message user exit program sets valid queue name information for message *msgno*.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHMEME

DFHME0124 *applid* **TD is unavailable for writing message** *msgno* **to TD queue** *queuename*

Explanation: The message (ME) domain has tried to output message *msgno* to transient data queue *queuename*. However, transient data (TD) is not yet available. This situation may occur early in CICS initialization.

System Action: If the message destination is CDBC, the message is rerouted to the console instead. If the message destination is any other TD queue, it is lost.

User Response: The impact of this error may not be severe. For example, the error may only occur once, or you may decide to continue without message *msgno*. If you feel it is not critical, you can continue to run your system without message *msgno* until a convenient time comes to resolve the problem.

You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHMEME

DFHME0125 *applid* **The Message User Exit has returned an invalid return code** *rc* **for message** *msgno*

Explanation: The message user exit has returned a return code *rc*. which is neither 0 or 4 when it was processing message *msgno*. (A return code of 4 indicates that the message is to be suppressed.)

System Action: The message (ME) domain continues processing as normal and does not suppress or reroute the message. Instead, it issues the message as it was originally defined in the message language module.

User Response: Check that your message user exit program is working properly, and that it is passing the correct return code back to the message (ME) domain.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHMEME

DFHME0126 *applid* **Error in SYMREC invocation. Return code in R15 =** *X'mmmm'***, Reason code in R0 =** *X'nnnn'***.**

Explanation: While handling an error, CICS tried to write a symptom record to SYS1.LOGREC.

However, a further problem was detected while attempting to invoke the SYMREC service.

Return code X'*mmmm*' in register 15 and reason code X'*nnnn*' in register 0 indicate the reason for the error. This may be one of the following.

- CICS has been prevented from writing the symptom record to SYS1.LOGREC by the ASREXIT MVS installation exit. In this case a system dump is not produced.
- There is an error in the SYMRBLD macro. (This is the macro CICS uses to build its symptom records.)
- CICS has supplied invalid data to be added to the symptom record.
- There is an error in the SYMREC service. Examples of possible problems include a storage error, or insufficient space in the LOGREC buffer.
- The SYMREC service is currently inoperative.

System Action: Processing continues and a system dump may be produced.

An exception trace entry (pointid=X'0806') is made in the trace table which contains the symptom record which CICS attempted to write.

User Response: Determine whether the error was caused by a problem in the format of the symptom record produced by CICS, or by a problem in the SYMREC service.

The meanings of the return and reason codes, together with additional information about the SYMREC service can be found in the OS/390 MVS Programming: Assembler Services Reference manual.

Return codes 0010 or 0014 indicate a problem in the SYMREC service which must be reported to the MVS System Administrator.

A return code of 000C and a reason code of 0F1C indicates that the ASREXIT installation exit has prevented CICS from writing the symptom record. This could be caused by an installation error. Report the problem to your MVS system administrator.

Any other return code indicates that the symptom record is invalid to the SYMREC service.

The impact of this error need not be severe, if for example, the problem occurs only as an isolated incident or on the production of a particular message. In these cases, this message can be ignored.

However, if the problem is persistent, you will need further assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHMEWS

DFHME0127 *applid* **A severe error (code** *X'code'***) has occurred in module** *modname***.**

Explanation: An error has been detected in module *modname*. The code X'*code*' is the exception trace point ID which uniquely identifies the place where the error was detected.

System Action: An exception entry is made in the trace table. For further information about CICS exception trace entries, refer to the *CICS Problem Determination Guide*.

A dump is taken, unless you have specifically suppressed dumps in the dump table. But since this error may not be critical, CICS is not terminated immediately, even if you have specified **terminate** in the dump table.

No symptom string is produced for this message because the error has occurred in a module concerned with symptom strings.

User Response: Inform the system programmer. This message indicates a severe error in CICS code. However, the impact of this error should not be severe because the module DFHMEWS is not crucial to CICS functioning.

If the problem recurs, you will need further assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHMEWS

DFHME0128 *applid* **Message** *msgno* **has an invalid route code.**

Explanation: The routine which issues the console message was unable to do so as it encountered an invalid route code associated with message *msgno*. Valid route codes are numbers from 1 through 28.

This error could only happen if the route codes have become corrupted as they are being passed to the routine which issues the console message, DFHSUWT.

System Action: The message (ME) domain issues an exception trace entry. Message *msgno* is not issued.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHMEME

DFHME0129 *applid* **Unable to format console message** *msgno* **as it contains invalid DBCS characters.**

Explanation: The routine which attempted to format console message *msgno* was unable to do so as it was found to contain invalid double byte (DBCS) characters. For example, adjacent or unmatched pairs of shift-in and shift-out characters are invalid in a string of DBCS text.

This situation could occur if there are inserts in the message which contain, for example, a shift-out and a shift-in character with no double byte characters entered in between.

System Action: The message (ME) domain continues processing but message *msgno* is not issued as it cannot be formatted. The message formatting routine, DFHMEFO, issues an exception trace entry. The routine which issues console messages, DFHSUWT, also issues an exception trace entry.

User Response: Ensure that any double-byte information entered from a terminal which may be used as a message insert is entered correctly.

If you are using a message table which has been created using the message editing utility, ensure that all relevant PTFs have been correctly applied.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHMEME

DFHME0130 *applid* **Message** *msgno* **has an invalid descriptor code.**

Explanation: The routine which issues the console message was unable to do so as it encountered an invalid descriptor code associated with message *msgno*. Valid descriptor codes are numbers 1 through 16.

This error could only happen if the descriptor codes have become corrupted as they are being passed to the routine which issues the console message, DFHSUWT.

System Action: The message (ME) domain issues an exception trace entry. Message *msgno* is not issued.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHMEME

DFHME0131 *applid* **Unable to calculate length of message** *msgno* **due to message table corruption, code(***code***)**

Explanation: The message (ME) domain could not calculate the length of the message *msgno* due to possible corruption of the message language module.

System Action: A return code is sent to the caller of the message (ME) domain. The message *msgno* is not issued.

User Response: Ensure that you are using the correct level of the message data module. That is, ensure that you have the correct language specified in the NATLANG system initialization parameter and that the library concatenation accessed by your CICS job contains the correct message language module.

This message indicates an error in CICS code. However, its impact may not be severe. For example, the error may only occur once, or you may decide to continue without message number *msgno*. If you feel it is not critical, you can continue to run your system without message *msgno* until a convenient time comes to resolve the problem.

If you are using a message table which has been created using the message editing utility, ensure that all relevant PTFs have been correctly applied.

You may need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHMEME

DFHME0132 *applid* **The User's Message Exit program has failed while processing message** *msgno*

Explanation: The user's message exit program is either looping or has failed with a program check.

System Action: The message (ME) domain continues processing and issues message *msgno* to its original destination. The user exit invoking program DFHAPEX issues an exception trace entry to indicate that the user's message exit program has failed, but it cannot issue its own error message via the message (ME) domain as doing so would cause CICS to loop.

User Response: Disable your message exit program and ensure it is working properly.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHMEME

DFHME0133 *applid* **Message** *msgno* **could not be found in module DFHMEMGT**

Explanation: The message domain was trying to issue one of its own error messages to indicate that an error had occurred in the message domain. However, the message domain was unable to find the message it was attempting to issue in its own internal message table DFHMEMGT.

System Action: An exception entry is made in the trace table by the message domain. A dump is taken, unless you have specifically suppressed dumps in the dump table. Since this may not be a critical error, CICS is not terminated, even if you have specified **terminate** in the dump table.

User Response: This message indicates an error in CICS code. However, its impact may not be severe.

If the problem persists, you will need further assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHSUME

DFHME0134 *applid* **Message** *msgno* **has been truncated because it was too long.**

Explanation: The message (ME) domain was trying to output message *msgno*, but truncated the message because it was too long. Message *msgno* is a conversational message to an operator which has exceeded the maximum size of 119 characters.

System Action: The ME domain truncates the message to 119 bytes before issuing it. An exception trace entry is made and a dump taken, but processing continues.

User Response: This message indicates that *msgno* has been incorrectly defined in the message table, or that the inserts supplied to the message have caused it to exceed the size limit imposed on conversational messages. If enough information can be obtained from the truncated message, the impact of this error may not be severe. If necessary, you can continue to run your system without this message until a convenient time comes to resolve the problem.

If you are using a message table which has been created using the message editing utility, ensure that all relevant PTFs have been correctly applied.

If the problem persists, you will need further assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHMEME

DFHME0135 *applid* **The default language** *language* **specified in the SIT NATLANG parameter is invalid. It has been defaulted to E.**

Explanation: The default language is the first character in the NATLANG system initialization parameter. The default language *language* is not in the list of valid CICS language suffixes.

System Action: CICS continues with a default language of E (US English).

User Response: If you do not want a default language of E, change the first character in the NATLANG system initialization parameter to another valid CICS language suffix. See the *CICS System Definition Guide* for a list of valid CICS language suffixes.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHMESR

DFHME0136 *applid* **Message** *msgno* **is missing from national language module** *modname***. Searching the English message table for the message text.**

Explanation: Message *msgno* cannot be issued in the specified language because the message was not found in the national language module *modname*.

This could be the result of a PTF containing message *msgno* not being applied to the module *modname*. In this case, the text of the missing message could be present in the English language message table DFHMET1E.

System Action: An exception entry is made in the trace table. The message domain tries to find the message in the English language message table. If the message is not found in the English table either, message DFHME0108 is issued followed by a system dump.

User Response: Run the MEU PTF update process to ensure that any new messages have been applied to your language table *modname*, and rebuild this table. See the *CICS Operations and Utilities Guide* for guidance on this.

If message DFHME0108 follows this message, there is an error in CICS code and you will need further assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHMEIN

DFHME0137 *applid* **Message** *msgno* **cannot be rerouted to a transient data destination by the message user exit XMEOUT.**

Explanation: The message *msgno* cannot be rerouted to a transient data destination via XMEOUT because by doing so, CICS could get into a loop.

System Action: An exception entry is made in the trace table. The message (ME) domain ignores the queue destination returned by the message exit and defaults to the original destination defined for message *msgno* in the message language module.

User Response: Alter your message user exit program to avoid rerouting the message *msgno* to a transient data destination. The noreroute indicator is passed by the message domain to the exit so that the exit program can check whether or not it is valid to reroute a particular message.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHMEME

DFHME0500 PLEASE ENTER A MESSAGE NUMBER.

Explanation: No search of the messages and codes file has been made because both the component ID and message number fields were blank when you pressed the ENTER key.

System Action: The transaction redisplays the main menu with this message.

User Response: Enter a valid message number or abend code.

Note: This message cannot be changed with the message editing utility.

Destination: Terminal End User

Module: DFHCMAC

DFHME0501 AN INVALID OPTION HAS BEEN ENTERED.

Explanation: A key other than F3 or ENTER has been pressed.

System Action: The transaction redisplays the main menu with this message.

User Response: Enter a valid message number or abend code and press ENTER, or press a valid function key.

Note: This message cannot be changed with the message editing utility.

Destination: Terminal End User

Module: DFHCMAC

DFHME0502 THE CMAC FILE IS DISABLED.

Explanation: The CMAC file is disabled for one of these reasons:

- The file was initially defined as disabled and has not been enabled
- The file has been disabled by an EXEC CICS SET command or by the CEMT transaction.

System Action: The transaction redisplays the main menu with this message.

User Response: If the CMAC file was defined as disabled, use the CEMT transaction to enable the file.

If the CMAC file has been disabled, determine the reason. It might have been disabled for maintenance or update.

Note: This message cannot be changed with the message editing utility.

Destination: Terminal End User

Module: DFHCMAC

DFHME0503 THE CMAC FILE CANNOT BE FOUND IN THE FCT.

Explanation: The CMAC file cannot be found in the file control table (FCT).

System Action: The transaction redisplays the main menu with this message.

User Response: Check that the CMAC file has been defined and installed. See the *CICS Transaction Server for OS/390 Installation Guide* for guidance.

Note: This message cannot be changed with the message editing utility.

Destination: Terminal End User

Module: DFHCMAC

DFHME0504 RESOURCE SECURITY CHECK FAILED ON CMAC FILE.

Explanation: The resource security check has failed.

System Action: The transaction redisplays the main menu with this message.

User Response: Ensure that the resource security class is correct.

Note: This message cannot be changed with the message editing utility.

Destination: Terminal End User

Module: DFHCMAC

DFHME0505 THE CMAC FILE IS CLOSED OR UNENABLED.

Explanation: One of the following has occurred:

- The requested file is CLOSED and UNENABLED. The CLOSED, UNENABLED state is reached after a close request has been received against an OPEN ENABLED file and the file is no longer in use. This state can be specified as the initial state by means of the FILSTAT parameter of the DFHFCT TYPE=FILE control table macro, or by defining a file using the RDO options STATUS = UNENABLED and OPENTIME = FIRSTREF.
- The requested file is OPEN and UNENABLED and in use by other transactions, but a close request against the file has been received.

System Action: The transaction redisplays the main menu with this message.

User Response: Use the CEMT transaction to ensure that the CMAC file is in the OPEN ENABLED state.

Note: This message cannot be changed with the message editing utility.

Destination: Terminal End User

Module: DFHCMAC

DFHME0506 REQUESTED MESSAGE NUMBER/ABEND CODE NOT FOUND

Explanation: The attempt to retrieve the specified message number or abend code has been unsuccessful.

System Action: The transaction redisplays the main menu with this message.

User Response: Ensure that the correct message number or abend code has been entered.

If no message numbers or abend codes appear to be valid, check that the correct DSName has been specified on the CMAC file definition.

Note: This message cannot be changed with the message editing utility.

Destination: Terminal End User

Module: DFHCMAC

DFHME0507 CHECK THAT THE CORRECT DSNAME IS BEING USED.

Explanation: An attempt to retrieve a record from the CMAC data set has been unsuccessful because the CMAC DSName is incorrectly specified.

System Action: The transaction redisplays the main menu with this message.

User Response: Ensure that the correct DSName has been specified on the CMAC file definition.

Note: This message cannot be changed with the message editing utility.

Destination: Terminal End User

Module: DFHCMAC

DFHME0508 THE CMAC TRANSACTION IS INVALID FOR THE CONSOLE.

Explanation: You have tried to invoke the CMAC transaction from a CONSOLE. This is not permitted.

System Action: The CMAC transaction ends with this message.

User Response: Ensure that CMAC is invoked from a terminal that is not being used as a CONSOLE.

Note: This message cannot be changed with the message editing utility.

Destination: Terminal End User

Module: DFHCMAC

DFHME9993I UNABLE TO DETERMINE LENGTH OF MESSAGE *msgno* **-** *response reason*

Explanation: The message DFH*msgno* could not be found by the message (ME) domain in the message tables.

System Action: CICS continues.

User Response: If you are using a message table which has been created using the message editing utility, ensure that all relevant PTFs have been correctly applied.

If the problem persists, you will need further assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Note: This message cannot be changed with the message editing utility.

Destination: Terminal End User

Module: DFHMGPME

DFHME9994I UNABLE TO RETRIEVE MESSAGE *msgno* **-** *response reason*

Explanation: The message DFH*msgno* could not be retrieved by the message (ME) domain from the message tables.

System Action: CICS continues.

User Response: If you are using a message table which has been created using the message editing utility, ensure that all relevant PTFs have been correctly applied.

If the problem persists, you will need further assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Note: This message cannot be changed with the message editing utility.

Destination: Terminal End User

Module: DFHMGPME

DFHME9996I MESSAGE PARAMETER LIST ERROR - CHECK PLIST

Explanation: The parameter list for the message generation process is not valid.

System Action: CICS continues but the message in error cannot be issued.

User Response: Ensure that the DFHMGT entry for the message has been built correctly.

Note: This message cannot be changed with the message editing utility.

Destination: Terminal End User

Module: DFHMGP00

DFHME9997I MESSAGE FIND ERROR - CHECK THE MESSAGE MODULE

Explanation: The message being issued could not be found by the message generation process in the DFHMGT table entry for this message set.

System Action: CICS continues but the message in error cannot be issued.

User Response: Ensure that an entry exists for the message number in the appropriate DFHMGT tables.

Note: This message cannot be changed with the message editing utility.

Destination: Terminal End User

Module: DFHMGP00

DFHME9998I MESSAGE NUMBERS GREATER THAN 9999 ARE INVALID

Explanation: The message being issued has a message number greater than 9999. Message numbers should be in the range 1 through 9999.

System Action: CICS continues but the message in error cannot be issued.

User Response: Redefine the message number.

Note: This message cannot be changed with the message editing utility.

Destination: Terminal End User

Module: DFHMGP00

DFHME9999I THE MESSAGE INDEX MODULE 'DFHMGT' IS MISSING

Explanation: The message generation process cannot find an index module in the DFHMGT table for the message it is trying to issue. This can occur where a message defined as being destined for either a console or a TDQ is being issued as a terminal end user message.

System Action: CICS continues but the message in error cannot be issued.

User Response: Ensure that the destination is correct for the message being issued.

Note: This message cannot be changed with the message editing utility.

Destination: Terminal End User

Module: DFHMGP00

DFHMNxxxx messages

DFHMN0001 *applid* **An abend (code** *aaa/bbbb***) has occurred at offset** *X'offset'* **in module** *modname***.**

Explanation: An abend or program check has occurred in module *modname*. This implies an error in CICS code. Alternatively, it is possible that unexpected data has been input, or storage has been overwritten.

The code *aaa/bbbb* is a 3-digit hexadecimal MVS code (if applicable), followed by a 4-digit alphanumeric CICS code. The MVS code is a system completion code (for example, 0C1 or D37). If an MVS code is not applicable, this field is filled with three hyphens. The CICS code is an abend code or a number referring to a CICS message (for example, AKEA is a CICS abend code; 1310 refers to message DFHTS1310).

System Action: An exception entry is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table. CICS continues unless you have specified in the dump table that CICS should terminate.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: If CICS is still running, it is necessary to decide whether to terminate CICS.

Look up the MVS code, if there is one, in the *OS/390 MVS System Codes* manual.

Next, look up the CICS alphanumeric code in this manual. This tells you, for example, whether the error was a program check, an abend, or a runaway, and may give you some guidance concerning a user response.

If module *modname* is not crucial to the running of your CICS system, you have the option to continue to run and to bring CICS down at a convenient time to resolve the problem.

If you cannot run without the full use of module *modname* you should bring CICS down in a controlled shutdown.

You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Modules: DFHMNDM, DFHMNMN, DFHMNNT, DFHMNSR, DFHMNST, DFHMNSU, DFHMNTI, DFHMNUE, DFHMNXM

XMEOUT Parameters: *applid, aaa/bbbb, X'offset', modname*

DFHMN0002 *applid* **A severe error (code** *X'code'***) has occurred in module** *modname***.**

Explanation: An error has been detected in module *modname*. The code X'*code*' is the exception trace point id which uniquely identifies what the error is and where the error was detected. For further information about CICS exception trace entries, refer to the *CICS Problem Determination Guide*.

System Action: An exception entry (code *code* in the message) is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table. CICS will continue unless you have specified in the dump table that CICS should terminate.

If appropriate, an error return code is sent to the caller of this domain. In this case, CICS could be terminated by the caller (for example, the domain manager, DFHDMDM). A message will be issued to this effect.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Inform the system programmer. This indicates a possible error in CICS code. The severity of its impact depends on the importance of the function being executed at the time of the error.

CICS may not have been terminated.

If the message occurs once and module *modname* is not crucial to the running of your CICS system, you may decide to continue to run and bring CICS down at a convenient time to resolve the problem.

If the message recurs or if you cannot run without the full use of module *module* you should bring CICS down in a controlled shutdown.

You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Modules: DFHMNDM, DFHMNMN, DFHMNNT, DFHMNSR, DFHMNST, DFHMNSU, DFHMNTI, DFHMNUE, DFHMNXM

XMEOUT Parameters: *applid, X'code', modname*

DFHMN0003 *applid* **Insufficient storage to satisfy Getmain (code** *X'code***) in module** *modname***.**

Explanation: A CICS GETMAIN was issued by module *modname*, but there was insufficient storage available to satisfy the request.

The code X'*code*' is the exception trace point ID which uniquely identifies the place where the error was detected.

System Action: An exception entry is made in the trace table (code *code* in the message). A system dump is taken, unless you have specifically suppressed dumps in the dump table. This is a critical error.

If DFHMNDM issues this message, CICS terminates, even if you have specified in the dump table that CICS should not terminate.

If DFHMNMN, DFHMNST or DFHMNXM issues this message, an exception trace and a system dump is taken and CICS continues.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: If CICS has been terminated by another module, look out for the relevant termination messages (from, for example, the domain manager), and look up the user response for these messages.

If CICS is still running, the problem may be a temporary one which will right itself if more storage becomes available. If you can manage without module *modname*, you may decide to continue and bring CICS down at a convenient time to resolve the problem. If the message recurs or if you cannot run without the full use of all CICS modules, you should bring CICS down in a controlled shutdown.

Try increasing the size limits of the DSAs or EDSAs. See the *CICS System Definition Guide* or the *CICS Performance Guide* for further information on CICS storage.

Destination: Console

Modules: DFHMNDM, DFHMNMN, DFHMNST, DFHMNXM

XMEOUT Parameters: *applid, X'code', modname*

DFHMN0004 *applid* **A possible loop has been detected at offset** *X'offset'* **in module** *modname***.**

Explanation: A CICS function is taking more time to process than CICS expects. A possible loop has been detected in module *modname* at offset X'*offset*'. This is the offset of the instruction which was executing at the time the error was detected.

System Action: An exception entry is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table. This is a critical error and CICS is terminated, even if you have specified in the dump table that CICS should not terminate.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Notify the system programmer. If CICS has not been terminated, it will be necessary to decide whether the problem is serious enough to bring CICS down.

Since some CICS functions can use a lot of CPU time, this message may have been caused by a long-running function. So there may not be an error here. Usually, CICS will purge a CICS function which exceeds the runaway task time interval which you have specified in the SIT (this is the ICVR which is measured in milliseconds). This means that module *modname* will be terminated and CICS will continue.

But if you have declared ICVR=0 in the SIT and you consider that module *modname* has gone into a loop, you will have to terminate CICS in order to terminate the runaway function.

If CICS has terminated module *modname*, and you consider that it was not a runaway, you should increase the ICVR time interval in the SIT. You will have to bring CICS down at a suitable time to do this permanently. But you can change the ICVR time interval temporarily online, using the CEMT transaction.

If raising the ICVR time does not solve the problem, you will need further assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Modules: DFHMNDM, DFHMNMN, DFHMNSR, DFHMNST, DFHMNSU, DFHMNTI, DFHMNUE, DFHMNXM

XMEOUT Parameters: *applid, X'offset', modname*

DFHMN0005 *applid* **A hardware error has occurred (module** *modname***, code** *X'code'***). The Time-of-Day clock is invalid.**

Explanation: A hardware error has occurred during the running of module *modname*. The MVS Store Clock facility is the timing mechanism for the operating system.
The code X'*code*' is the exception trace point ID which uniquely identifies the place where the error was detected.

System Action: An exception entry (code X'*code*' in the message) is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table. CICS will continue unless you have specified in the dump table that CICS should terminate. If appropriate, an error return code is sent to the caller of this domain. In this case, CICS could be terminated by the caller (for example, the domain manager, DFHDMDM). A message will be issued to this effect.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Notify the system programmer. This is in all probability a hardware error and you should in the first instance investigate the MVS Store Clock and find out whether it is working properly. If this is the cause, you should take the appropriate action to have it repaired or replaced.

In the unlikely event that this is not a hardware problem, you will need further assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Modules: DFHMNDM, DFHMNMN, DFHMNST, DFHMNUE, DFHMNXM

XMEOUT Parameters: *applid, modname, X'code'*

DFHMN0101 *applid* **SMF error - SMF return code** *X'rc'***.**

Explanation: The monitoring domain authorized services routine issued a SMFEWTM macro to write a record to the MVS system management facilities (SMF) data set and encountered a non-zero return code.

System Action: The request is ignored and the SMF record is lost. An exception entry is made in the trace table. CICS operation continues.

If the same error condition occurs continuously, the error messages are suppressed but tracing continues. The message is reissued if a different error condition occurs or if a zero return code has been received since the message was last issued.

User Response: Consult the *OS/390 MVS System Programming Library: System Management Facilities (SMF)* manual for a detailed explanation of the return codes.

Destination: Console

Module: DFHMNSU

XMEOUT Parameters: *applid, X'rc'*

DFHMN0102 *applid* **SYSEVENT error - SYSEVENT return code** *X'rc'***.**

Explanation: The monitoring domain authorized services routine issued a SYSEVENT macro to notify the MVS System Resource Manager (SRM) that a subsystem transaction had been completed and had encountered a nonzero return code.

System Action: The request is ignored and the SYSEVENT data is lost. An exception entry is made in the CICS trace table. CICS operation continues.

If the same error condition occurs continuously, the error messages are suppressed but tracing continues. The message is reissued if a different error condition occurs or if a zero return code has been received since the message was last issued.

User Response: See the *OS/390 MVS Programming: Authorized Assembler Services Reference* for an explanation of the return codes.

Destination: Console

Module: DFHMNSU

XMEOUT Parameters: *applid, X'rc'*

DFHMN0103I *applid* **Monitoring control table for suffix '***xx***' not found.**

Explanation: The monitoring control table for suffix *xx* could not be found in the library described by the DFHRPL DD statement. This suffix is specified as a system initialization parameter.

System Action: Control is returned to the parameter manager for interaction with the operator. Further action depends upon which PARMERR= parameter is specified. The operator may enter another suffix or continue with system initialization.

If initialization continues without an override, monitoring domain uses the default monitoring control table.

User Response: There are three likely causes of this error:

- The monitoring control table is not in the library.
- The monitoring control table name has been misspelled.
- An incorrect suffix has been used at startup.

Ensure that the suffix specified is correct and that a library described in the DFHRPL DD statement contains a copy of the named monitoring control table.

If the suffix is incorrect and PARMERR=INTERACT is specified, the operator is prompted to enter an alternative suffix.

If the suffix is incorrect and PARMERR=IGNORE is specified, the monitoring domain uses the default monitoring control table.

If the monitoring control table is missing or misspelled and you want to reinstall it, CICS has to be terminated. Reassemble the monitoring control table into the relevant library.

Destination: Console

Module: DFHMNSR

XMEOUT Parameters: *applid, xx*

DFHMN0104 *applid* **Monitoring Control Table with suffix '***xx***' required for restart not found.**

Explanation: The monitoring domain has determined the monitoring control table suffix *xx* from the last CICS execution, but was unable to locate the monitoring control table in the library described by the DFHRPL DD statement and no override suffix has been specified.

Subsequent executions of CICS will continue to use the suffix specified in the message until it is changed in the SIT.

System Action: Initialization continues with the monitoring domain using the default monitoring control table.

User Response: Ensure that a library described in the DFHRPL DD statement contains a copy of the named monitoring control table. If the monitoring control table is missing, it must have been deleted. If you want to reinstall the table, CICS must be terminated. Reassemble the monitoring control table into the relevant library.

Destination: Console

Module: DFHMNDM

XMEOUT Parameters: *applid, xx*

DFHMN0105I *applid* **Using default Monitoring Control Table.**

Explanation: The monitoring domain is initializing with default monitoring control table settings. This occurs:

1. If the user has specified MCT=NO, or
2. Following message DFHMN0104, or
3. After message DFHMN0103 or DFHMN0106 has been issued, but no corrective action has been taken.

System Action: System initialization continues.

User Response: None.

Destination: Console

Module: DFHMNDM

XMEOUT Parameter: *applid*

DFHMN0106 *applid* **Unable to read the catalog record for the Monitoring Domain.**

Explanation: The monitoring domain has attempted to re-establish the status of the monitoring classes and the monitoring control table suffix under which it was running during the last execution of CICS. But it was unable to successfully read the record from the global catalog.

System Action: An exception entry is made in the trace table.

System initialization continues with the supplied system initialization parameters.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Investigate the cause of the error using any dump or other diagnostic messages which have been issued (for example, from VSAM or MVS).

If the problem has been caused by an I/O error, there will be an earlier CICS message from the catalog. Follow the user response for this message.

If the problem has been caused by an invalid data length, there will be an exception trace entry in the trace table.

Destination: Console

Module: DFHMNDM

XMEOUT Parameter: *applid*

DFHMN0107 *applid* **Unable to update the catalog record for the Monitoring Domain.**

Explanation: The monitoring domain has attempted to update either the status of the monitoring classes or the monitoring control table suffix in the CICS global catalog, but was unable to successfully complete the request.

System Action: An exception entry is made in the trace table, and CICS operation continues with the updated values. Since the updates are not saved across a restart, the subsequent execution of CICS will restart with values recorded before the updates were applied.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Investigate the cause of the error using any dump or other diagnostic messages which have been issued (for example, from VSAM or MVS).

If the problem has been caused by an I/O error, there will be an earlier CICS message from the catalog. Follow the user response for this message.

If the problem has been caused by an invalid data length, there is an exception trace entry in the trace table.

Destination: Console

Module: DFHMNSU

XMEOUT Parameter: *applid*

DFHMN0108I *applid* **Using Monitoring Control Table suffix '***xx***'.**

Explanation: The monitoring control table with the suffix *xx* is used for this CICS run.

System Action: Processing continues.

User Response: None. You can suppress this message with the system initialization parameter, MSGLVL=0.

Destination: Console

Module: DFHMNDM

XMEOUT Parameters: *applid, xx*

DFHMN0109I *applid* **CICS Monitoring is active.**

Explanation: The CICS monitoring facility is currently active for this run of CICS.

System Action: Processing continues.

User Response: None. You can suppress this message with the system initialization parameter, MSGLVL=0.

Destination: Console

Module: DFHMNDM

XMEOUT Parameter: *applid*

DFHMN0110I *applid* **CICS Monitoring is inactive.**

Explanation: The CICS monitoring facility is currently inactive for this run of CICS.

System Action: Processing continues.

User Response: None. You can suppress this message with the system initialization parameter, MSGLVL=0.

Destination: Console

Module: DFHMNDM

XMEOUT Parameter: *applid*

DFHMN0111 *applid* **SYSEVENT retry unsuccessful , data lost: transid** *transid* **userid** *userid***.**

Explanation: The Monitoring Domain Authorized services routine issued a SYSEVENT macro to notify the MVS System Resource Manager (SRM) that a subsystem transaction had been completed, and had still encountered a return code of 8 after five retries.

System Action: The request is ignored, and the SYSEVENT data is lost.

User Response: Refer to the *OS/390 MVS Initialization and Tuning* manual or the *OS/390 MVS Programming: Authorized Assembler Services Reference* for a detailed explanation of the return codes.

Destination: Console

Module: DFHMNSU

XMEOUT Parameters: *applid, transid, userid*

DFHMN0201 S Invalid parameter. The equals sign is missing.

Explanation: A SYSIN parameter has been encountered that does not contain an equals sign. Equals signs are mandatory for every keyword supported by the monitoring dictionary utility.

System Action: The job step is terminated with a return code of 12.

User Response: Correct the SYSIN keyword that does not have an equals sign and resubmit the job. For further guidance on the syntax of DFHMNDUP keywords, see the *CICS Operations and Utilities Guide*.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHMNDUP

DFHMN0202 S Invalid parameter. MCT incorrectly specified

Explanation: Following the equals sign of the MCT= keyword there must be a 2-character operand or a delimiter. Neither has been found. The 2-character operand is treated as the suffix for an MCT to load.

System Action: The job step is terminated with a return code of 12.

User Response: Correct the MCT= keyword with a valid operand or delimiter.

If you do not wish to have a dictionary record constructed from a particular MCT, you can use a default MCT image by specifying a blank or a comma after the equals sign, or by specifying MCT=NO. For further guidance, see the *CICS Operations and Utilities Guide*.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHMNDUP

DFHMN0203 S Invalid parameter. SYSID must be four characters or less.

Explanation: A SYSID of greater than 4 characters, or a SYSID keyword without an operand has been specified.

System Action: The job step is terminated with a return code of 12.

User Response: Specify a valid SYSID of up to 4 characters. For further guidance, see the *CICS Operations and Utilities Guide*.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHMNDUP

DFHMN0204 S Invalid parameter. GAPPLID must be eight characters or less.

Explanation: A generic APPLID (GAPPLID) of greater than 8 characters, or a GAPPLID keyword without an operand has been specified.

System Action: The job step is terminated with a return code of 12.

User Response: Specify a valid GAPPLID of up to 8 characters. For further guidance, see the *CICS Operations and Utilities Guide*.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHMNDUP

DFHMN0205 S Invalid parameter. SAPPLID must be eight characters or less.

Explanation: A specific APPLID (SAPPLID) of greater than 8 characters has been specified.

System Action: The job step is terminated with a return code of 12.

User Response: Specify a valid SAPPLID of up to 8 characters or allow the SAPPLID to default to the GAPPLID by not specifying SAPPLID. For further guidance, see the *CICS Operations and Utilities Guide*.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHMNDUP

DFHMN0206 S Invalid parameter. DATE must be of format yyddd or yyyyddd.

Explanation: The date has been specified incorrectly. There are three possible reasons for this:

- The date specified is not in the correct format of yyddd or yyyyddd
- The date contains nonnumeric characters
- 'ddd' is not in the range 1 through 366.

System Action: The job step is terminated with a return code of 12.

User Response: Ensure that the date is in the format 'yyddd' or 'yyyyddd' and that the values are valid.

If you want DATE to default to the current date, do not specify this parameter. For further guidance, see the *CICS Operations and Utilities Guide*.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHMNDUP

DFHMN0207 S Invalid parameter. TIME must be of format hhmmss.

Explanation: The time has been specified incorrectly. There are three possible reasons for this:

- More than 6 characters have been specified
- The value specified contains nonnumeric characters
- The hours (hh), minutes (mm), or seconds (ss) are outside of the valid range.

System Action: The job step is terminated with a return code of 12.

User Response: Ensure that the time specified is in the format 'hhmmss' and that the values are valid.

If you want TIME to default to the current time, do not specify this parameter. For further guidance, see the *CICS Operations and Utilities Guide*.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHMNDUP

DFHMN0208 S Invalid parameter. Keyword is unknown.

Explanation: A SYSIN parameter has been processed and found to contain an unrecognized keyword.

System Action: The job step is terminated with a return code of 12.

User Response: Rename the unrecognized keyword. See the *CICS Operations and Utilities Guide*. for a complete list of supported keywords. Also, ensure that there are no blanks preceding any of the keywords in the SYSIN data set.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHMNDUP

DFHMN0209 S No SYSIN parameters have been specified.

Explanation: There are no SYSIN parameters specified in the JCL.

System Action: The job step is terminated with a return code of 12.

User Response: Check the JCL for the existence of SYSIN parameters. If SYSIN does not exist or has no parameters, see the *CICS Operations and Utilities Guide* for guidance on coding DFHMNDUP parameters.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHMNDUP

DFHMN0210 S *applid* Load for MCT has failed. MCT cannot be found. A dump will be provided.

Explanation: DFHMNDUP attempted to load 'DFHMCTxx' from STEPLIB, where 'xx' is the suffix provided via the MCT= keyword. This MCT was not found in the STEPLIB concatenation.

System Action: The job step is abended with a dump.

User Response: Ensure that the MCT suffix is correct and that the library that contains it is in the STEPLIB concatenation for the job step.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHMNDUP

DFHMN0211 S Getmain storage for control blocks has failed.

Explanation: An MVS GETMAIN for the utilities global storage has failed. There is not enough MVS storage below the line available in the region.

System Action: The job step is terminated with a return code of 12.

User Response: Increase the REGION= parameter of your JCL and try again. If this fails, consult your MVS system programmer.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHMNDUP

DFHMN0212 S Getmain storage for output record has failed.

Explanation: An MVS GETMAIN for the 32KB record buffer storage has failed. There is not enough MVS storage below the line available in the region.

System Action: The job step is terminated with a return code of 12.

User Response: Increase the REGION= parameter of your JCL and try again. If this fails, consult your MVS system programmer.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHMNDUP

DFHMN0213 S The MVS TIME macro has failed. There is a clock error.

Explanation: Because DATE and/or TIME have not been specified, DFHMNDUP has attempted to retrieve the current DATE and/or TIME from MVS using the TIME macro. The TIME macro has reported that the MVS clocks are damaged.

System Action: The job step is terminated with a return code of 12.

User Response: Inform your MVS system programmer of the failure.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHMNDUP

DFHMN0214 S Invalid parameter. Missing delimiter detected.

Explanation: DFHMNDUP parameter syntax requires keyword/operand pairs to be separated by a delimiter in the form of a comma or a blank space. A delimiter has been found missing from a keyword/operand.

System Action: The job step is terminated with a return code of 12.

User Response: If the SYSIN data set has been coded such that there are multiple parameters on one line, then ensure that there is one blank or one comma between each parameter. If the SYSIN data set has been coded such that there is only one parameter on a line, ensure that it is terminated with a blank or a comma. For further guidance on the syntax of DFHMNDUP parameters, see the *CICS Operations and Utilities Guide*.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHMNDUP

DFHMN0215 S Mandatory SYSIN parameter(s) missing.

Explanation: The two mandatory parameters are for the generic APPLID (GAPPLID) and the MVS system identifier (SYSID). These two parameters have not been specified and there are no defaults.

System Action: The job step is terminated with a return code of 12.

User Response: Specify the following:

- the generic APPLID of the CICS system that DFHMNDUP is going to produce a dictionary record for
- the MVS system identifier for the MVS system that produced the monitoring performance class records you are going to process.

For further guidance on the syntax of DFHMNDUP parameters, see the *CICS Operations and Utilities Guide*.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHMNDUP

DFHMN0216 S Invalid parameter. JOBNAME must be eight characters or less.

Explanation: A JOBNAME has been specified with more than eight characters.

System Action: The job step is terminated with a return code of 12.

User Response: Specify a valid JOBNAME of up to eight characters. For further guidance, see the *CICS Operations and Utilities Guide*.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHMNDUP

DFHMN0217 S Invalid parameter. JOBDATE must be of format yyddd or yyyyddd.

Explanation: The JOBDATE parameter has been specified incorrectly. There are three possible reasons for this:

- The date specified is not in the correct format of yyddd or yyyyddd
- Nonnumeric characters have been specified
- The number of days 'ddd' is not in the range 1 through 366.

System Action: The job step is terminated with a return code of 12.

User Response: Ensure that JOBDATE consists of valid characters in the format 'yyddd' or 'yyyyddd'.

If you want JOBDATE to default to the current date, do not specify this parameter. For further guidance, see the *CICS Operations and Utilities Guide*.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHMNDUP

DFHMN0218 S Invalid parameter. JOBTIME must be of format hhmmss.

Explanation: The JOBTIME parameter has been specified incorrectly. There are three possible reasons for this:

- More than six characters have been specified
- Nonnumeric characters have been specified
- The hours (hh), minutes (mm), or seconds (ss) are outside of the valid range.

System Action: The job step is terminated with a return code of 12.

User Response: Ensure that JOBTIME consists of valid characters in the format 'hhmmss'.

If you want JOBTIME to default to the current time, do not specify this parameter. For further guidance, see the *CICS Operations and Utilities Guide*.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHMNDUP

DFHMN0219 S Invalid parameter. USERID must be eight characters or less.

Explanation: A USERID has been specified with more than eight characters.

System Action: The job step is terminated with a return code of 12.

User Response: Specify a valid USERID of up to eight characters. For further guidance, see the *CICS Operations and Utilities Guide*.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHMNDUP

DFHMN0220 DFHMNDUP CANNOT OPEN THE SYSPRINT FILE.

Explanation: The SYSPRINT file cannot be opened because the SYSPRINT DD statement is missing or incorrectly defined.

System Action: The job step is terminated with a return code of 12.

User Response: Ensure that the SYSPRINT DD statement has been correctly defined. For further guidance, see the *CICS Operations and Utilities Guide*.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHMNDUP

DFHMN0221 DFHMNDUP CANNOT OPEN THE SYSIN FILE.

Explanation: The SYSIN file cannot be opened because the SYSIN DD statement is missing or incorrectly defined.

System Action: The job step is terminated with a return code of 12.

User Response: Ensure that the SYSIN DD statement has been correctly defined. For further guidance, see the *CICS Operations and Utilities Guide*.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHMNDUP

DFHMUxxxx Message editing utility messages

DFHMU0102 SOURCE DATA FILE NOT FOUND, OR RECORD FORMAT OR LENGTH NOT VALID.

Explanation: Either the input file has been deleted or has not been defined correctly.

System Action: Processing terminates.

User Response: Ensure the input file exists and has been defined as RECFM F LRECL 80.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHMEU

DFHMU0103 UNRECOGNIZED CONTROL WORD ON INPUT DATA RECORD.

Explanation: An unrecognized control word was encountered during processing. The line printed following this message contains the word in error.

System Action: Processing continues.

User Response: Correct or remove the incorrect control word.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHMEU

DFHMU0104 MISPLACED INPUT RECORD IN DATA SEQUENCE.

Explanation: An input record has been placed incorrectly. The record in error is printed after this message.

System Action: Processing continues.

User Response: Place the record in error in the correct position.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHMEU

DFHMU0105 PREMATURE END OF FILE REACHED IN 'SCANPARAMS' DATA SEQUENCE.

Explanation: End of file (EOF) was detected while processing the SCANPARAMS section of the message source (DFHMExxE) file.

System Action: Processing terminates.

User Response: Check the message source file for corruption and ensure that the SCANPARAMS section and subsequent message definitions have been completed.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHMEU

DFHMU0106 PREMATURE END OF FILE REACHED IN 'MEMBERLIST' DATA SEQUENCE.

Explanation: Processing of a link-edit (DFHMETxx) file has ended because of an unexpected end-of-file (EOF) condition in the MEMBERLIST section.

System Action: Processing terminates.

User Response: Correct and complete the MEMBERLIST section of the link-edit file.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHMEU

DFHMU0107 PREMATURE END OF FILE REACHED IN 'GLOBALS' DATA SEQUENCE.

Explanation: Processing of the DFHME00x file (where x is the current language suffix identifier) GLOBALS section was terminated due to an end-of-file (EOF) condition.

System Action: Processing terminates.

User Response: Check DFHME00x for corruption, and ensure that the GLOBALS section is complete and valid.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHMEU

DFHMU0108 MESSAGE *msgno*: PREMATURE END OF FILE REACHED IN 'MSGDEF' DATA SEQUENCE.

Explanation: An end-of-file (EOF) condition was encountered during the processing of message *msgno*. This is due to an incomplete message definition.

System Action: Processing terminates.

User Response: Complete the message definition for *msgno*.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHMEU

DFHMU0109 NEXT LINE IS INCORRECT. IT MUST BE 'MEMBERLIST', 'SCANPARAMS', 'GLOBALS', OR 'MSGDEF'.

Explanation: The next line in the message source file being processed has not been recognized.

System Action: Processing terminates after the validation routine.

User Response: Ensure that the following parameters are present.

- MEMBERLIST in message link-edit (DFHMETxx) files.
- SCANPARAMS as the first parameter in all message source (DFHMExxE) files.
- GLOBALS in the NLS module DFHMET00x (where x is the current language suffix identifier).
- MSGDEF at the start of all message definition groups.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHMEU

DFHMU0110 MISPLACED RECORD IN 'SCANPARAMS' SEQUENCE.

Explanation: A record is not recognized as being part of the SCANPARAMS sequence. The record is printed after this message.

System Action: Processing terminates after the validation routine.

User Response: Reposition the incorrect parameter from the SCANPARAMS sequence in its correct position in the file. If the parameter is unknown, remove it from the file.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHMEU

DFHMU0111 INCORRECT INPUT RECORD FOUND WHEN 'MEMBER' EXPECTED.

Explanation: The keyword encountered on the record being processed is invalid for the link-edit (DFHMETxx) files. The record is printed after this message.

System Action: Processing continues.

User Response: Correct or remove the invalid record.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHMEU

DFHMU0112 MISPLACED RECORD IN 'GLOBALS' SEQUENCE

Explanation: A keyword has been encountered that is not valid in the GLOBALS section of the message file. The record in error is printed after this message.

System Action: Processing continues.

User Response: Correct or remove the record containing the invalid keyword.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHMEU

DFHMU0113 MISPLACED RECORD IN 'MSGDEF' SEQUENCE

Explanation: A record is out of sequence in the message definition. The record in error is printed after this message.

System Action: Processing continues.

User Response: Sequence the message definition records correctly.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHMEU

DFHMU0114 NUMBER OF MEMBERS IN MEMBERLIST EXCEEDS MAXIMUM ALLOWED.

Explanation: The maximum of 150 message members has been exceeded in the link-edit DFHMETxx module.

System Action: Processing continues.

User Response: Reduce the number of members in the MEMBERLIST section.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHMEU

DFHMU0115 MESSAGE *msgno*: TOO MANY SOURCE LINES.

Explanation: The maximum of 80 non-null and non-comment source lines has been exceeded in message *msgno*.

System Action: Processing continues.

User Response: Reduce the number of source lines in message *msgno*.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHMEU

DFHMU0116 'MEMBER' RECORD IS NOT A VALID 2-CHARACTER MESSAGE COMPONENT IDENTIFIER.

Explanation: The DFHMET*xx* member record printed after this message has an incorrect identifier.

System Action: Processing continues.

User Response: Ensure that all message component identifiers (MEMBER records) are correct.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHMEU

DFHMU0117 VALUE MISSING FOR KEYWORD ON GLOBAL OR PARAMETER RECORD.

Explanation: The keyword on the record printed after this message requires a value.

System Action: Processing continues.

User Response: Enter the required value for the keyword.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHMEU

DFHMU0118 MESSAGE *msgno*: NO DATA DEFINED BETWEEN 'MSGDEF' AND 'ENDMSG'.

Explanation: The message definition for message *msgno* is incomplete. Only the MSGDEF and ENDMSG records have been created.

System Action: Processing continues.

User Response: Complete or remove the definition of message *msgno*.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHMEU

DFHMU0119 MESSAGE *msgno*: INVALID KEYWORD FOUND ON 'MSGDEF' DATA RECORD.

Explanation: A keyword specified on the MSGDEF record is not known to the system.

System Action: Processing continues.

User Response: Ensure that the spelling of the MSGDEF keywords is correct.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHMEU

DFHMU0120 MESSAGE NUMBER IS MISSING OR NOT A VALID 4-DIGIT NUMBER.

Explanation: A message number is missing or does not consist of 4 digits.

System Action: Processing continues.

User Response: Specify a valid 4-digit message number after the MSGNO keyword.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHMEU

DFHMU0121 MESSAGE *msgno*: DESTINATION NAME MISSING FROM 'DEST' RECORD.

Explanation: The destination identifier is missing from the DEST keyword in message *msgno*.

System Action: Processing continues.

User Response: Specify a valid destination identifier.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHMEU

DFHMU0122 MESSAGE *msgno*: NO DELIMITERS FOUND FOR TEXT STRING.

Explanation: Opening and closing delimiters are missing from a text string in message *msgno*. The text string is printed after this message.

System Action: Processing continues.

User Response: Ensure all text strings are enclosed in delimiters.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHMEU

DFHMU0123 MESSAGE *msgno*: AN OPENING OR CLOSING DELIMITER IS MISSING FROM A TEXT STRING.

Explanation: An opening or closing delimiter is missing from a text string in message *msgno*. The text string is printed after this message.

System Action: Processing continues.

User Response: Ensure that all text strings are enclosed in delimiters.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHMEU

DFHMU0124 MESSAGE *msgno*: SUFFIX FOR 'INS#NN','REPLY#NN' OR 'VALUE#NN' IS INCORRECT. 'NN' MUST BE IN RANGE 1 TO 10.

Explanation: A maximum of 10 inserts is permitted for each message definition. The insert number *nn* in INS#*nn*, REPLY#*nn*, or VALUE#*nn* in message *msgno* has been mistyped or exceeds the maximum value.

System Action: Processing continues.

User Response: Correct the insert number.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHMEU

DFHMU0125 MESSAGE *msgno*: INSERT DATA RECORD HAS 'FORMAT' KEYWORD MISPLACED OR MISSPELLED.

Explanation: The FORMAT keyword for the record that defines an insert has either been misplaced or misspelled. FORMAT must always be the first keyword of the insert definition.

The incorrect record is printed after this message.

System Action: Processing continues.

User Response: Correct the spelling or position of the FORMAT keyword.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHMEU

DFHMU0126 MESSAGE *msgno*: INVALID FORMAT TYPE. FORMAT MUST BE CHAR, HEX, DEC, TIME, OR DATE.

Explanation: The format type which is specified after the FORMAT keyword for message *msgno* is not valid. The FORMAT record at fault is printed after this message.

System Action: Processing continues.

User Response: Specify CHAR, HEX, DEC, TIME, or DATE after the FORMAT keyword.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHMEU

DFHMU0127 MESSAGE *msgno*: 'FORMAT' OPERAND IS INCOMPLETE. 'FORMAT' MUST BE CHAR, HEX, DEC, TIME, OR DATE.

Explanation: The FORMAT record in message *msgno* is incomplete. The record at fault is printed after this message.

System Action: Processing continues.

User Response: Complete the FORMAT record details.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHMEU

DFHMU0128 MESSAGE *msgno*: VALUE#*nn* KEYWORD INCORRECT OR MISSING ON INS#*nn* DATA RECORD.

Explanation: The keyword VALUE has been misspelled or is missing on the INSERT record of message *msgno*. The record at fault is printed after this message.

System Action: Processing continues.

User Response: Correct the record.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHMEU

DFHMU0129 MESSAGE *msgno*: INVALID KEYWORD *keyword* ON 'SPECIAL_INSERT/TIMESTAMP' CARD.

Explanation: An invalid keyword *keyword* follows the TIME special insert record.

System Action: Processing continues.

User Response: Correct or remove the invalid keyword.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHMEU

DFHMU0130 MESSAGE *msgno*: INTERNAL LOGIC ERROR CONVERTING FULLWORD TO CHARACTER FORMAT.

Explanation: The value of the message number being processed is greater than 9999. This is an internal error caused by the corruption of DFHMEU.

System Action: Processing terminates.

User Response: Restore DFHMEU and retry the process. If the process fails again, you will need further assistance. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHMEU

DFHMU0131 MESSAGE *msgno*: DESTINATION IS NOT VALID.

Explanation: The destination for message *msgno* is not recognized.

System Action: Processing terminates at the end of the validation routine.

User Response: Specify a valid message destination after the DEST keyword for message 'msgno'.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHMEU

DFHMU0132 MESSAGE *msgno*: ONE OR MORE SHIFT-OUT OR SHIFT-IN SYMBOLS MISPLACED OR MISSING.

Explanation: One or more Shift-Out or Shift-In symbols have not been found in the double-byte character set (DBCS) message *msgno*.

System Action: Processing continues.

User Response: Ensure all text strings in DBCS messages are surrounded by Shift-Out and Shift-In symbols.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHMEU

DFHMU0133 INVALID VALUE FOR GLOBAL FORMAT DEFINITION.

Explanation: The value listed for the keyword on the record printed after this message is not valid.

System Action: Processing continues.

User Response: Correct the keyword value.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHMEU

DFHMU0134 MESSAGE *msgno* IS OUT OF SEQUENCE IN SOURCE FILE.

Explanation: The definition of message *msgno* is out of sequence in the message file. Message definitions must be positioned in ascending order of their message numbers.

System Action: Processing continues.

User Response: Move the definition of message *msgno* to its correct position in the source file.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHMEU

DFHMU0135 MESSAGE *msgno*: DUPLICATE MESSAGE NUMBER IN SOURCE FILE.

Explanation: The message *msgno* has already been defined in the message file.

System Action: Processing continues.

User Response: Remove the duplicate message definition or reassign with a unique message number.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHMEU

DFHMU0136 MESSAGE *msgno*: PREMATURE END OF FILE IN 'SYMDEF' DATA SEQUENCE.

Explanation: End of file (EOF) was detected while processing the SYMDEF section of the message definition. The SYMDEF section should be terminated by an ENDSYM record.

System Action: Processing terminates.

User Response: Insert an ENDSYM record to terminate the SYMDEF section of message *msgno*.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHMEU

DFHMU0137 MESSAGE *msgno*: UNRECOGNIZED SYMPTOM KEYWORD.

Explanation: The record being processed is not recognized as a symptom keyword.

System Action: All records up to the next ENDSYM keyword are rejected. If a record with an ENDSYM is not found, all records are rejected until end of file.

User Response: Ensure that an ENDSYM record exists for the symptom section and that all keywords are valid.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHMEU

DFHMU0138 MESSAGE *msgno*: MISSING SYMPTOM ARGUMENT.

Explanation: The SYMPTOM keyword printed after this message does not have an associated argument.

System Action: Processing continues.

User Response: Add a valid argument to the SYMPTOM keyword for message *msgno*.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHMEU

DFHMU0139 MESSAGE *msgno*: INVALID SYMPTOM ARGUMENT: INS#*n* | SPECIAL_INSERT | TEXT STRING.

Explanation: The argument specified for the SYMPTOM keyword printed after this message is not valid.

System Action: Processing continues.

User Response: Correct the SYMPTOM keyword argument for message *msgno*.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHMEU

DFHMU0140 MESSAGE *msgno*: UNDEFINED INSERT IN SYMPTOM OR EXIT RECORD.

Explanation: The insert number specified on the SYMPTOM or EXIT record printed after this message has not been defined in the message definition.

System Action: Processing continues.

User Response: Correct the SYMPTOM or EXIT keyword insert.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHMEU

DFHMU0141 MESSAGE *msgno*: SYMPTOM DATA ARGUMENT IS NOT VALID.

Explanation: The argument specified for the SYMPTOM keyword shown following this message is incorrect for this symptom.

System Action: Processing continues.

User Response: Ensure that the specified argument is the correct one for the SYMPTOM keyword.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHMEU

DFHMU0142 MESSAGE *msgno*: SPECIAL INSERT IS NOT VALID AS A SYMPTOM ARGUMENT.

Explanation: The special insert specified as an argument to the SYMPTOM keyword for message *msgno* is not valid in the symptom string. The symptom record is printed after this message.

System Action: Processing continues.

User Response: Correct the symptom record.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHMEU

DFHMU0143 MESSAGE *msgno*: TEXT SYMPTOM ARGUMENT CONTAINS INVALID CHARACTERS.

Explanation: The text specified in the SYMPTOM argument contains one or more characters that are not allowed in IBM's RETAIN system.

System Action: Processing continues.

User Response: Ensure text arguments for SYMPTOM keywords contain only the following characters **A** to **Z**, **0** to **9**, **@**, **#**, **¢**, and **&**.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHMEU

DFHMU0144 MESSAGE *msgno*: NO ROUTECODES SPECIFIED. DEFAULTING TO 2 AND 11.

Explanation: The ROUTECODES keyword has been specified without any routecodes and has defaulted to routecodes 2 and 11.

System Action: Processing continues.

User Response: Accept the defaults or specify alternate valid routecodes.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHMEU

DFHMU0145 MESSAGE *msgno*: INVALID DESTINATION KEYWORD. IT SHOULD BE *x*.

Explanation: The system encountered an invalid destination keyword. The valid keyword should be *x*. The line in error is printed after this message.

System Action: Processing continues.

User Response: Correct the destination keyword.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHMEU

DFHMU0146 MESSAGE *msgno* ROUTECODE *x* IS OUT OF RANGE. VALID RANGE IS >0 TO <=*n*.

Explanation: An invalid value has been specified for a routecode.

System Action: Processing continues.

User Response: Correct the routecode value. The routecode should be greater than 0 and less than or equal to *n*.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHMEU

DFHMU0147 MESSAGE *msgno*: TRANSIENT DATA QUEUE *qname* IS NOT VALID.

Explanation: The destination transient data queue (TDQ) *qname* in message *msgno* is unknown to the system.

System Action: Processing continues.

User Response: Correct the TDQ name.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHMEU

DFHMU0148 MESSAGE *msgno*: THE VALUE *x* IS NOT VALID. IT MUST BE NUMERIC.

Explanation: An EXIT parameter has been specified with a nonnumeric value.

System Action: Processing continues.

User Response: Ensure all EXIT parameters are defined with numeric values.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHMEU

DFHMU0149 MESSAGE *msgno*: INVALID ARGUMENT GIVEN FOR EXIT PARAMETER *n*.

Explanation: The insert argument specified on EXIT parameter *n* is unknown.

System Action: Processing continues.

User Response: Specify a valid argument for the exit parameter *n*.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHMEU

DFHMU0150 MESSAGE *msgno*: EXIT PARAMETER *n* SPECIFIES AN INSERT NOT IN THE MESSAGE DEFINITION.

Explanation: The EXIT parameter *n* has specified an insert which does not exist in the definition template of message *msgno*.

System Action: Processing continues.

User Response: Specify only existing inserts for the EXIT parameters.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHMEU

DFHMU0151 MESSAGE *msgno*: NO EXIT PARAMETERS HAVE BEEN SPECIFIED.

Explanation: No EXIT parameters have been specified for this message. These are required because the message contains inserts.

System Action: Processing continues.

User Response: Add user exit information to the message definition.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHMEU

DFHMU0152 MESSAGE *msgno*: EXIT PARAMETER *n* IS MISSING.

Explanation: The EXIT parameter for insert *n* is missing.

System Action: Processing continues.

User Response: Insert the missing EXIT parameter.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHMEU

DFHMU0153 MESSAGE *msgno*: EXIT PARAMETER NUMBER IS NOT VALID. IT MUST BE GREATER THAN ZERO.

Explanation: An EXIT parameter number was defined with a number of zero. These parameter numbers should start from 1.

System Action: Processing continues.

User Response: Renumber the EXIT parameters correctly.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHMEU

DFHMU0154 MESSAGE *msgno*: INSERT *n* DOES NOT HAVE AN EXIT PARAMETER.

Explanation: A mismatch was found between the number of inserts and the user exit parameters defined for this message. There must be an EXIT parameter defined for each message insert.

System Action: Processing continues.

User Response: Correct the user exit parameters defined for this message.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHMEU

DFHMU0155 MESSAGE *msgno*: QUEUE NAME MISSING FROM TDQ DESTINATION.

Explanation: Message *msgno* has a transient data queue (TDQ) destination type but no TDQ name has been specified.

System Action: Processing continues.

User Response: Enter a valid TDQ name.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHMEU

DFHMU0156 MESSAGE *msgno*: 'QUEUES' KEYWORD IS MISSING.

Explanation: The TDQ destination QUEUES keyword has been omitted from the definition of message *msgno*.

System Action: Processing continues.

User Response: Specify the QUEUES keyword and a valid TDQ name.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHMEU

DFHMU0157 MESSAGE *msgno*: KEYWORD *keyword* HAS ALREADY BEEN SPECIFIED.

Explanation: The destination keyword *keyword* has already been specified for message *msgno*.

System Action: Processing continues.

User Response: Remove the duplicate entry or merge the destinations with the previous destination definition for this message.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHMEU

DFHMU0158 MESSAGE *msgno*: TOO MANY INSERTS ON SPECIAL INSERT LINE.

Explanation: More than four special inserts have been specified on one line.

System Action: Processing continues.

User Response: If you need more than four special inserts, create another SPECIAL_INSERT line with the extra inserts.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHMEU

DFHMU0159 MESSAGE *msgno* DESTINATION *destid*: TDQ NAME OR ROUTE CODE *destname* IS REPEATED.

Explanation: The destination *destid*, (either console or TDQ), has a duplicate *destname* entry. The *destname* is a route code if *destid* is console, or a transient data queue name if *destid* is TDQ.

System Action: Processing continues.

User Response: Correct the destination information for this message by removing the duplicate entry.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHMEU

DFHMU0160 MESSAGE *msgno*: INSERT *n* HAS ALREADY BEEN SPECIFIED.

Explanation: The insert *n* has been repeated in the definition of the exit parameters. There should only be one exit parameter per insert.

System Action: Processing continues.

User Response: Correct the insert definition in the exit parameter section of message *msgno*.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHMEU

DFHMU0162 'MEXDEF' KEYWORD IS MISSING OR MISPLACED.

Explanation: The MEXDEF keyword is either missing or in the wrong place. This keyword signifies the start of the user exit parameters definition section. It should appear after the definition of the message text and before the ENDMSG keyword.

System Action: Processing continues.

User Response: Ensure the MEXDEF keyword is present and in the correct place.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHMEU

DFHMU0163 MESSAGE *msgno*: 'MEXDEF' IS SPECIFIED BUT NO INSERTS EXIST IN THE MESSAGE DEFINITION..

Explanation: The MEXDEF keyword has been included in the definition of message *msgno* but there are no inserts defined for it. MEXDEF indicates the start of the user exit parameter definition section, and user exit parameters are only needed when a message contains inserts.

System Action: Processing continues.

User Response: Remove the MEXDEF keyword or ensure that message inserts have not been omitted from the message template.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHMEU

DFHMU0165 MESSAGE *msgno*: 'MEXDEF' SPECIFIED FOR A MESSAGE THAT IS NEITHER CONSOLE NOR TDQ.

Explanation: A MEXDEF record has been included in a message definition when the output destination is not Console or TDQ. The MEXDEF record implies that the message is available for the message user exit. Only messages to a console or TDQ destination can go through the message user exit.

System Action: Processing continues.

User Response: Either remove the MEXDEF record or change the message destination.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHMEU

DFHMU0166 MESSAGE *msgno*: USER EXIT DATA SPECIFIED FOR A BOOKONLY OR OFFLINE MESSAGE.

Explanation: User exit parameters have been specified for message *msgno* which is not produced by the message domain because it is a bookonly or offline message. This message does not need user exit parameters as it is not available for the message user exit.

System Action: Processing continues.

User Response: Ensure that message *msgno* has been correctly defined as bookonly or offline. If it has, remove the user exit parameters.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHMEU

DFHMU0167 MESSAGE *msgno*: 'ROUTECODES' OR 'QUEUES' KEYWORD IS OUT OF SEQUENCE.

Explanation: A ROUTECODES or QUEUES keyword is in the wrong position in the message definition template.

System Action: Processing continues.

User Response: Correct the keyword sequence. The ROUTECODES keyword should be on the DEST line after the CONSOLE keyword. The QUEUES keyword should be on the DEST line after the TDQ keyword.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHMEU

DFHMU0169 MESSAGE *msgno*: 'APPLID' SPECIAL INSERT MISSING ON CONSOLE MESSAGE.

Explanation: Console messages must have the APPLID special insert specified before the message text. This special insert is either missing or misspelled.

System Action: Processing continues.

User Response: Add the APPLID special insert to the message definition before the start of the message text.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHMEU

DFHMU0170 MESSAGE *msgno*: DATE, TIME, OR APPLID SPECIAL INSERTS MISSING OR INCORRECT ON TDQ MESSAGE.

Explanation: Messages with a destination of TDQ should be defined with DATE, TIME, and APPLID special inserts before the message text. One or more of these special inserts is missing or incorrect.

System Action: Processing continues.

User Response: Ensure that the three special inserts are present and correct.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHMEU

DFHMU0171 MESSAGE: *msgno* RESP2 VALUE IS TOO LONG. THE MAXIMUM IS 4 DIGITS.

Explanation: Message *msgno* is being defined with an associated RESP2 value that will be returned as EIBRESP2 by the CICS command that issues the message. The value specified for RESP2 exceeds the maximum length of four decimal digits.

System Action: Processing continues.

User Response: Ensure that the RESP2 value is correct.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHMEU

DFHMU0999 INTERNAL LOGIC ERROR: NO MESSAGE FOR ERROR CODE *code*.

Explanation: The system attempted to display an error message that has not been defined in the internal message table.

System Action: Processing of the utility program terminates.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHMEU

DFHMVxxxx messages

DFHMV0001E SEVERE ERROR IN CICS SVC SERVICES DURING RESMGR EXIT CLEAN-UP PROCESSING, R15OUT = X'*X'xxxxxxxx*', R0OUT = X'*X'xxxxxxxx*', R1OUT = X'*X'xxxxxxxx*', R15IN = X'*X'xxxxxxxx*', R0IN = X'*X'xxxxxxxx*', SVC NUMBER = X' *X'xx*'.

Explanation: The CICS RESMGR exit stub has twice called the CICS SVC to perform clean-up for a particular functional area during normal or abnormal termination of a CICS TCB or address space. However, the SVC return code was nonzero both times. The message inserts identify the functional area concerned (*R0IN*), the SVC number, and the inputs and outputs.

System Action: CICS termination continues. Subsequently, other CICS regions might encounter severe errors in the functional area for which termination clean-up has failed.

User Response: Inform the system programmer. Keep any dumps, the system log, and the output from the failing job. If other CICS systems are being seriously degraded by persistent errors in the functional area affected, it is usually necessary to re-IPL MVS to correct the problem.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHMVRMS

DFHNCxxxx messages

DFHNC0101I Named counter server initialization is in progress.

Explanation: The named counter sequence number server program has started execution.

System Action: Initialization continues.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHNCMN

DFHNC0102I Named counter server for pool *poolname* **is now active.**

Explanation: The named counter sequence number server for the named pool has completed initialization and is now ready to accept connections.

System Action: The server waits for connection requests or operator commands.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHNCMN

DFHNC0103 Named counter server initialization failed because the POOLNAME parameter was not specified.

Explanation: The named counter sequence number server program needs to know the name of the associated named counter pool in order to complete initialization, but no pool name was specified in the SYSIN or PARM field parameters.

System Action: The server is terminated.

User Response: Ensure that the parameter **POOLNAME=***name* is specified either in the SYSIN parameters or in the PARM field of the JCL for the server.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHNCMN

DFHNC0104 Named counter server initialization failed because program DFHNCMN is not APF authorized.

Explanation: The named counter sequence number server main program DFHNCMN cannot complete initialization because it is not running with APF authorization.

System Action: The server is terminated.

User Response: Ensure that the named counter sequence number server program DFHNCMN is loaded from an APF authorized library and has been link-edited with the option AC(1).

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHNCMN

DFHNC0111I Named counter server for pool *poolname* **is terminating.**

Explanation: The named counter sequence number server has started termination processing, so no further requests will be processed.

System Action: Termination continues.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHNCMN

DFHNC0112I Named counter server has terminated, return code *retcode***, reason code** *rsncode***.**

Explanation: The named counter sequence number server has completed termination processing. For normal termination, the return code and reason code are both zero. If the termination was caused by an error, the return code will be 8 and the reason code will be the number of the previous DFHNCnnnn message giving the reason for termination.

System Action: The named counter sequence number server program returns control (via the AXM termination routines) to MVS for job step termination.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHNCMN

DFHNC0113 Named counter server completion code is *cmpcode***, reason code** *rsncode***.**

Explanation: The named counter sequence number server has terminated after intercepting an abnormal termination (ABEND) request. If the completion code is a system completion code, it is shown as three hexadecimal digits, otherwise it is shown as four decimal digits for a user completion code. Any associated reason code is shown as a four byte hexadecimal value, which will be zero if no reason code was provided.

System Action: The named counter sequence number server program returns control (via the AXM termination routines) to MVS for job step termination.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHNCMN

DFHNC0201I Processing *type parameters*

Explanation: The named counter sequence number server parameter processing routine is interpreting the specified parameter string. The first word gives the type of parameter (SYSIN/PARM/SET/DISPLAY/PRINT) and the rest is the specified parameters optionally followed by descriptive comment text after one or more spaces. If the parameters start with an asterisk or a space, the whole line is taken as descriptive comments.

System Action: Any specified parameters will be processed.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHNCPR

DFHNC0202 Unknown parameter keyword: *keyword*

Explanation: This parameter keyword did not match any of the defined parameter keywords for the named counter sequence number server.

System Action: Processing of the current parameter string (command parameter list, PARM field or SYSIN input line) is terminated. For an initialization parameter specified in SYSIN or the PARM field, a return code is set which will cause the server to terminate when initialization parameter processing is complete.

User Response: Correct the parameter keyword (or remove the incorrect parameter) and reenter the command or restart the server.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHNCPR

DFHNC0203 Value *value* **for parameter** *keyword* **is incorrect. It must be a name of up to 8 characters.**

Explanation: The value of this named counter sequence number server parameter should have been specified as a name containing not more than 8 characters.

System Action: Processing of the current parameter string (command parameter list, PARM field or SYSIN input line) is terminated. For an initialization parameter specified in SYSIN or the PARM field, a return code is set which will cause the server to terminate when initialization parameter processing is complete.

User Response: Correct the parameter value and reenter the command or restart the server.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHNCPR

DFHNC0204 Value *value* **for parameter** *keyword* **is incorrect. It must be a decimal number.**

Explanation: The value of this named counter sequence number server parameter should have been specified as a decimal number but was not in a valid format. (Numeric parameters can optionally be followed by the letter K, M or G to denote the appropriate powers of 1024).

System Action: Processing of the current parameter string (command parameter list, PARM field or SYSIN input line) is terminated. For an initialization parameter specified in SYSIN or the PARM field, a return code is set which will cause the server to terminate when initialization parameter processing is complete.

User Response: Correct the parameter value and reenter the command or restart the server.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHNCPR

DFHNC0205 Value *value* **for parameter** *keyword* **is greater than the maximum allowed value** *maximum***.**

Explanation: The value of this named counter sequence number server parameter exceeded the maximum allowed value, given in the message.

System Action: Processing of the current parameter string (command parameter list, PARM field or SYSIN input line) is terminated. For an initialization parameter specified in SYSIN or the PARM field, a return code is set which will cause the server to terminate when initialization parameter processing is complete.

User Response: Correct the parameter value and reenter the command or restart the server.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHNCPR

DFHNC0206 Value *value* **for parameter** *keyword* **is less than the minimum allowed value** *minimum***.**

Explanation: The value of this named counter sequence number server parameter was less than the minimum allowed value, given in the message.

System Action: Processing of the current parameter string (command parameter list, PARM field or SYSIN input line) is terminated. For an initialization parameter specified in SYSIN or the PARM field, a return code is set which will cause the server to terminate when initialization parameter processing is complete.

User Response: Correct the parameter value and reenter the command or restart the server.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHNCPR

DFHNC0207 Value *value* **for parameter** *keyword* **is incorrect. It should be a time hh:mm:ss or hh:mm or a number of seconds.**

Explanation: The value of this named counter sequence number server parameter did not conform to the correct syntax for a time interval.

System Action: Processing of the current parameter string (command parameter list, PARM field or SYSIN input line) is terminated. For an initialization parameter specified in SYSIN or the PARM field, a return code is set which will cause the server to terminate when initialization parameter processing is complete.

User Response: Correct the parameter value and reenter the command or restart the server.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHNCPR

DFHNC0208 Parameter keyword *keyword* **is not supported for** *command***.**

Explanation: A named counter sequence number server parameter keyword was specified in a context where it is not valid, such as an attempt to **SET** a parameter which can only be specified at initialization time, or to specify at initialization time a parameter which is only valid on **DISPLAY**.

System Action: Processing of the current parameter string (command parameter list, PARM field or SYSIN input line) is terminated. For an initialization parameter specified in SYSIN or the PARM field, a return code is set which will cause the server to terminate when initialization parameter processing is complete.

User Response: If the error occurred at initialization, remove the incorrect parameter and restart the server. If it occurred on a server command, check that the command and parameter were correctly entered.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHNCPR

DFHNC0209 Parameter text contains invalid character: *text*

Explanation: The named counter sequence number server parameter processing routine found some unexpected text when attempting to process parameters.

System Action: Processing of the current parameter string (command parameter list, PARM field or SYSIN input line) is terminated. For an initialization parameter specified in SYSIN or the PARM field, a return code is set which will cause the server to terminate when initialization parameter processing is complete.

User Response: Correct the parameters (or remove the incorrect parameter) and reenter the command or restart the server.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHNCPR

DFHNC0210 Parameter keyword *keyword* **should not have a value for** *command***.**

Explanation: A named counter sequence number server parameter keyword was specified in the form *keyword=value* in a context where it was not expected, for example on a **DISPLAY** command.

System Action: Processing of the current line of parameters is terminated.

User Response: Reenter the command without specifying a value for the parameter to be displayed.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHNCPR

DFHNC0211I Parameter value: *keyword=value*

Explanation: This message is issued to show the current value of a named counter sequence number server parameter setting in response to a **DISPLAY** or **PRINT** command.

System Action: Processing continues normally.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHNCPR

DFHNC0212 Value *value* **for parameter** *keyword* **is incorrect. It must be one of** *validlist***.**

Explanation: The value of this named counter sequence number server parameter was not recognized. It should have been specified as one of the indicated list of values.

System Action: Processing of the current parameter string (command parameter list, PARM field or SYSIN input line) is terminated. For an initialization parameter specified in SYSIN or the PARM field, a return code is set which will cause the server to terminate when initialization parameter processing is complete.

User Response: Correct the parameter value and reenter the command or restart the server.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHNCPR

DFHNC0213 Value for parameter *keyword* **is missing. The correct form is keyword=value.**

Explanation: A parameter keyword was specified without an associated parameter value on a named counter sequence number server **SET** command or in a SYSIN or PARM parameter string. Note that the only character which should appear between the parameter keyword and its intended value is the equals sign, without any extra spaces.

System Action: Processing of the current parameter string (command parameter list, PARM field or SYSIN input line) is terminated. For an initialization parameter specified in SYSIN or the PARM field, a return code is set which will cause the server to terminate when initialization parameter processing is complete.

User Response: Reenter the parameter specification in the correct form *keyword=value*.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHNCPR

DFHNC0301I Console operator *consname* **issued command:** *command*

Explanation: A named counter sequence number server operator command has been issued via the MVS **MODIFY** or **STOP** command. This message identifies the console name (or TSO userid) from which the command was issued and the text of the command.

System Action: Processing continues.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHNCOP

DFHNC0302I *command* **command ignored because no valid parameters were given.**

Explanation: A named counter sequence number server command was issued which had no valid parameters on it but was otherwise syntactically valid. The command has had no effect.

System Action: Processing continues normally.

User Response: Ensure that the command was entered correctly.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHNCOP

DFHNC0303I *command* **command has been processed.**

Explanation: A named counter sequence number server command has been processed successfully.

System Action: Processing continues.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHNCOP

DFHNC0304I STOP command is waiting for connections to be closed. Number of active connections = *connections***.**

Explanation: A named counter sequence number server **STOP** command has been issued (either via an MVS **STOP** command or via an MVS **MODIFY** command with the text **STOP**) but there are still active connections to the server, so the **STOP** command has not yet taken effect.

System Action: The server rejects any further attempts to establish new connections, but continues processing requests for existing connections. Each time a connection is terminated, this message will be repeated as long as there are more active connections.

User Response: Further information about the connections which are still active may be obtained using the command **DISPLAY CONNECTIONS**.

If the server needs to be shut down without waiting for connections to be closed, issue the server **CANCEL** command. Note that this will immediately terminate any active connections, causing any further requests for that server to be given a SYSIDERR indication. (The MVS **CANCEL** command can also be used, but should preferably be avoided because it will prevent the server from producing its normal closedown statistics and reports).

Note that if a CICS region is abnormally terminated while server connect or disconnect processing is in progress, or is terminated without going through end of task processing (for example using the **FORCE** command) there is a slight chance that the server will not be notified that the connection has been terminated. In this case the server will not be able to be closed down with the server **STOP** command, but only with the server **CANCEL** command.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHNCOP

DFHNC0305I STOP command has been processed.

Explanation: Processing of a named counter sequence number server **STOP** command has now been successfully completed. This means that there are no longer any active connections and the server is ready to close down.

System Action: The named counter sequence number server starts termination processing.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHNCOP

DFHNC0306 Named counter server does not support this command: *command*

Explanation: An operator command was addressed to the named counter sequence number server using the MVS **MODIFY** command, but the first word of the **MODIFY** parameter text is not a recognized server command (**SET**, **DISPLAY**, **PRINT**, **STOP**, **CANCEL** or an accepted abbreviation for one of these).

System Action: The command is ignored.

User Response: Correct and reenter the command.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHNCOP

DFHNC0307I CANCEL command has been processed. Number of active connections = *connections***.**

Explanation: A named counter sequence number server **CANCEL** command has been issued, either from an operator console or internally by the server in response to a severe error such as coupling facility failure. This message includes the number of active connections which may be affected by this command.

System Action: The server terminates immediately, without waiting to close connections.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHNCOP

DFHNC0308 Named counter server does not support CICS commands. To close it down, you can use the STOP command.

Explanation: An operator command which appears to be a CICS command (a four-character transaction code of the form 'CExx') was addressed to the named counter sequence number server using the MVS **MODIFY** command.

System Action: The command is ignored.

User Response: Correct and reenter the command. If the intention is to close down the server, use the server **STOP** or **CANCEL** command.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHNCOP

DFHNC0351I Connection: Job *jobname* **Applid** *applid* **Idle** *idletime*

Explanation: This describes a single connection from a CICS region to the named counter sequence number server, in response to the server command **DISPLAY CONNECTIONS** or **PRINT CONNECTIONS**. The information shows the job name, the generic APPLID and the time in hours, minutes and seconds since the most recent request was issued using the connection.

System Action: A message in this form is issued for each active connection to the current server, then message DFHNC0352I is issued to show the total number of active connections.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHNCCN

DFHNC0352I Total connections to this server: *connections***.**

Explanation: This describes the total number of active connections from CICS regions to the named counter sequence number server, in response to the server command **DISPLAY CONNECTIONS** or **PRINT CONNECTIONS**.

System Action: Processing continues.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHNCCN

DFHNC0361I Counter names: *counter1 counter2*

Explanation: This message lists one or two counter names in response to the named counter sequence number server command **DISPLAY COUNTERS** or **PRINT COUNTERS**.

System Action: This message is issued as many times as is necessary to list all current counter names, then message DFHNC0362I is issued to show the total number of counters.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHNCRQ

DFHNC0362I The total number of named counters in the pool is *counters***.**

Explanation: This describes the total number of counters within the the pool, in response to the named counter sequence number server command **DISPLAY COUNTERS** or **PRINT COUNTERS**.

System Action: Processing continues.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHNCRQ

DFHNC0363I Details for named counter *counter***:**

Explanation: This message shows counter details in response to the named counter sequence number server command **DISPLAY COUNTER=***name* or **PRINT COUNTER=***name*.

The detailed message layout is as follows:

```
Current value         Minimum value         Maximum value
           n                     n                     n
Options: x y
```

System Action: Processing continues.

User Response: The output shows the current counter value, the minimum counter value that can be assigned and the maximum counter that can be assigned. If the maximum value has just been assigned, the counter will be at its limit value, which is one greater than the maximum value that can be assigned.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHNCRQ

DFHNC0364 No named counter was found matching *counter***.**

Explanation: A counter name specified on the named counter sequence number server command **DISPLAY COUNTER=***name* or **PRINT COUNTER=***name* did not match any existing counter in the pool.

System Action: The command is ignored.

User Response: Ensure that the counter name was entered correctly, and that the command was addressed to the correct pool server.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHNCRQ

DFHNC0365I The number of named counters in the pool matching *counter* **is** *counters***.**

Explanation: This indicates the number of matching named counters within the pool for which details were displayed in response to the named counter sequence number server command **DISPLAY COUNTERS** or **PRINT COUNTERS** where the counter name contained one or more wild card characters.

System Action: Processing continues.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHNCRQ

DFHNC0401I Connected to CF structure *strname***.**

Explanation: The named counter sequence number server has successfully established a connection to the coupling facility list structure for the named counter pool, using the IXLCONN macro.

System Action: Processing continues.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHNCCF

DFHNC0402I CF structure *strname* was allocated by this connection.

Explanation: The named counter pool list structure did not previously exist and was allocated as part of the connection process.

System Action: List structure initialization will be performed if necessary.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHNCCF

DFHNC0403 Connection to CF structure *strname* failed, IXLCONN return code *retcode*, reason code *rsncode*.

Explanation: The IXLCONN macro to connect the named counter sequence number server to its pool list structure failed.

System Action: The named counter sequence number server is terminated.

User Response: See the documentation of the IXLCONN macro in *OS/390 MVS Programming: Sysplex Services Reference* (GC28-1772) for the explanation of the return and reason code. If the reason code is of the form `xxxx0C08`, indicating structure allocation failure, this message will be followed by message DFHNC0409 giving the facility reason code for each coupling facility in which allocation was attempted.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHNCCF

DFHNC0404 CF structure *strname* cannot be used because it has been allocated with attribute *attribute*.

Explanation: The named counter sequence number server has successfully connected to its pool list structure but has found that the structure has been allocated using an IXLCONN structure attribute keyword which is not supported by the server.

System Action: The server is terminated.

User Response: This probably indicates that the structure has been allocated or modified by some program other than the named counter sequence number server program. In this case, the incorrect structure should be deleted (using the MVS **SETXCF FORCE** command) so that it will be reallocated correctly when the server is restarted.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHNCCF

DFHNC0406 Initialization failed for CF structure *strname* with response *response*.

Explanation: The named counter sequence number server processing to initialize the pool list structure failed with an abnormal internal response code.

System Action: The server is terminated.

User Response: If the response code is 6 (I/O error), it indicates that an IXLLIST macro gave an abnormal return code, in which case a previous DFHNC0441 message will have been issued giving the IXLLIST return code and reason code. If this response code is any other value, this indicates that the list structure is in a state which should not occur, probably indicating that it was allocated or modified by a program other than the named counter sequence number server. In this case the structure may need to be deleted (using the MVS **SETXCF FORCE** command) so that it will be reallocated when the server is restarted.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHNCCF

DFHNC0407 CF structure *strname* is not available for shared use.

Explanation: The named counter sequence number pool is currently locked for exclusive use by some other job such as a pool unload or reload job. (This serialization uses an MVS ENQ with scope SYSTEMS, major name 'SYSZDFH' and minor name equal to the structure name, 'DFHNCLS_poolname').

System Action: The server is terminated.

User Response: Check whether a pool maintenance job is currently running. If it is, wait until it has finished before trying to start the server again. You can find out what jobs are currently using the pool using this MVS command:

```
DISPLAY GRS,RES=(SYSZDFH,'DFHNCLS_poolname')
```

Note that for this command the pool name must be exactly eight characters, padded with trailing spaces if necessary.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHNCCF

DFHNC0408 CF structure *strname* is not available for exclusive use.

Explanation: The current named counter sequence number unload or reload job requires exclusive use of the pool, but some other job is running which already has shared or exclusive use of the pool. (This serialization uses an MVS ENQ with scope SYSTEMS, major name 'SYSZDFH' and minor name equal to the structure name, 'DFHNCLS_poolname').

System Action: The server is terminated.

User Response: Check whether a named counter sequence number server or maintenance job is currently running. If it is, wait until it has finished before trying to run the current job again. You can find out what jobs are currently using the pool using this MVS command:

```
DISPLAY GRS,RES=(SYSZDFH,'DFHNCLS_poolname')
```

Note that for this command the pool name must be exactly eight characters, padded with trailing spaces if necessary.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHNCCF

DFHNC0409 CF structure *strname* could not be allocated in facility *cfname*, reason code *rsncode*.

Explanation: If a previous named counter sequence number server message DFHNC0403 indicated an IXLCONN failure because the structure could not be allocated, this message is issued for each coupling facility in which allocation was attempted to show the facility reason code indicating why structure allocation failed. If the reason code is known to the server, the name of the reason code is given (as defined in the MVS macro IXLYCONA, but without the 'ConaRsn' prefix), otherwise its decimal value is shown.

If the response indicates InvalidStructureSize, this means that the initial list structure size (specified on the server **POOLSIZE** parameter or in the CFRM policy **INITSIZE** parameter) is not large enough to contain the required structure control information. The size of the control information is affected by the maximum structure size specified in the CFRM policy.

System Action: The server is terminated.

User Response: If further details are required, see the descriptions of the reason codes in the source of the MVS macro IXLYCONA which maps the connect answer area.

If the response was InvalidStructureSize, increase the initial structure size specification in the server **POOLSIZE** parameter or the CFRM policy **INITSIZE** parameter to ensure that there is enough space for data in addition to the structure control information. Also, check that the maximum structure size specified in the CFRM policy is not unnecessarily large. See the CICS *System Definition Guide* for more information on how to estimate pool sizes.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHNCCF

DFHNC0411I CF structure *strname* now has *percentage*% of entries in use.

Explanation: This message is issued by the named counter sequence number server when the percentage of list entries in use within the list structure increases past certain set threshold levels, or when it decreases past a threshold level after previously being at a higher level. This message is also issued immediately after a structure alter request has completed in order to show how the percentage has been affected by changes in the structure size. The percentage is calculated using information that is returned by successful coupling facility access requests, so if the message was triggered by structure alter completion and the current server has not processed any successful requests recently, the information may not be accurate.

System Action: The warning threshold is increased to the next higher level (normally 5% higher if less than 95%, otherwise 1% higher), or decreased to the previous lower level depending on whether the usage is increasing or decreasing.

User Response: Note that the structure may soon become full, preventing new counters from being created. If the structure is currently allocated at less than its maximum size and the coupling facility has enough free space, the size of the structure can be increased dynamically using the MVS **SETXCF** command with the **START,ALTER** option, and any active servers will be able to use the increased space immediately.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHNCCF

DFHNC0417I Alter request completed normally for CF structure *strname*.

Explanation: The named counter sequence number server has been notified by the system that a structure alter request has completed normally.

System Action: New values for the structure size and number of entries are stored. This message is followed by message DFHNC0411 to indicate the new usage percentage.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHNCCF

DFHNC0418I Alter request ended abnormally for CF structure *strname* with status *status*.

Explanation: The named counter sequence number server has been notified by the system that a structure alter request has ended abnormally. The two bytes of status information in this message are taken from EEPLALTERENDSTATEFLAGS in the event exit parameter list (defined in the MVS macro IXLYEEPL).

System Action: No action is taken as a result of this notification, but any problem which caused the alter request to fail may result in other related problems.

User Response: If further information is required, look for MVS messages on the system log indicating the reason for the structure alter request failure. For further information about the status flags, see the source of the MVS macro IXLYEEPL.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHNCCF

DFHNC0419I Alter request ended normally for CF structure *strname* but target was not attained.

Explanation: The named counter sequence number server has been notified by the system that a structure alter request has ended normally but the target size was not attained.

System Action: New values for the structure size and number of entries are stored. This message is followed by message DFHNC0411 to indicate the new usage percentage.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHNCCF

DFHNC0424 Connectivity has been lost to CF structure *strname*. The named counter server cannot continue.

Explanation: The named counter sequence number server has been notified by the system that connectivity has been lost to the coupling facility containing the pool list structure.

System Action: The server issues an internal **CANCEL** command to terminate itself immediately.

User Response: Restart the server when connectivity to the coupling facility from the current system has been reestablished. If connectivity is still available from other systems, CICS transactions which require access to the affected pool should be diverted to those systems if possible.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHNCCF

DFHNC0425 CF structure *strname* has failed. The named counter server cannot continue.

Explanation: The named counter sequence number server has been notified by the system that the named counter pool list structure has been lost due to coupling facility structure failure. All named counters in the pool have been lost.

System Action: Each server for the affected pool issues an internal **CANCEL** command to terminate itself immediately.

User Response: If another coupling facility is available and is included in the CFRM preference list for the failed structure, restart the servers to cause a fresh copy of the list structure to be allocated on the alternate coupling facility. If no other coupling facility is available, wait until the original coupling facility has been made available again before restarting the servers.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHNCCF

DFHNC0431I Access statistics for CF structure *strname*:

Explanation: This message gives a summary of coupling facility access statistics. It is issued in response to a named counter sequence number server **DISPLAY** or **PRINT** command which includes the **CFSTATS** parameter, and may also be produced on the SYSPRINT file during interval statistics if the statistics options include print file output.

The detailed message layout is as follows:

```
Requests:   Create       Get       Set    Delete   Inquire    Browse
                n         n         n         n         n         n
Responses:  Asynch
                n
            Normal   Not fnd  Vers chk  List chk  Str Full   I/O err
                n         n         n         n         n         n
```

System Action: Processing continues.

User Response: The statistics are described in detail in the DFHNCS4D data area. The individual fields have the following meanings:

- Response counts:

  Asynch Number of requests for which completion was asynchronous.

  Normal Number of normal responses.

  Not fnd The specified entry (table or item) was not found.

  Vers chk A version check failed for an entry being updated. This occurs when a duplicate name is found while creating a new entry, or when an assign request finds the counter has reached its limit, or when a compare and swap type request (assign with increment, rewind or update) finds that the counter changed before the attempt to set the new value, in which case the request is retried until successful.

  List chk A list authority comparison failed. This should only be possible during server initialization.

  Str full The list structure became full.

  I/O err Some other error code was returned by IXLLIST.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHNCCF

DFHNC0432I Pool statistics for CF structure *strname*:

Explanation: This message gives a summary of the usage statistics for the named counter pool list structure. It is issued in response to a named counter sequence number server **DISPLAY** or **PRINT** command which includes the **POOLSTATS** parameter, and may also be produced on the SYSPRINT file during interval statistics if the statistics options include print file output.

The detailed message layout is as follows:

```
Structure:    Size  Max size
                nK        nK
Entries:     Total    In use  Max used      Free  Min free
                 n         n         n         n         n
              100%        n%        n%        n%        n%
```

System Action: Processing continues.

User Response: The statistics are described in detail in the DFHNCS6D data area. Pool usage statistics are calculated from information returned by recent coupling facility requests, and are not always very accurate, especially if the pool has not been accessed recently by the current server.

The individual fields have the following meanings:

- Structure:

  Size Current allocated size of the list structure.

  Max size Maximum size to which this structure could be altered.

- Entries:

  Total Total entries in the currently allocated structure (initially set at structure connection time and updated on completion of any structure alter request).

  In Use Number of entries currently in use.

  Max Used Maximum number in use (since last reset).

  Free Number of entries currently free (total minus used).

  Min Free Minimum number of free entries (since last reset).

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHNCCF

DFHNC0441 CF structure *strname* request failed, IXLLIST return code *retcode*, reason code *rsncode*.

Explanation: A coupling facility access request issued by the named counter sequence number server using the IXLLIST macro gave an abnormal return code.

System Action: The failing request is given a return code indicating a coupling facility access error.

User Response: See the documentation of the IXLLIST macro in *OS/390 MVS Programming: Sysplex Services Reference* (GC28-1772) for the explanation of the return and reason code.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHNCCF

DFHNC0442 CF structure *strname* request failed, structure is full.

Explanation: A coupling facility access request issued by the named counter sequence number server using the IXLLIST macro failed because there is no free entry to create a new named counter.

System Action: The failing request is given a return code indicating that there is no space available in the pool. This message will not be issued for further failures until the the number of entries in use has fallen well below the warning threshold.

User Response: Any named counters which are no longer in use should be deleted so that the space can be reused. If the structure is currently allocated at less than its maximum size and the coupling facility has enough free space, the size of the structure can be increased dynamically using the MVS **SETXCF** command with the **START,ALTER** option, and any active servers will be able to use the increased space immediately. However, if this action is possible it should normally have been taken in response to earlier warning message before the structure became full.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHNCCF

DFHNC0451 Purge for CF structure *strname* failed, IXLPURGE return code *retcode*, reason code *rsncode*.

Explanation: A named counter sequence number access request was terminated abnormally and the server issued an IXLPURGE macro to ensure any active IXLLIST request was purged before releasing the I/O buffer, but the IXLPURGE macro gave a non-zero return code.

System Action: The error is ignored because this only occurs when a request is already being terminated abnormally.

User Response: See the documentation of the IXLPURGE macro in *OS/390 MVS Programming: Sysplex Services Reference* (GC28-1772) for the explanation of the return and reason code.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHNCCF

DFHNC0461I Disconnected from CF structure *strname*.

Explanation: The named counter sequence number server has successfully disconnected from the pool list structure (using the IXLDISC macro) during termination.

System Action: Processing continues.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHNCCF

DFHNC0462 Disconnect from CF structure *strname* failed, IXLDISC return code *retcode*, reason code *rsncode*.

Explanation: The IXLDISC macro to disconnect the named counter sequence number server from its pool list structure failed.

System Action: The error is ignored, as disconnection only occurs when the server is already terminating.

User Response: See the documentation of the IXLDISC macro in *OS/390 MVS Programming: Sysplex Services Reference* (GC28-1772) for the explanation of the return and reason code.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHNCCF

DFHNC0601I Starting statistics collection for interval since *lasttime*.

Explanation: The named counter sequence number server is about to collect interval, end of day or closedown statistics. This message identifies the start of the time interval to which the statistics apply, which is either the time that the server was started up or the time of the last reset, which occurs whenever interval or end of day statistics are produced.

System Action: The server proceeds with statistics collection.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHNCST

DFHNC0602I Statistics collection completed, reset performed.

Explanation: Named counter sequence number server statistics have been collected and counters have been reset. This occurs for interval or end of day statistics.

System Action: Processing continues.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHNCST

DFHNC0603I Statistics collection completed.

Explanation: Named counter sequence number server statistics have been collected but counters have not been reset. This normally occurs at server closedown.

System Action: Processing continues.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHNCST

DFHNC0604 Timer SET failed, return code *retcode*, reason code *rsncode*.

Explanation: The statistics subtask in the named counter sequence number server tried to set up a timer wait interval but failed.

System Action: The interval statistics function is terminated with message DFHNC0606.

User Response: Check the return code and reason code. A return code of 4 indicates an attempt to set up more than one concurrent timer interval, which indicates a logic error in the server. The reason code in this case is the MVS STIMERM identifier for the existing timer interval. A return code of 8 indicates that the MVS STIMERM macro failed, in which case the reason code indicates the return code received from STIMERM SET.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHNCST

DFHNC0605 Timer CANCEL failed, return code *retcode*, reason code *rsncode*.

Explanation: The statistics subtask in the named counter sequence number server tried to cancel a timer wait interval but failed.

System Action: The interval statistics function is terminated with message DFHNC0606.

User Response: Check the return code and reason code. A return code of 4 indicates an attempt to cancel a nonexistent timer interval, which indicates a logic error in the server. A return code of 8 indicates that the MVS STIMERM macro failed, in which case the reason code indicates the return code received from STIMERM CANCEL.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHNCST

DFHNC0606 Statistics collection function is no longer available.

Explanation: The statistics collection subtask in the named counter sequence number server was unable to continue processing and has terminated. The reason will have been indicated by an earlier message.

System Action: The interval statistics subtask terminates and no further interval statistics or end of day statistics will be produced for this run of the server.

User Response: See the earlier message indicating the reason for the termination of the subtask.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHNCST

DFHNC0610I Statistics written to SMF, return code was *retcode*.

Explanation: Named counter sequence number server statistics have been sent to SMF. The return code from the SMFEWTM macro is indicated in this message. A non-zero return code usually indicates that SMF recording was suppressed because of current SMF options or an installation exit.

System Action: Processing continues.

User Response: If the return code is non-zero but SMF statistics were expected to be successfully written, see the documentation of the SMFEWTM macro in *OS/390 MVS System Management Facilities (SMF)* (GC28-1783) for more information about return codes.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHNCST

DFHNC0701I Named counter pool *poolname* is to be unloaded.

Explanation: The named counter sequence number server program has been started with the **UNLOAD** option requesting that the named counter pool is unloaded to a sequential data set.

System Action: The server starts to process the unload request. In this case, the rest of cross-memory server initialization is bypassed as it will not be needed.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHNCUL

DFHNC0702I Named counter pool *poolname* has been successfully unloaded.

Explanation: The named counter pool has been unloaded successfully.

System Action: The server closes down normally.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHNCUL

DFHNC0703I Number of unloaded counters: *counters*. Blocks written: *blocks*.

Explanation: This message provides additional information about the results of the named counter pool unload process, giving the number of named counters which were unloaded and the number of 4K data blocks written to the unloaded named counter pool data set.

System Action: Server termination continues.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHNCUL

DFHNC0704 DFHNCUL data set for unload could not be opened.

Explanation: The data set to contain the unloaded named counter pool could not be opened.

System Action: Unload processing is terminated and the server is closed down with message DFHNC0706.

User Response: Check that the DFHNCUL DD statement is present in the JCL for the unload job.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHNCUL

DFHNC0705 Unload access to CF structure *strname* **failed with response** *response***.**

Explanation: The named counter pool unload process failed because of a problem with coupling facility access.

System Action: Unload processing is terminated and the server is closed down with message DFHNC0706.

User Response: If the response code is 6, this indicates that an unexpected IXLLIST error occurred, for which a previous message DFHNC0441 will have been issued. Any other response code indicates an internal logic error.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHNCUL

DFHNC0706 Unload for named counter pool *poolname* **was unsuccessful.**

Explanation: The named counter pool unload process failed. The reason will have been described in a previous message.

System Action: The server is terminated.

User Response: See the previous message giving the reason for the unload failure. Note that any unload data set produced in this case will be incomplete and will not be valid for reload purposes.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHNCUL

DFHNC0801I Named counter pool *poolname* **is to be reloaded.**

Explanation: The named counter sequence number server program has been started with the **RELOAD** option requesting that the named counter pool is to be reloaded from a sequential data set produced using the **UNLOAD** option.

System Action: The server starts to process the reload request. In this case, the rest of cross-memory server initialization is bypassed as it will not be needed.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHNCRL

DFHNC0802I Named counter pool *poolname* **has been successfully reloaded.**

Explanation: The named counter pool has been reloaded successfully.

System Action: The server closes down normally.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHNCRL

DFHNC0803I Counters reloaded: *counters***. Counters bypassed:** *duplicates***. Blocks read:** *blocks***.**

Explanation: This message provides additional information about the results of the named counter pool reload process. Named counters on the unloaded data set are bypassed during reload processing if they already exist in the pool (for example as a result of a previous reload which could not be completed due to lack of space).

System Action: Server termination processing continues.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHNCRL

DFHNC0804 DFHNCRL data set for reload could not be opened.

Explanation: The data set containing the named counter pool to be reloaded could not be opened.

System Action: Reload processing is terminated and the server is closed down with message DFHNC0808.

User Response: Check that the DFHNCRL DD statement is present in the JCL for the reload job.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHNCRL

DFHNC0805 Reload access to CF structure *strname* **failed with response** *response***.**

Explanation: The named counter pool reload process failed because of a problem with coupling facility access.

System Action: Reload processing is terminated and the server is closed down with message DFHNC0808.

User Response: If the response code is 6, this indicates that an unexpected IXLLIST error occurred, for which a previous message DFHNC0441 will have been issued. Any other response code indicates an internal logic error.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHNCRL

DFHNC0806 Unexpected end of file encountered on reload data set.

Explanation: End of file was encountered on the data set containing the unloaded named counter pool before the logical end of the unloaded data was encountered.

System Action: Reload processing is terminated and the server is closed down with message DFHNC0808.

User Response: This indicates that the unloaded data set is incomplete, perhaps because the unload process was abnormally terminated.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHNCRL

DFHNC0807 Reload data set contains incorrect data near block *block***, offset** *offset***.**

Explanation: The named counter pool reload process failed because the unloaded pool data set is not in the correct format.

System Action: Reload processing is terminated and the server is closed down with message DFHNC0808.

User Response: Check that the correct data set is being used and that the unload process completed normally.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHNCRL

DFHNC0808 Reload for named counter pool *poolname* **was unsuccessful.**

Explanation: The named counter pool reload process could not be completed. The reason will have been described in a previous message.

System Action: The program is terminated.

User Response: See the previous message giving the reason for the reload failure.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHNCRL

DFHNC0809 Reload for CF structure *strname* **failed, structure is full.**

Explanation: Named counter pool reload processing failed because there are insufficient free entries or elements to store the new data in the structure.

System Action: Reload processing is terminated and the server is closed down with message DFHNC0808.

User Response: If the structure is currently allocated at less than its maximum size and the coupling facility has enough free space, the size of the structure can be increased dynamically using the MVS **SETXCF** command with the **START,ALTER** option, and the reload job can then be run again as soon as the alter request completes, in which case it will skip over duplicate information which has already been successfully reloaded. If the structure is at its maximum size, use the MVS **SETXCF FORCE** command to delete the structure, then increase the **SIZE** and **INITSIZE** parameters in the current CFRM policy and activate the updated policy, and rerun the reload job. The approximate amount of information which could not be reloaded can be estimated by comparing the numbers of blocks read and named counters reloaded, as described by following message DFHNC0803, with the corresponding numbers from message DFHNC0703 in the unload job.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHNCRL

DFHNC0911I R12=*prv* **RQ Entry** *function* **Name=***counter* **Job=***region* **Task=***task*

Explanation: Named counter sequence number server request tracing is active and information from the NCRQ parameter list is being traced on entry to the request module DFHNCRQ.

System Action: Processing continues.

User Response: This message is intended primarily for diagnostic use as advised by your IBM Support Center.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHNCRQ

DFHNC0912I R12=*prv* **RQ Exit** *response* **Name=***counter* **Job=***region* **Task=***task*

Explanation: Named counter sequence number server request tracing is active and information from the NCRQ parameter list is being traced on exit from the request module DFHNCRQ.

System Action: Processing continues.

User Response: This message is intended primarily for diagnostic use as advised by your IBM Support Center.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHNCRQ

DFHNC0913I R12=*prv* **RQ** *parameter* **Hex=***hex* **Dec=***decimal*

Explanation: Named counter sequence number server request tracing is active and a parameter or result value from the NCRQ parameter list is being traced in hexadecimal and decimal notation by the request module DFHNCRQ.

System Action: Processing continues.

User Response: This message is intended primarily for diagnostic use as advised by your IBM Support Center.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHNCRQ

DFHNC0914I R12=*prv* RQ Options *options*

Explanation: Named counter sequence number server request tracing is active and an options parameter or result value from the NCRQ parameter list is being traced by the request module DFHNCRQ.

System Action: Processing continues.

User Response: This message is intended primarily for diagnostic use as advised by your IBM Support Center.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHNCRQ

DFHNC0941I R12=*prv* CF Entry *request* **Name=***counter* **R1=***parmlst*

Explanation: Named counter sequence number server tracing of coupling facility accesses is active and information from the request interface parameter list is being traced on entry to the coupling facility interface module DFHNCCF.

- CF interface requests:

  INI Initialize server connection

  CRE Create counter

  GET Assign and increment counter

  SET Set counter to a new value

  DEL Delete counter

  KEQ Inquire on single counter

  KGE Inquire browse

System Action: Processing continues.

User Response: This message is intended primarily for diagnostic use as advised by your IBM Support Center.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHNCCF

DFHNC0942I R12=*prv* CF IXLLIST REQUEST=*request*
REASON=*rsncode*

Explanation: Named counter sequence number server tracing for coupling facility accesses is active and the result from an IXLLIST macro is being traced. The information traced includes an abbreviation of the type of request being performed and the reason code returned by the macro.

System Action: Processing continues.

User Response: This message is intended primarily for diagnostic use as advised by your IBM Support Center.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHNCCF

DFHNC0943I R12=*prv* CF IXLLIST *keyword=value*

Explanation: Named counter sequence number server tracing for coupling facility accesses is active and an IXLLIST parameter or result value (key, authority value, version or adjunct area) is being traced in hex and (if relevant) character format.

System Action: Processing continues.

User Response: This message is intended primarily for diagnostic use as advised by your IBM Support Center.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHNCCF

DFHNC0944I R12=*prv* CF Exit *response* **Name=***counter*

Explanation: Named counter sequence number server tracing for coupling facility accesses is active and information from the request interface parameter list is being traced on exit from the CF request module DFHNCCF.

- Response codes:

  OK Normal completion.

  LEN ERROR Data to be read exceeds buffer length.

  NOT FOUND No entry was found with the given key.

  DUPLICATE Add was rejected because counter name already exists.

  WRONG VER Change was rejected because version did not match.

  AUTH FAIL List authority value did not match.

  I/O ERROR IXLLIST error other than any of the above.

System Action: Processing continues.

User Response: This message is intended primarily for diagnostic use as advised by your IBM Support Center.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHNCCF

DFHNC0999I Trace *text*

Explanation: This message is used by the named counter sequence number server for non-specific debugging traces in multiple modules, for use by service personnel. It should not appear in normal execution unless debugging traces were deliberately activated, or an internal logic error was encountered.

System Action: Processing continues.

User Response: This message is intended primarily for diagnostic use as advised by your IBM Support Center.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: various

DFHNQxxxx messages

DFHNQ0001 *applid* **An abend (code** *aaa/bbbb***) has occurred at offset** *X'offset'* **in module** *modname***.**

Explanation: An abnormal end (abend) or program check has occurred in module *modname*. This implies that there may be an error in the CICS code. Alternatively, unexpected data has been input, or storage has been overwritten.

The code *aaa/bbbb* is a 3-digit hexadecimal MVS code (if applicable), followed by a 4-digit alphanumeric CICS code. The MVS code is a system completion code (for example, 0C1 or D37). If an MVS code is not applicable, this field is filled with three hyphens. The CICS code is an abend code or a number referring to a CICS message (for example, AKEA is a CICS abend code; 1310 refers to message DFHTS1310).

System Action: An exception entry is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS continues unless you have specified in the dump table that CICS should terminate.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: If CICS is still running, it is necessary to decide whether to terminate CICS.

Look up the MVS code, if there is one, in the relevant MVS codes manual which is detailed in the book list in the front of this manual.

Next, look up the CICS alphanumeric code in this manual. for further guidance.

If module *modname* is not crucial to the running of your CICS system, you may decide to continue to run and bring CICS down at a convenient time to resolve the problem.

If you cannot run without the full use of module *modname* you should bring CICS down in a controlled shutdown.

You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Modules: DFHNQDM, DFHNQED, DFHNQIB, DFHNQNQ

XMEOUT Parameters: *applid, aaa/bbbb, X'offset', modname*

DFHNQ0002 *applid* **A severe error (code** *X'code'***) has occurred in module** *modname***.**

Explanation: An error has been detected in module *modname*. The code X'*code*' is the exception trace point id which uniquely identifies what the error is and where the error was detected.

System Action: An exception entry (code X'*code*' in the message) is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS continues unless you have specified in the dump table that CICS should terminate.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: This indicates a possible error in CICS code. The severity of its impact depends on the importance of the function being executed at the time of the error.

CICS may not have been terminated. If the message occurs once and module *modname* is not crucial to the running of your CICS system, you may decide to continue to run and bring CICS down at a convenient time to resolve the problem.

If the message recurs or if you cannot run without the full use of module *modname*, you should bring CICS down in a controlled shutdown.

You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Modules: DFHNQDM, DFHNQED, DFHNQIB, DFHNQNQ

XMEOUT Parameters: *applid, X'code', modname*

DFHNQ0004 *applid* **A possible loop has been detected at offset** *X'offset'* **in module** *modname***.**

Explanation: A CICS function is taking more time to process than CICS expects. A possible loop has been detected in module *modname* at offset X'*offset*'. This is the offset of the instruction which happened to be executing at the time when the error was detected.

System Action: An exception entry is made in the trace table.

A system dump is taken unless you have specifically suppressed the dump (by a user exit program at the XDUREQ exit, in the dump table or by global system dump suppression). CICS processing continues unless you have specified in the dump table that CICS should terminate.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: If CICS has not been terminated, it is necessary to decide whether the problem is serious enough to bring CICS down.

Since some CICS functions can use a lot of CPU time, this message may have been caused by a long-running function. So there may not be an error. Usually, CICS purges a CICS function which exceeds the runaway task time interval which you have specified in the SIT (this is the ICVR which is measured in milliseconds). This means that execution of module *modname* is terminated and CICS continues.

If you have specified ICVR=0 in the SIT and you consider that module *modname* has gone into a loop, you have to terminate CICS in order to terminate the runaway function.

If the runaway has occurred in module DFHNQIB, it is probably the result of a long-running UOWENQ browse. If there are many enqueues in the system (particularly if many are owned by the same task), CICS can take a long time to process the browse. This can be resolved by increasing the runaway interval associated with the task performing the browse. To do this change the RUNAWAY attribute of the associated transaction definition.

If CICS has terminated module *modname*, and you consider that it was not a runaway, you should increase the ICVR time interval in the SIT. You have to bring CICS down at a suitable time to do this permanently. But you can change the ICVR time interval temporarily online using the CEMT transaction.

If raising the ICVR time does not solve the problem, you may need further assistance from IBM to resolve the problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Modules: DFHNQDM, DFHNQED, DFHNQIB, DFHNQNQ

XMEOUT Parameters: *applid, X'offset', modname*

DFHNQ0101 *date time applid* **ENQMODEL** *model* **has been installed.**

Explanation: The ENQMODEL resource *model* has been installed on the local system.

System Action: The enqmodel is installed and CICS continues normally.

User Response: None required.

Destination: CSMT

Module: DFHNQRN

XMEOUT Parameters: *date, time, applid, model*

DFHNQ0102 *date time applid* **ENQMODEL** *model* **has been discarded.**

Explanation: The ENQMODEL resource *model* has been discarded from the local system.

System Action: The enqmodel is discarded and CICS continues normally.

User Response: None required.

Destination: CSMT

Module: DFHNQRN

XMEOUT Parameters: *date, time, applid, model*

DFHNQ0103 *date time applid* **The limit for the number of concurrent sysplex resource ENQ requests has been reached. Transaction** *tran* **detected return code** *X'code'* **from MVS ENQ.**

Explanation: Code X'*code*' was returned by MVS when transaction *tran* attempted to Enqueue on a sysplex-wide resource. This indicates that the limit for the number of concurrent sysplex resource ENQ requests has been reached.

System Action: The task does not have control of the resource. The task issuing the EXEC ENQ request is abended ABCODE ANQC.

User Response: Retry the transaction one or more times. If the problem persists, consult your system programmer, who might be able to tune the system so that the limit is no longer exceeded.

Destination: CSMT

Module: DFHNQED

XMEOUT Parameters: *date, time, applid, tran, X'code'*

DFHNQ0104 *applid* **MVS returned code** *X'code'* **when transaction** *tran* **attempted to enqueue on a sysplex-wide resource. This in dicates that an unexpected environmental error has been detected.**

Explanation: Code *code* was returned by MVS when transaction *tran* attempted to Enqueue on a sysplex-wide resource. This indicates that an unexpected environmental error has been detected.

System Action: The task does not have control of the resource. The task issuing the EXEC ENQ request is abended ABCODE ANQD.

User Response: Retry the transaction one or more times. If the problem persists, consult your system programmer.

Destination: Console

Module: DFHNQED

XMEOUT Parameters: *applid, X'code', tran*

DFHNQ0105 *date time applid* **ENQMODEL** *model* **was either disabled or in the waiting state when transaction** *tran* **attempted to enqueue on a matching resource name.**

Explanation: An EXEC ENQ has been issued on a resource for which the enqmodel is either disabled or in the waiting state.

System Action: The ENQ request is rejected, and the issuing task abended abcode ANQE ENQ_DISABLED.

User Response: To avoid multiple transaction abends, such transactions should be disabled before disabling the enqmodel.

Destination: CSMT

Module: DFHNQRN

XMEOUT Parameters: *date, time, applid, model, tran*

DFHNQ0106 *date time applid* **ENQMODEL** *model* **has been replaced.**

Explanation: The ENQMODEL resource *model* has been replaced on the local system.

System Action: The enqmodel is replaced and CICS continues normally.

User Response: None required.

Destination: CSMT

Module: DFHNQRN

XMEOUT Parameters: *date, time, applid, model*

DFHNQ0107 *date time applid* **ENQMODEL** *model1* **must be disabled before enabling ENQMODEL** *model2***.**

Explanation: An attempt to enable an enqmodel failed, because a less specific enqmodel is enabled. Enqmodels forming nested generic enqnames must be enabled in order, from the most to the least specific.

ENQMODEL *model1* must be disabled before enabling ENQMODEL *model2*.

System Action: The enqmodel is not installed, but CICS continues normally.

User Response: Review the enqmodel definitions. If an enqmodel containing AB* is enabled, it must be disabled before enabling one with ABCD*. If enqmodels containing AB* and ABC* are installed, one must be discarded before installing an enqmodel with ABCD*.

Destination: CSMT

Module: DFHNQRN

XMEOUT Parameters: *date, time, applid, model1, model2*

DFHPAxxxx messages

DFHPA0001 *applid* **An abend (code** *aaa/bbbb***) has occurred at offset** *X'offset'* **in module** *modname***.**

Explanation: An unexpected program check or operating system abend with abend code *aaa/bbbb* occurred at offset X'*offset*' in module *modname*. This can be caused by corruption of CICS code or control blocks.

During initialization, CICS might not have access to the user's *applid* coded in the SIT. If CICS produces this message in these circumstances, it uses the default *applid* value DBDCCICS.

System Action: A system dump is taken unless specifically suppressed for this system abend code, and the system attempts to continue operation unless termination has been requested via the dump table.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Investigate the cause of the abend or program check using the dump, the abend code, the trace table, and any other diagnostic messages which may have been issued.

Destination: Console

Modules: DFHPAGP, DFHPADM, DFHPAIO

XMEOUT Parameters: *applid, aaa/bbbb, X'offset', modname*

DFHPA0002 *applid* **A severe error (code** *X'code'***) has occurred in module** *modname***.**

Explanation: An error has been detected in module *modname*

The code X'*code*' is the exception trace point id which uniquely identifies what the error is and where the error was detected.

During initialization, CICS may not have access to the user's *applid* coded in the SIT. If CICS produces this message in these circumstances, it uses the default *applid* value DBDCCICS.

System Action: An exception entry (code X'*code*' in the message) is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS continues unless you have specified in the dump table that CICS should terminate.

If appropriate, an error return code is sent to the caller of this domain. In this case, CICS could be terminated by the caller (for example, the domain manager, DFHDMDM). A message is issued to this effect.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: This indicates a possible error in CICS code. The severity of its impact depends on the importance of the function being executed at the time of the error.

CICS may not have been terminated.

If the message occurs once and module *modname* is not crucial to the running of your CICS system, you may decide to continue to run and bring CICS down at a convenient time to resolve the problem.

If the message recurs or if you cannot run without the full use of module *modname*, you should bring CICS down in a controlled shutdown.

For further information about CICS exception trace entries, refer to the *CICS Problem Determination Guide*.

You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Module: DFHPADM

XMEOUT Parameters: *applid, X'code', modname*

DFHPA0004 *applid* **A possible loop has been detected at offset** *X'offset'* **in module** *modname***.**

Explanation: A CICS function is taking more time to process than CICS expects. A possible loop has been detected in module *modname* at offset X'*offset*'. This is the offset of the instruction which was executing when the error was detected.

During initialization, CICS may not have access to the user's *applid* coded in the SIT. If CICS produces this message in these circumstances, it uses the default *applid* value DBDCCICS.

System Action: An exception entry is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS continues unless you have specified in the dump table that CICS should terminate.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: If CICS has not been terminated, it is necessary to decide whether the problem is serious enough to bring CICS down.

Since some CICS functions can use a lot of processor time, this message may have been caused by a long-running function. So there may not be an error here. Usually, CICS purges a CICS function which exceeds the runaway task time interval which you have specified in the SIT (this is the ICVR which is measured in milliseconds). This means that the CICS module identified in the message is terminated and CICS continues..

However, if you have declared ICVR=0 in the SIT and you consider that module *modname* has gone into a loop, you have to terminate CICS in order to terminate the runaway function.

If CICS has terminated module *modname*, and you consider that it was not a runaway, you should increase the ICVR time interval in the SIT. You have to bring CICS down at a suitable time to do this permanently. However, you can change the ICVR time interval temporarily online, using the CEMT transaction.

If raising the ICVR time does not solve the problem, you will need further assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Module: DFHPADM

XMEOUT Parameters: *applid, X'offset', modname*

DFHPA1100 *applid* **OVERRIDE PARAMETERS FROM JCL EXEC STATEMENT:** *parm*

Explanation: This message is displayed during CICS initialization to show the SIT overrides obtained from the PARM parameter of the JCL EXEC statement for the CICS job. If the parameter string *parm* contains 40 characters or less, it is shown on this message. Otherwise it is shown on a DFHPA1927 message following this message.

During initialization, CICS may not have access to the user's *applid* coded in the SIT. If CICS produces this message in these circumstances, it uses the default *applid* value DBDCCICS.

System Action: System initialization continues.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHPAIO

DFHPA1101 *applid* **DFHSIT***xx* **IS BEING LOADED.**

Explanation: This is an informational message displayed during CICS initialization.

xx, if present, represents the 1- or 2-character suffix for the SIT being used.

During initialization, CICS may not have access to the user's *applid* coded in the SIT. If CICS produces this message in these circumstances, it uses the default *applid* value DBDCCICS.

System Action: System initialization continues.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHPADM

DFHPA1102 *applid* **OVERRIDE PARAMETERS FROM SYSIN:**

Explanation: This message is displayed during CICS initialization before displaying the SIT overrides obtained from the SYSIN data set. The message is followed by a series of DFHPA1927 messages that show the actual contents of the SYSIN records.

During initialization, CICS may not have access to the user's *applid* coded in the SIT. If CICS produces this message in these circumstances, it uses the default *applid* value DBDCCICS.

System Action: System initialization continues.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHPAIO

DFHPA1103 *applid* **END OF FILE ON SYSIN.**

Explanation: This is an informational message displayed when CICS has reached the end of the SYSIN data set.

During initialization, CICS may not have access to the user's *applid* coded in the SIT. If CICS produces this message in these circumstances, it uses the default *applid* value DBDCCICS.

System Action: System initialization continues.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHPAIO

DFHPA1104 *applid* **SPECIFY ALTERNATIVE SIT PARAMETERS, IF ANY, AND THEN TYPE '.END'.**

Explanation: If the word "CONSOLE" or "CN" was detected in either the parameter input stream on the EXEC statement of the CICS JCL, or in the SYSIN data set, then this prompt message will be displayed when the parameter (PA) manager is ready to accept console overrides.

System Action: The system initialization program waits for a response from the operator.

User Response: Enter the required parameter changes, separated by commas. Terminate your reply by entering '.END'.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHPAIO

DFHPA1105 *applid* **CONTINUE SPECIFYING SIT PARAMETERS AND THEN TYPE '.END'.**

Explanation: While SIT overrides are being entered on the console, this prompt message will be displayed to request more overrides if the previous line did not end with ".END".

System Action: The system initialization program waits for more override parameters to be entered by the operator.

User Response: Continue entering the required parameter changes, separated by commas. Terminate your reply by entering '.END'.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHPAIO

DFHPA1106 *applid* **MODULE** *DFHSITxx* **COULD NOT BE LOADED. SPECIFY NEW SUFFIX, 'NONE'(UNSUFFIXED) OR 'CANCEL'.**

Explanation: During PA domain initialization, a SIT with a suffix of *xx* could not be loaded.

During initialization, CICS may not have access to the user's *applid* coded in the SIT. If CICS produces this message in these circumstances, it uses the default *applid* value DBDCCICS.

System Action: The PA domain initialization routines wait for the operator to enter an alternative 1- or 2-character suffix, or YES to request the unsuffixed SIT, or CANCEL. If CANCEL is entered, CICS is abnormally terminated.

User Response: Determine whether the suffix is correct. If it is not, enter the correct suffix or enter 'YES' for the unsuffixed version. Otherwise enter 'CANCEL', correct the error (by adding the module to the appropriate library) and restart CICS.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHPADM

DFHPA1107 *applid* **A** *level* **VERSION OF MODULE** *DFHSITxx* **WAS LOADED. CICS CAN ONLY INITIALIZE WITH THE CURRENT LEVEL SIT.**

Explanation: During PA domain initialization, a SIT with a suffix of *xx* and a release level of *level* was loaded. Since this version is not compatible with current CICS code, CICS is abnormally terminated.

During initialization, CICS may not have access to the user's *applid* coded in the SIT. If CICS produces this message in these circumstances, it uses the default *applid* value DBDCCICS.

System Action: CICS terminates abnormally.

User Response: To correct the error, reassemble the SIT at the current CICS level. Refer to the *CICS Transaction Server for OS/390 Migration Guide*. for guidance on changes to the SIT that may be required for the new release. CICS should then be restarted.

Alternatively, the system may have been pointing to the wrong SIT. To correct this second case, check the bring up JCL to make sure that the 'SIT=' override is correct. Refer to the *CICS System Definition Guide* for guidance on coding system initialization parameters. Furthermore, check the library search order to make sure that stray SITs, which may be unknowingly present, are removed or renamed.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHPADM

DFHPA1108 *applid* **DFHSIT***xx* **HAS BEEN LOADED. (GENERATED AT MM/DD=** *mm/dd* **HH/MM=** *hh/mm***).**

Explanation: This is an informational message displayed during CICS initialization. It displays the date and time that the loaded system initialization table was generated.

- *xx* is the suffix of the SIT being used.
- *mm/dd* is the date (month and day) that the SIT was generated.
- *hh/mm* is the time (hours and minutes of the 24 hour clock) that the SIT was generated.

System Action: CICS Initialization continues.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHPADM

DFHPA1901 *applid modname* **COULD NOT BE FOUND OR IS IN A NON-APF LIBRARY/CONCATENATION. CICS IS TERMINATED.**

Explanation: An error has occurred while attempting to load either DFHPASYL or DFHPAIO.

During initialization, CICS may not have access to the user's *applid* coded in the SIT. If CICS produces this message in these circumstances, it uses the default *applid* value DBDCCICS.

System Action: CICS terminates abnormally.

User Response: Correct the problem with the module that failed to load.

For example, check that a module *modname* actually exists in the program libraries used by CICS. Check the JCL and that the correct name, the correct library and the correct member in the library are used.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHPADM

DFHPA1902 *applid* **UNABLE TO OPEN SYSIN DATA SET. CICS IS TERMINATED.**

Explanation: An error has occurred while attempting to open the SYSIN data set. This occurs if the SYSIN data set does not exist.

During initialization, CICS may not have access to the user's *applid* coded in the SIT. If CICS produces this message in these circumstances, it uses the default *applid* value DBDCCICS.

System Action: CICS terminates abnormally.

User Response: Ensure that the SYSIN data set exists and is correct.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHPAIO

DFHPA1903 *applid* **ERROR WHILE READING FROM SYSIN DATA SET. CICS IS TERMINATED.**

Explanation: An error has occurred while attempting to read a record from the SYSIN data set. This can occur if the SYSIN data set has been corrupted, or has been incorrectly defined (for example, has not been defined with a logical record length, LRECL, of 80).

During initialization, CICS may not have access to the user's *applid* coded in the SIT. If CICS produces this message in these circumstances, it uses the default *applid* value DBDCCICS.

System Action: CICS terminates abnormally.

User Response: Correct the problem in the SYSIN data set.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHPAIO

DFHPA1907 *applid* **SIT DATA** *data* **IS INVALID FOR KEYWORD** *keyword***. KEYWORD IS IGNORED.**

Explanation: This message is displayed if the data specified, either for a keyword in the SIT or for a SIT override, is invalid, AND the PARMERR=IGNORE option is specified in the SIT or as an override.
keyword is the keyword for which the value is in error.
data is the invalid data.

System Action: The keyword is ignored. CICS will attempt to initialize without the keyword in error.

User Response: Correct the error by specifying a valid value for the keyword wherever it has been specified, either in the SIT or in the CICS input JCL, prior to restarting CICS. Refer to the *CICS System Definition Guide* for information on how to do this.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHPAGP

DFHPA1908 *applid* **SIT DATA** *data* **IS INVALID FOR KEYWORD** *keyword***. CICS IS TERMINATED.**

Explanation: This message is displayed if the data specified, either for a keyword in the SIT or for a SIT override, is invalid, and the PARMERR=ABEND option is specified in the SIT or as an override.
keyword is the keyword for which the value is in error.
data is the invalid data.
This message is issued only if the data for keyword MCT is in error.

System Action: CICS terminates abnormally.

User Response: Correct the error by specifying a valid value for the keyword wherever it has been specified, either in the SIT or in the CICS input JCL, prior to restarting CICS. Refer to the *CICS System Definition Guide*. for information on how to do this.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHPAGP

DFHPA1909 *applid* **SIT DATA** *data* **IS INVALID FOR KEYWORD** *keyword***. RESPECIFY KEYWORD AND DATA.**

Explanation: This message is displayed if the data specified, either for a keyword in the SIT or for a SIT override, is invalid, and the PARMERR=INTERACT option is specified in the SIT or as an override. The message inserts are as follows:

- *keyword* is the keyword for which the value is in error.
- *data* is the invalid data.

Note: PARMERR=INTERACT is the default action for invalid keyword data.

System Action: CICS waits for the corrected keyword and data to be entered as an override on the console by the operator, and analyzes this override.

User Response: Enter the corrected SIT keyword and data on the console, or bypass by typing '.END', or just supply a blank line.

Refer to the *CICS System Definition Guide* for information on how to do this.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHPAGP

DFHPA1910 *applid* **SIT OVERRIDE** *keyword* **IS NOT RECOGNIZED. OVERRIDE IS IGNORED. (MODULE** *modname***).**

Explanation: This message is displayed if a keyword specified in the input override parameter stream is invalid, and the PARMERR=IGNORE option is specified in the SIT, or as an override. The insert *keyword* is the invalid keyword.

During initialization, CICS may not have access to the user's *applid* coded in the SIT. If CICS produces this message in these circumstances, it uses the default *applid* value DBDCCICS.

System Action: The keyword is ignored, and CICS attempts to initialize without the keyword in error.

User Response: Ensure the keyword specified is correct and update CICS input JCL with the corrected keyword prior to the next initialization of CICS.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Modules: DFHPADM, DFHPAGP

DFHPA1911 *applid* **SIT OVERRIDE** *keyword* **IS NOT RECOGNIZED. CICS IS TERMINATED.**

Explanation: This message is displayed if a keyword specified in the input override parameter stream is invalid, and the PARMERR=ABEND option is specified in the SIT, or as an override. the insert *keyword* is the invalid keyword.

During initialization, CICS may not have access to the user's *applid* coded in the SIT. If CICS produces this message in these circumstances, it uses the default *applid* value DBDCCICS.

System Action: CICS terminates abnormally.

User Response: Correct the error by specifying a valid keyword in the SIT overrides, then restart CICS. Refer to the *CICS System Definition Guide*. for information on how to do this.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHPADM

DFHPA1912 *applid* **SIT OVERRIDE** *keyword* **IS NOT RECOGNIZED. SPECIFY CORRECT SIT OVERRIDE.**

Explanation: This message is displayed if a keyword specified in the input override parameter stream is invalid, and the PARMERR=INTERACT option is specified in the SIT, or as an override. The insert *keyword* is the invalid keyword. Note that PARMERR=INTERACT is the default action for invalid SIT overrides.

During initialization, CICS may not have access to the user's *applid* coded in the SIT. If CICS produces this message in these circumstances, it uses the default *applid* value DBDCCICS.

System Action: CICS waits for the corrected override to be entered on the console by the operator, and analyzes this override.

User Response: Enter the corrected SIT override on the console, or bypass by typing '.END', or just supply a blank line.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHPADM

DFHPA1913 *applid* **INVALID DATA HAS BEEN DETECTED FOR SIT OVERRIDE** *keyword* **BY MODULE** *modname***. OVERRIDE IS IGNORED.**

Explanation: This message can be issued in the following situations:

- If the data supplied for a SIT override is syntactically invalid, and the PARMERR=IGNORE system initialization parameter is specified. The insert *keyword* is the keyword for which the value is in error.

- In response to invalid data when PARMERR=INTERACT is specified but the user has been attempting to correct a previous invalid SIT keyword or value. In this case, message DFHPA1912 or DFHPA1915 follows this message to prompt for the correction to the original error.
- When PARMERR=INTERACT is specified if invalid data has been passed in PARM or SYSIN for a keyword that cannot be entered from the console (and therefore cannot be corrected by interaction with the console). This typically applies to security keywords.

During initialization, CICS may not have access to the user's *applid* coded in the SIT. If CICS produces this message in these circumstances, it uses the default *applid* value DBDCCICS.

System Action: The keyword is ignored, and CICS attempts to initialize without the keyword in error.

User Response: Ensure the value specified is correct and update CICS input JCL with the corrected keyword prior to the next initialization of CICS.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Modules: DFHPADM, DFHPAGP

DFHPA1914 *applid* **INVALID DATA HAS BEEN DETECTED FOR SIT OVERRIDE** *keyword***. CICS IS TERMINATED.**

Explanation: This message is displayed if the data specified for a SIT override is syntactically invalid, and the PARMERR=ABEND option is specified in the SIT, or as an override.

The insert *keyword* is the keyword for which the value is in error.

During initialization, CICS may not have access to the user's *applid* coded in the SIT. If CICS produces this message in these circumstances, it uses the default *applid* value DBDCCICS.

System Action: CICS terminates abnormally.

User Response: Correct the error by specifying a valid value for the keyword in the SIT overrides, then restart CICS.

Refer to the *CICS System Definition Guide* for information on how to do this.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHPADM

DFHPA1915 *applid* **INVALID DATA HAS BEEN DETECTED FOR SIT OVERRIDE** *keyword***. RESPECIFY THE OVERRIDE.**

Explanation: This message is displayed if the data specified for a SIT override is syntactically invalid or is a numeric value of 2 gigabytes or greater. It is only displayed if the PARMERR=INTERACT option is specified in the SIT, or as an override.

The insert *keyword* is the keyword for which the value is in error.

Note: PARMERR=INTERACT is the default action for invalid SIT overrides.

System Action: CICS waits for the corrected override to be entered on the console by the operator, and then analyzes this override.

User Response: Enter the corrected SIT override on the console, or bypass by typing '.END', or just supply a blank line.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHPADM

DFHPA1916 *applid* **SIT OVERRIDE DATA** *data* **IS OUT OF RANGE FOR KEYWORD** *keyword***. OVERRIDE IS IGNORED.**

Explanation: This message is displayed if the data supplied for a SIT override is out of range, and the PARMERR=IGNORE option is specified in the SIT, or as an override.
keyword is the keyword for which the value is in error.
data is the invalid data.

System Action: The keyword is ignored. CICS will attempt to initialize without the keyword in error.

User Response: Ensure the value specified is correct and update CICS input JCL with the corrected keyword prior to the next initialization of CICS.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHPAGP

DFHPA1917 *applid* **SIT OVERRIDE DATA** *data* **IS OUT OF RANGE FOR KEYWORD** *keyword***. CICS IS TERMINATED.**

Explanation: This message is displayed if the data specified for a SIT override is out of range, and the PARMERR=ABEND option is specified in the SIT, or as an override.
keyword is the keyword for which the value is in error.
data is the invalid data.

System Action: CICS terminates abnormally.

User Response: Correct the error by specifying a valid value for the keyword in the SIT overrides, and restart CICS.
Refer to the *CICS System Definition Guide* for information on how to do this.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHPAGP

DFHPA1918 *applid* **SIT OVERRIDE DATA** *data* **IS OUT OF RANGE FOR KEYWORD** *keyword***. RESPECIFY THE OVERRIDE.**

Explanation: This message is displayed if the data specified for a SIT override is out of range, and the PARMERR=INTERACT option is specified in the SIT, or as an override.
keyword is the keyword for which the data is in error. *data* is the invalid data.
Note: PARMERR=INTERACT is the default action for invalid SIT overrides.

System Action: CICS waits for the corrected override to be entered on the console by the operator, and analyzes this override.

User Response: Enter the corrected SIT override on the console, or bypass by typing '.END', or just supply a blank line.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHPAGP

DFHPA1919I *applid* **SPECIFIED DATA IS INCORRECT. ALL SUBSEQUENT OVERRIDES ON THIS LINE IGNORED.**

Explanation: An invalid value for a keyword has been entered after message DFHPA1912 or DFHPA1915 has been issued. CICS has been unable to analyze the overrides following the invalid one.

During initialization, CICS may not have access to the user's *applid* coded in the SIT. If CICS produces this message in these circumstances, it uses the default *applid* value DBDCCICS.

System Action: CICS continues to prompt for the corrected override using either message DFHPA1912 or message DFHPA1915.

User Response: Enter the corrected SIT override, ensuring that the data is in the valid range for that keyword.

You cannot suppress this message with the system initialization parameter MSGLVL=0.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHPADM

DFHPA1920I *applid* **SIT KEYWORD** *keyword* **AND ALL SUBSEQUENT OVERRIDES ON THIS LINE IGNORED.**

Explanation: An invalid keyword has been entered in response to message DFHPA1912 or DFHPA1915. CICS has been unable to analyze the overrides following the invalid one.

The insert *keyword* is the invalid keyword.

During initialization, CICS may not have access to the user's *applid* coded in the SIT. If CICS produces this message in these circumstances, it uses the default *applid* value DBDCCICS.

System Action: CICS continues to prompt for the corrected keyword using message DFHPA1912 or message DFHPA1915.

User Response: Enter the corrected SIT override, ensuring that the keyword is valid.

Refer to the *CICS System Definition Guide* for information on how to do this.

You cannot suppress this message with the SIT parameter, MSGLVL=0.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHPADM

DFHPA1921 *applid* **PLEASE SPECIFY THE REQUIRED SIT SUFFIX, OR SPECIFY 'NONE'(UNSUFFIXED).**

Explanation: The System Initialization Table (SIT) holds information needed for CICS to initialize. This is loaded during preinitialization. The user specifies a 1- or 2-character suffix to identify which SIT to load. To use the unsuffixed default SIT, reply with 'SIT=NO'.

During initialization, CICS may not have access to the user's *applid* coded in the SIT. If CICS produces this message in these circumstances, it uses the default *applid* value DBDCCICS.

System Action: The system loads and uses the specified SIT if it can be found. Otherwise the user is prompted to enter a valid suffix.

User Response: Type 'SIT=*xx*' in response to the message, where *xx* represents the SIT suffix to be used. (A suffix of 'NO' causes the system to load an unsuffixed SIT).

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHPADM.

DFHPA1922I *applid* **SPECIAL KEYWORD** *keyword* **HAS BEEN REPEATED AND IS IGNORED.**

Explanation: There are 2 special keywords, each with an abbreviation. The first is SYSIN, which has the abbreviation SI. The second is CONSOLE, which has the abbreviation CN. These keywords direct CICS to read SIT overrides from the SYSIN data stream and from the console respectively.

The system has found a duplication of one of these keywords. The JCL should be amended.

During initialization, CICS may not have access to the user's *applid* coded in the SIT. If CICS produces this message in these circumstances, it uses the default *applid* value DBDCCICS.

System Action: System initialization continues.

User Response: Correct the JCL by removing the second occurrence of the special keyword specified. (Refer to the *CICS Operations and Utilities Guide* for more information on coding CICS system initialization parameters).

You cannot suppress this message with the system initialization parameter MSGLVL=0.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHPADM

DFHPA1923I *applid* **SPECIAL KEYWORD** *keyword* **HAS BEEN DEFINED OUT OF CONTEXT.**

Explanation: There are 2 special keywords, each with an abbreviation. The first is SYSIN, which has the abbreviation SI. The second is CONSOLE, which has the abbreviation CN. These keywords direct CICS to read SIT overrides from the SYSIN data stream and from the console respectively.

SYSIN cannot be specified from either the SYSIN data stream, or from the console. CONSOLE cannot be specified from the console.

The system has found the specified keyword *keyword* in one of the situations described above, and so the JCL should be amended.

During initialization, CICS may not have access to the user's *applid* coded in the SIT. If CICS produces this message in these circumstances, it uses the default *applid* value DBDCCICS.

System Action: System initialization continues.

User Response: Correct the JCL by removing the special keyword specified (Refer to the *CICS Operations and Utilities Guide* for more information on coding CICS system initialization parameters).

You cannot suppress this message with the system initialization parameter MSGLVL=0.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHPADM

DFHPA1924I *applid* **INITIALIZATION PARAMETER** *parm1* **EXCEEDS** *parm2***. BOTH ARE DEFAULTED. (MODULE** *modname***).**

Explanation: One of two situations may have occurred.
In the first, parameter *parm1* has been set as greater than parameter *parm2* by override.
In the second, parameter *parm1* may have been set to a certain level in the SIT macro, but parameter *parm2* has been changed by override so that it is now less than parameter *parm1*.
In either case, the condition is invalid, and so default values are applied to both parameters.

System Action: Both parameters are set to their default values and system initialization continues.

User Response: The system initialization parameters should be altered so that *parm2* is greater than *parm1* for the next bring up of CICS. (Refer to the *CICS System Definition Guide* for more information. about system initialization parameters.)

CICS initialization continues with the default values. The user can then change the defaulted values using the CICS supplied transaction.

You cannot suppress this message with the system initialization parameter, MSGLVL=0.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Modules: DFHPADM, DFHPAGP

DFHPA1926 *applid* **A MISSING DELIMITER HAS BEEN DETECTED FOR OVERRIDE** *keyword* **(MODULE** *modname***).**

Explanation: The data supplied for a SIT override *keyword* has not been delimited correctly.

System Action: CICS terminates abnormally.

User Response: Correct the specified override in the SYSIN data set by entering the opening or the closing delimiter on its data.

Restart CICS.

Refer to the *CICS System Definition Guide* for the required delimiter for keyword *keyword*.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHPADM

DFHPA1927 *applid text*

Explanation: This message is displayed during CICS initialization to show parameters that will override the system intialization parameters coded on the DFHSIT macro. If it is preceded by message DFHPA1100, *text* shows the contents of the PARM parameter from the JCL EXEC statement. If it is preceded by message DFHPA1102, *text* shows the contents of a record read from the SYSIN data set.

During initialization, CICS may not have access to the user's *applid* coded in the SIT. If CICS produces this message in these circumstances, it uses the default *applid* value DBDCCICS.

System Action: System initialization continues.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHPAIO

DFHPA1928 *applid* **IF XRF=YES, THE GENERIC AND SPECIFIC APPLIDS MUST BE DIFFERENT. CICS IS TERMINATED.**

Explanation: In an XRF CICS system, a generic and a specific *applid* must be defined. They must also be unique.

This message is displayed and CICS is terminated if both these *applid*s, which are defined as SIT overrides, are found to be identical in an XRF environment.

This message is also displayed if only the generic *applid* is defined.

System Action: CICS terminates abnormally.

User Response: Correct the error by defining both the generic and the specific *applid*s as SIT overrides. Ensure that they are unique. Refer to the *CICS System Definition Guide* for further information on how to do this.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHPADM

DFHPA1929 *applid* **CSDBKUP=DYNAMIC REQUIRES CSDRECOV=ALL. CSDBKUP HAS BEEN DEFAULTED TO STATIC.**

Explanation: When the value DYNAMIC is specified for the CSDBKUP keyword the CSDRECOV keyword must have the value ALL. However, the override parameter stream has overridden the SIT values and this requirement has not been fulfilled.

System Action: To enable initialization to continue, CSDBKUP is set to the default value STATIC. Because CSDBKUP is set to STATIC, the CICS CSD as defined in the input JCL, or by dynamic allocation, is not eligible for backup while open for update.

User Response: Update CICS input JCL with the correct values for CSDBKUP and CSDRECOV keywords prior to the next initialization of CICS.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHPADM

DFHPA1930 *applid* **CSDFRLOG=***nn* **HAS BEEN IGNORED AS CSDRECOV=ALL HAS NOT BEEN SPECIFIED.**

Explanation: When a forward recovery log value is specified for the CSDFRLOG keyword, the CSDRECOV keyword must have the value ALL. However, the override parameter stream has overridden the SIT values and this requirement has not been fulfilled.

System Action: To enable initialization to continue, the CSDFRLOG value has been ignored. Because CSDFRLOG is ignored, the CICS CSD as defined in the input JCL, or by dynamic allocation, is not eligible for forward recovery logging.

User Response: Update CICS input JCL with the correct values for the CSDFRLOG and CSDRECOV keywords prior to the next initialization of CICS.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHPADM

DFHPA1931 *applid keyword* **IS A SECURITY KEYWORD AND CANNOT BE ENTERED AT THE CONSOLE. THE KEYWORD IS IGNORED.**

Explanation: A SIT override has been entered at the console which is deemed to be a member of the set of security system initialization parameters. Security system initialization parameters cannot be entered at the console.

During initialization, CICS might not have access to the user's *applid* coded in the SIT. If CICS produces this message in these circumstances, it uses the default *applid* value DBDCCICS.

System Action: CICS ignores the security SIT override, and initialization continues.

User Response: Update CICS input JCL so that security keywords are included in the SIT, SYSIN or PARM prior to the next initialization of CICS.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHPADM

DFHPA1932 *applid* **A PSDINT VALUE GREATER THAN ZERO WAS SPECIFIED WITH XRF=YES. PSDINT HAS BEEN RESET TO 0.**

Explanation: A conflict of options has been detected. You have requested Persistent Session Support by specifying a nonzero value for the PSDINT system initialization parameter. This parameter is used to set the Persistent Sessions delay interval. However, you have also requested XRF support by specifying XRF=YES. Persistent Sessions Support and XRF are mutually exclusive.

System Action: The PSDINT value defaults to 0. CICS attempts to continue with XRF support.

User Response: Before you next initialize CICS, alter the system initialization parameters so that either PSDINT=0 or XRF=NO. See the *CICS System Definition Guide* for further information.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHPADM

DFHPA1934I *applid* **START TYPE CHANGED TO** *type***.**

Explanation: The start type specified in the SIT has been changed to that shown in the message.

System Action: Initialization continues with the new start type.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHPAGP

DFHPA1935 *applid keyword* **IS A SECURITY KEYWORD. THIS KEYWORD AND ALL SUBSEQUENT KEYWORDS ON THIS LINE ARE IGNORED.**

Explanation: A SIT override has been entered at the console which is deemed to be a member of the set of security system initialization parameters. Security system initialization parameters cannot be entered at the console. CICS has been unable to analyze the overrides following the security keyword.

During initialization, CICS might not have access to the user's *applid* coded in the SIT. If CICS produces this message in these circumstances, it uses the default *applid* value DBDCCICS.

System Action: CICS ignores the security SIT override and all subsequent overrides entered on this line. Initialization continues.

User Response: Update CICS input JCL so that security keywords are included in the SIT, SYSIN or PARM prior to the next initialization of CICS.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHPADM

DFHPA1936 *applid* **A VALUE WAS SPECIFIED FOR GRNAME WITH XRF=YES. GRNAME HAS BEEN RESET TO BLANKS.**

Explanation: A conflict of options has been detected. You have requested generic resource support by specifying a value for the GRNAME system initialization parameter. This parameter is used to register CICS as a VTAM generic resource. However, you have also requested XRF support by specifying XRF=YES. Generic resource support and XRF are mutually exclusive.

System Action: The GRNAME value is reset to blanks. CICS attempts to continue with XRF support but without generic resource support.

User Response: Before you next initialize CICS, alter the system initialization parameters so that either GRNAME is not specified or XRF=NO. See the *CICS System Definition Guide* for further information.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHPADM

DFHPA1937 *applid* **GRNAME SPECIFIED WITH SPECIFIC AND GENERIC APPLIDS. THE GENERIC APPLID HAS BEEN SET EQUAL TO THE SPECIFIC.**

Explanation: A conflict of options has been detected. You have requested generic resource support by specifying a value for the GRNAME system initialization parameter. This parameter is used to register CICS as a VTAM generic resource. However, you have also specified different values for the generic and specific applids. Generic resource support requires that only one value should be specified for the APPLID parameter.

System Action: The generic applid is set to the value of the specific. CICS continues and attempts to register as a VTAM generic resource.

User Response: If you intended that CICS should register as a VTAM generic resource, take no action. If you did not, remove the GRNAME parameter before you next initialize the system.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHPADM

DFHPA1938 *applid* **GRNAME AND APPLID ARE THE SAME. GRNAME RESET TO BLANKS.**

Explanation: A conflict of options has been detected. You have requested generic resource support by specifying a value for the GRNAME system initialization parameter. This parameter is used to register CICS as a VTAM generic resource. However, the value specified for GRNAME is the same as the CICS applid. VTAM requires that the generic resource name must be different from the CICS applid.

System Action: The generic resource name is set to blanks. CICS will not attempt to register as a VTAM generic resource.

User Response: If you intended that CICS should register as a VTAM generic resource, specify the correct GRNAME when you next initialize the system.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHPADM

DFHPA1940 *applid* **CSDINTEG=CONSISTENT AND CSDINTEG=REPEATABLE REQUIRE CSDRLS=YES. CSDINTEG HAS BEEN SET TO UNCOMMITTED.**

Explanation: Read integrity on the CICS system definition (CSD) file has been requested by specifying either CSDINTEG=CONSISTENT or CSDINTEG=REPEATABLE. However, these read integrity options are not available because the CSD has been defined to be opened in non-RLS mode. Read integrity is only available to files defined in RLS mode.

System Action: CICS startup continues. The CSD is read without read integrity.

User Response: Do one of the following to correct the error:

- Specify CSDRLS=YES to make the CSD eligible to be opened in RLS mode.
- Remove the CSDINTEG keyword if you do not wish to open the CSD in RLS mode.

Destination: Console

Module: DFHPADM

XMEOUT Parameter: *applid*

DFHPA1941 *applid* **VTAM=NO HAS BEEN SPECIFIED BUT NO UOWNETQL PARAMETER HAS BEEN SPECIFIED. A DEFAULT UOWNETQL WILL BE USED.**

Explanation: VTAM=NO has been specified as a system initialization parameter but the UOWNETQL system initialization parameter is missing.

On a non-VTAM system, CICS requires the UOWNETQL parameter in order to construct a default qualified LUNAME to be passed to the recovery manager domain. On a VTAM system, the name is obtained at OPEN ACB time. Recovery manager uses the default qualified LUNAME when constructing unit of work (UOW) identifiers.

System Action: If this is an initial start, CICS continues processing using a dummy default UOWNETQL of '9UNKNOWN'. This dummy UOWNETQL is invalid because the first character is a number. UOWNETQL is given this invalid name to highlight the problem.

If this is a cold, warm or emergency start, the name used on the previous run is restored and used.

User Response: Specify a valid UOWNETQL system initialization parameter.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHPADM

DFHPA1942 *applid* **CSDRLS=YES BUT RLS=NO. CSDRLS=NO WILL BE USED.**

Explanation: The system initialization parameter CSDRLS=YES has been specified but RLS=YES has not been specified. This means that if initialization were to continue with these parameter settings the open of the CSD in record level sharing (RLS) mode would fail because RLS is not available in the system.

CICS requires that if you specify CSDRLS=YES, RLS must be enabled by specifying RLS=YES.

System Action: CICS continues processing but forces CSDRLS=NO.

User Response: If CSDRLS is required, bring CICS up with RLS=YES.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHPADM

DFHPA1943 *applid* **START=COLD OR START=INITIAL MAY NOT BE SPECIFIED WITH OFFSITE=YES. CICS IS TERMINATED.**

Explanation: The system initialization override OFFSITE=YES has been specified but START=COLD or START=INITIAL has also been specified. OFFSITE=YES means that CICS is being restarted in offsite recovery mode, but recovery is not possible on a cold or initial start, so this combination of system initialization parameters is incompatible.

System Action: CICS initialization is terminated.

User Response: You should specify START=AUTO when restarting CICS in OFFSITE recovery mode.

If you intended to perform a cold or initial start, and specified OFFSITE=YES in error, either change the OFFSITE override to NO, or remove it and allow it to default to NO.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHPADM

DFHPA1944 *applid* **CSDRECOV=ALL CANNOT BE SPECIFIED WITHOUT A CSDFRLOG IF CSDRLS=NO. CICS IS TERMINATED.**

Explanation: The system initialization parameter CSDRECOV=ALL has been specified together with CSDRLS=NO, but CSDFRLOG has either not been specified, or has been specified as NO.

If the CSD is to be accessed in non-RLS mode (CSDRLS=NO) and forward recovery is specified (CSDRECOV=ALL), a forward recovery log must also be specified using the CSDFRLOG system initialization parameter.

If the CSD is to be accessed in RLS mode (CSDRLS=YES), the recovery attributes are obtained from the VSAM catalog and CSDRECOV and CSDFRLOG are ignored. For this reason, the check for CSDFRLOG when CSDRECOV=ALL is not carried out when CSDRLS=YES.

System Action: CICS initialization is terminated.

User Response: You should specify CSDFRLOG=*nn* when you specify CSDRECOV=ALL together with CSDRLS=NO, where *nn* is a number between 1 and 99.

If you want to access the CSD in non-RLS mode, but also choose to specify the recovery attributes for the CSD in the VSAM catalog, the system initialization parameters relating to CSD recovery attributes are not used. However, you are still required to have a consistent set of these parameters.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHPADM

DFHPA1945 *applid sitname* **MUST BE LINKEDITED WITH THE NORENT OPTION. CICS IS TERMINATED.**

Explanation: The system initialization table *sitname* has been link-edited with the RENT option, which means CICS will not have write access to it.

System Action: CICS initialization is terminated.

User Response: You should re-link the system initialization table with the NORENT option.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHPADM

DFHPCxxxx messages

DFHPC0401 *applid* **Abend** *abcode* **issued by** *yyy* **task.**

Explanation: A CICS task has abnormally terminated with CICS transaction abend code *abcode*. *yyy* identifies the task, for example TCP (terminal control).

A task abend has been requested for a system task. CICS is abnormally terminated with a system dump.

System Action: CICS terminates abnormally with a dump.

User Response: See the description of abend *abcode* for further guidance.

Destination: Console

Module: DFHABAB

XMEOUT Parameters: *applid, abcode, yyy*

DFHPC0402 *applid* **Error with kernel error code** *errorcode* **has occurred while processing transaction abend** *abcode* **in transaction** *tranid*

Explanation: A program check, abend, loop, or a second transaction abend has occurred while processing a transaction abend and CICS is unable to complete the original transaction abend.

System Action: CICS processing is terminated.

User Response: This is a severe error in CICS internal processing. You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Module: DFHABAB

XMEOUT Parameters: *applid, errorcode, abcode, tranid*

DFHPC0405 *applid* **Abend** *abcode2* **has been issued while processing abend** *abcode1* **for the same task, transaction** *tranid***.**

Explanation: Transaction *tranid* has abnormally terminated with abend code *abcode1*. While CICS was backing out transaction *tranid*, another abend (namely *abcode2*) occurred. CICS was unable to process the original *abcode* abend correctly.

System Action: CICS is terminated with a dump.

User Response: Investigate why abend *abcode1* occurred. It may be due to an error in CICS abend handling.

Destination: Console

Module: DFHABAB

XMEOUT Parameters: *applid, abcode2, abcode1, tranid*

DFHPC0408 *applid* **Abend** *abcode* **has been issued during post commit processing, transaction** *tranid***.**

Explanation: During post commit processing for transaction *tranid*, the transaction issued abend *abcode* An abend during transaction post commit processing implies that a resource manager cannot syncpoint correctly, and thus that data integrity is at risk.

System Action: CICS terminates abnormally with a system dump.

User Response: See the description of abend *abcode* for further guidance.

Destination: Console

Module: DFHABAB

XMEOUT Parameters: *applid, abcode, tranid*

DFHPC0409 *applid* **Abends** *abcode2* **and** *abcode3* **have been issued while processing abend** *abcode1* **for the same task, transaction** *tranid***.**

Explanation: A task has abnormally terminated with abend code *abcode1*. While processing this abend, the task abnormally terminated twice more (in CICS code) with abends *abcode2* and *abcode3* in that sequence. This may be a permanent abend loop.

System Action: CICS terminates abnormally with a system dump.

User Response: See the description of abend *abcode1* for further guidance. You may need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Module: DFHABAB

XMEOUT Parameters: *applid, abcode2, abcode3, abcode1, tranid*

DFHPDxxxx messages

DFHPD0101 Pointer to *xxxxxxxx* **at offset** *X'offset'* **is invalid.**

Explanation: A pointer to a block of type *xxxxxxxx*, whose address is at offset *offset* in the block just formatted, is invalid.

System Action: Dump formatting continues after skipping any sections affected by the error.

User Response: Either the pointer to the required area was corrupted, the pointer has not been initialized, or the address was valid but the area was not present in the dump. In the latter case, if the area is essential for diagnosing the problem, a fresh dump which includes the missing area has to be obtained.

It is possible that the storage is present in the dump, and the pointer has been initialized with its address, but the storage has not been referred to by CICS code. You can check this by browsing the storage in the dump at this address.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHPD520

DFHPD0102 Pointer to *xxxxxxxx* **at offset** *X'offset'* **is zero.**

Explanation: A pointer to a block of type *xxxxxxxx*, whose address is at offset *offset* in the block just formatted, is zero.

System Action: Dump formatting continues after skipping any sections affected by the error.

User Response: The area may have been corrupted or not set up correctly. It is also possible that the zero value is valid. This depends on the circumstances or timing of the dumps collection; for example, a zero value is valid before the block is initialized.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHPD520

DFHPD0103 *xxxxxxxx* **address** *X'address'* **is invalid.**

Explanation: The address *address* of a block of type *xxxxxxxx* is invalid.

System Action: Dump formatting continues after skipping any sections affected by the error.

User Response: Either the pointer to the required area was corrupted, the pointer has not been initialized, or the address was valid but the area was not present in the dump. In the latter case, if the area is essential for diagnosing the problem, a fresh dump which includes the missing area has to be obtained.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHPD520

DFHPD0104 Address of *xxxxxxxx* **is zero.**

Explanation: The address of a block of type *xxxxxxxx* is zero.

System Action: Dump formatting continues after skipping any sections affected by the error.

User Response: The area may have been corrupted or not set up correctly. It is also possible that the zero value is valid. This depends on the circumstances or timing of the dumps collection; for example, a zero value is valid before the block is initialized.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHPD520

DFHPD0105 A loop has been detected. *xxxxxxxx* **at address** *X'address'* **already encountered.**

Explanation: The formatting program avoids loops resulting from corrupted control block chains by checking for duplicate addresses. The block *xxxxxxxx* at address *address* has already been encountered and may already have been formatted.

System Action: Dump formatting continues after skipping any sections affected by the error.

User Response: Check the chain fields in control blocks of the same type which have already been processed. Otherwise the problem may be caused by the timing of the dumps collection, if for example this occurs before the block is initialized.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHPD520

DFHPD0106 An error has occurred while formatting *xxxxxxxx***.**

Explanation: An error has occurred during the formatting of a block of type *xxxxxxxx*.

System Action: Dump formatting continues after skipping any sections affected by the error.

User Response: If no data has been formatted for the block then the block address was probably invalid. In this case see message DFHPD0101.

If part of the block has been successfully formatted then it is possible that the length of the control block is incorrect. The length may have been overwritten which may provide a clue to the problem.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHPD520

DFHPD0107 Eyecatcher for *xxxxxxxx* at *X'address'* is invalid.

Explanation: The eyecatcher field of a control block of type *xxxxxxxx* at address *address* has an incorrect value.

System Action: Dump formatting continues after skipping any sections affected by the error.

User Response: Investigate why the eyecatcher has been overwritten or why the control block has not been set up correctly. For more information on how to solve storage overwrite problems, see the *CICS Problem Determination Guide*.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHPD520

DFHPD0108 Unable to start browse of *xxxxxxxx*.

Explanation: An error has occurred when attempting to start browsing a table of type *xxxxxxxx*.

System Action: Dump formatting continues after skipping any sections affected by the error.

User Response: This error may be due to the Table Manager Program (TMP) control blocks being invalid. Check the TMP control blocks for the table in question.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHPD520

DFHPD0109 Unable to get next entry in *xxxxxxxx* table.

Explanation: An error has occurred when attempting to access the next entry in a table of type *xxxxxxxx*.

System Action: Dump formatting continues after skipping any sections affected by the error.

User Response: This error may be due to the Table Manager Program (TMP) control blocks being invalid. Check the TMP control blocks for the table in question.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHPD520

DFHPD0110 Unable to access data for *xxxxxxxx*

Explanation: The Interactive Problem Control System (IPCS) service routine ADPLMEMA was unable to find the requested data for control block *xxxxxxxx* in the dump.

System Action: Dump formatting continues after skipping any sections impacted by the lack of data.

User Response: Either the pointer to the required area was corrupted, which may in itself be a clue to the problem, or the address was valid but the area was not present in the dump. In the latter case, if the area is essential for diagnosing the problem obtain a fresh dump which includes the missing area.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHPD520

DFHPD0111I Pointer to *xxxxxxxx* at offset *X'offset'* is zero.

Explanation: A pointer to a block of type *xxxxxxxx*, whose address is at offset *offset* in the block just formatted, is zero.

System Action: Dump formatting continues after skipping any sections affected by the zero pointer.

User Response: The message is informatory, indicating that the area was zero at the time the dump was taken.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHPD520

DFHPD0112I Address of *xxxxxxxx* is zero.

Explanation: The address of a block of type *xxxxxxxx* is zero.

System Action: Dump formatting continues after skipping any sections affected by the block.

User Response: The message is informatory, indicating that the area did not contain an address at the time the dump was taken.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHPD520

DFHPD0113 This block has already been processed.

Explanation: The block whose heading line has just been printed has already been formatted in this section of the dump.

System Action: The block is formatted again then any sections which may be impacted by the probable control block chain loop are skipped.

User Response: Check the chain fields in the control blocks processed so far. This may provide a clue to the problem.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHPD520

DFHPD0114 Invalid keyword *keyword*

Explanation: The keyword *keyword* is not valid for the CICS520 verb.

System Action: The keyword is ignored.

User Response: Correct the keyword and retry.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHPD520

DFHPD0115 CICS job not found during ASCB scan.

Explanation: The dump formatting program searched the dump for CICS jobs satisfying the specified JOB criterion (if any), but found none.

System Action: There is only a severe problem when this message is followed by message DFHPD0120.

User Response: If this is a severe error, ensure that the dump is the correct one, that the JOB keyword is correctly specified, and that the dump contains the necessary MVS and CICS data areas.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHPD520

DFHPD0116 Cannot access the AFCB.

Explanation: The formatting program was unable to access data for the AFCB.

System Action: No formatting is performed.

User Response: Ensure that the dump is the correct one, and that the dump contains the necessary MVS data areas.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHPD520

DFHPD0117 An error has occurred while formatting *xxxxxxxx***.**

Explanation: An error has occurred during the formatting of a block of type *xxxxxxxx*.

Either the user has performed a GETMAIN for the storage, but the storage has not been referenced. Unreferenced storage may not be present in the dump.

Or the block address is invalid,

Or the length of the control block is incorrect.

System Action: Dump formatting continues after skipping any sections affected by the error.

User Response: If no data has been formatted for the block then either the storage has not been referenced, or the block address was invalid. If the block address was invalid, refer to message DFHPD0101.

If part of the block has been successfully formatted then it is possible that the length of the control block is incorrect. The length may have been overwritten which may provide a clue to the problem.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHPD520

DFHPD0118 Invalid argument for JOB=, CURRENT assumed

Explanation: The argument for the JOB operand of the CICS520 verb is invalid.

System Action: The keyword is ignored.

User Response: Correct the invalid argument and retry.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFH520

DFHPD0119 Duplicate keyword *keyword* **found. Value** *value* **accepted**

Explanation: The CICS520 keyword *keyword* has already been encountered.

System Action: The value *value* specified in the message overrides any value previously specified for keyword *keyword*. Processing continues with the new value *value*.

User Response: Remove the duplicate keyword specified on the CICS520 verb.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHPD520

DFHPD0120 CICS IPCS exit is terminating.

Explanation: The CICS exit is terminating.

System Action: The exit is returning to the Interactive Problem Control System (IPCS) without performing the requested function. A previous message gives the reason for this.

User Response: To determine what action is necessary, refer to the message immediately preceding this one on the dump.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHPD520

DFHPD0121I Formatting control blocks for job *jobname*

Explanation: This shows the job name for the CICS system from which the dump was taken.

System Action: Processing continues.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHPD520

DFHPD0122I End of dump for job *jobname*

Explanation: This marks the end of the output from the CICS print dump exit.

System Action: None. The formatting job has just completed.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHPD520

DFHPD0123 A program check has occurred while processing keyword *keyword*

Explanation: A program check has occurred during processing of the keyword identified in the message.

System Action: Dump formatting continues after skipping any sections affected by the error.

Note that the maximum possible number of occurrences of this message is five. If a sixth program check occurs, the dump formatting program terminates abnormally with a DFHPD520 abend code.

User Response: A dump should accompany this message, but if no dump is produced, rerun the job with //DFHSNAP DD SYSOUT=A included in the JCL job stream.

You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHPD520

DFHPD0124 Storage violation detected at *X'address'***. Leading SAA is invalid.**

Explanation: The Storage Accounting Area (SAA) in the first eight bytes of the user storage element at address X'*address*' has been found to be invalid. However, the trailing SAA is valid.

System Action: Dump formatting continues after skipping any sections affected by the error.

User Response: Investigate why the storage has been overwritten or has not been set up correctly. For more information on how to solve storage overwrite problems, refer to the *CICS Problem Determination Guide*.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHPD520.

DFHPD0125 Storage violation detected at *X'address'***. Trailing SAA is invalid.**

Explanation: The Storage Accounting Area (SAA) in the first eight bytes of the user storage element at address X'*address*' has been found to be invalid. However, the leading SAA is valid.

System Action: Dump formatting continues after skipping any sections affected by the error.

User Response: Investigate why the storage has been overwritten or has not been set up correctly. For more information on how to solve storage overwrite problems, refer to the *CICS Problem Determination Guide*.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHPD520.

DFHPD0126 Storage violation detected at *X'address'***. Leading and trailing SAAs are invalid.**

Explanation: The Storage Accounting Areas (SAAs) in the first and last eight bytes of the user storage element at address X'*address*' are invalid.

System Action: Dump formatting continues after skipping any sections affected by the error.

User Response: Investigate why the storage has been overwritten or has not been set up correctly. For more information on how to solve storage overwrite problems, refer to the *CICS Problem Determination Guide*.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHPD520.

DFHPD0127 Storage violation detected at *X'address'***. Leading and trailing SAAs differ.**

Explanation: Although the Storage Accounting Areas (SAAs) in the first and last eight bytes of the user storage element at address X'*address*' are valid, they do not match.

System Action: Dump formatting continues after skipping any sections affected by the error.

User Response: Investigate why the storage has been overwritten or has not been set up correctly. For more information on how to solve storage overwrite problems, refer to the *CICS Problem Determination Guide*.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHPD520.

DFHPD0128 Invalid data length *X'length'* **specified for address** *X'address'***.**

Explanation: The offline utility DFHPD520 has detected a request for a block of data of invalid length X'*length*' while formatting a system dump.

System Action: Dump formatting usually continues after skipping any sections affected by this error.

User Response: This message indicates a probable error in CICS code. You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHPD520

DFHPD0129 CICS Domain Anchor Blocks not found for AFCB. Scan will continue.

Explanation: The dump formatter has attempted to find a CICS dump in a TCB chain but has failed. The scan will continue. This is because DFHPD520 could not find the addresses of the CICS domain anchor blocks in the kernel global storage. Possible causes for this are:

- Scanning the wrong TCB on the TCB chain. The scan will continue.

- The kernel global storage being overwritten or freemained.
- The dump being taken so early on in CICS initialization that the kernel global storage has not yet been set up.

System Action: There is only a severe problem when this message is followed by message DFHPD0120.

User Response: If this is a severe error. Try to recreate the original error and produce a valid system dump against which the dump formatter can be rerun.

If the problem recurs, you will need further assistance from IBM. Collect the sysprint output from the dump formatter and note any relevant messages. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHPD520

DFHPD0130 Keyword *keyword1* **is no longer valid. Replace with keyword** *keyword2*

Explanation: In CICS Transaction Server for OS/390 Release 3 the keyword *keyword1* has been replaced by *keyword2* for the CICS520 verb.

For example, the keyword PCP has been replaced by PG.

System Action: The keyword *keyword1* is ignored.

User Response: Correct the keyword and retry.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHPD520

DFHPD0131 CICS job *jobname* **is for CICS version** *version1***. CICS IPCS exit is for CICS version** *version2***.**

Explanation: The CICS job *jobname* being processed by the dump formatting program was executing under CICS version *version1*, but the dump formatting program was the one distributed with CICS version *version2*.

System Action: Dump formatting terminates for the CICS job.

User Response: Retry dump formatting for the CICS job using the dump formatting program for CICS version *version1*.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHPD520

DFHPGxxxx messages

DFHPG0001 *applid* **An abend (code** *aaa/bbbb***) has occurred at offset** *X'offset'* **in module** *modname***.**

Explanation: An abnormal end (abend) or program check has occurred in module *modname*. This implies that there may be an error in the CICS code. Alternatively, unexpected data has been input, or storage has been overwritten.

The code *aaa/bbbb* is a 3-digit hexadecimal MVS code (if applicable), followed by a 4-digit alphanumeric CICS code. The MVS code is a system completion code (for example, 0C1 or D37). If an MVS code is not applicable, this field is filled with three hyphens. The CICS code is an abend code or a number referring to a CICS message (for example, AKEA is a CICS abend code; 1310 refers to message DFHTS1310).

System Action: An exception entry is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS continues unless you have specified in the dump table that CICS should terminate. If appropriate, an error return code is sent to the caller of this domain. In this case CICS could be terminated by the caller (for example, the domain manager, DFHDMDM). A message is issued to this effect.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Notify the system programmer. If CICS is still running, it is necessary to decide whether to terminate CICS.

Look up the MVS code, if there is one, in the relevant MVS codes manual which is detailed in the book list in the front of this manual.

Next, look up the CICS alphanumeric code in this manual. This tells you, for example, whether the error was a program check, an abend, or a runaway, and may give you some guidance concerning user response.

If module *modname* is not crucial to the running of your CICS system, you may decide to continue to run and bring CICS down at a convenient time to resolve the problem.

If you cannot run without the full use of module *modname*, you should bring CICS down in a controlled shutdown.

You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Modules: DFHPGAI, DFHPGAQ, DFHPGDD, DFHPGDM, DFHPGEX, DFHPGHM, DFHPGIS, DFHPGLD, DFHPGLK, DFHPGLU, DFHPGPG, DFHPGRP, DFHPGST, DFHPGXM.

XMEOUT Parameters: *applid, aaa/bbbb, X'offset', modname*

DFHPG0002 *applid* **A severe error (code** *X'code'***) has occurred in module** *modname***.**

Explanation: An error has been detected in module *modname*. The code X'*code*' is the exception trace point id which uniquely identifies what the error is and where the error was detected.

System Action: An exception entry (code X'*code*' in the message) is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS continues unless you have specified in the dump table that CICS should terminate. If appropriate, an error return code is sent to the caller of this domain. In this case, CICS could be terminated by the caller (for example, the domain manager, DFHDMDM). A message is issued to this effect.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: This indicates a possible error in CICS code. The severity of its impact depends on the importance of the function being executed at the time of the error.

CICS may not have been terminated. If the message occurs once and module *modname* is not crucial to the running of your CICS system, you may decide to continue to run and bring CICS down at a convenient time to resolve the problem.

If the message recurs or if you cannot run without the full use of module *modname*, you should bring CICS down in a controlled shutdown.

You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Modules: DFHPGAI, DFHPGAQ, DFHPGDD, DFHPGDM, DFHPGEX, DFHPGHM, DFHPGIS, DFHPGLD, DFHPGLK, DFHPGLU, DFHPGPG, DFHPGRP, DFHPGST, DFHPGXM.

XMEOUT Parameters: *applid, X'code', modname*

DFHPG0004 *applid* **A possible loop has been detected at offset** *X'offset'* **in module** *modname***.**

Explanation: A CICS function is taking more time to process than CICS expects. A possible loop has been detected in module *modname* at offset X'*offset*'. This is the offset of the instruction which was executing at the time the error was detected.

System Action: An exception entry is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS continues unless you have specified in the dump table that CICS should terminate. If appropriate, an error return code is sent to the caller of this domain. In this case CICS could be terminated by the caller (for example, the domain manager, DFHDMDM). A message is issued to this effect.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Notify the system programmer. If CICS has not been terminated, it is necessary to decide whether the problem is serious enough to bring CICS down.

Since some CICS functions can use a lot of processor time, this message may have been caused by a long-running function. So there may not be an error here. Usually, CICS purges a CICS function which exceeds the runaway task time interval which you have specified in the SIT (this is the ICVR which is measured in milliseconds). This means that module *modname* in the message is terminated and CICS continues.

If you have declared ICVR=0 in the SIT and you consider that module *modname* has gone into a loop, you need to terminate CICS in order to terminate the runaway function.

If CICS has terminated module *modname*, and you consider that it was not a runaway, you should increase the ICVR time interval in the SIT. You have to bring CICS down at a suitable time to do this permanently. But you can change the ICVR time interval temporarily online, using the CEMT transaction.

If raising the ICVR time does not solve the problem, you will need further assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Modules: DFHPGAI, DFHPGAQ, DFHPGDD, DFHPGDM, DFHPGEX, DFHPGHM, DFHPGIS, DFHPGLD, DFHPGLK, DFHPGLU, DFHPGPG, DFHPGRP, DFHPGST, DFHPGXM.

XMEOUT Parameters: *applid, X'offset', modname*

DFHPG0101 *date time applid terminal userid tranid* **PPT entry for** *progname* **has been added.**

Explanation: This is an audit log message indicating that program entry *progname* has been added to the PPT using the INSTALL command. Where:

- *terminal* is the netname or termid of the terminal associated with the transaction issuing the message. If there is no terminal associated with the transaction, the terminal name is suppressed.
- *userid* is the user identifier of the user associated with the transaction issuing the message.
- *tranid* is the transaction issuing the message.

System Action: The system continues normally.

User Response: None.

Destination: CSPL

Module: DFHPGDD

XMEOUT Parameters: *date, time, applid, terminal, userid, tranid, progname*

DFHPG0102 *date time applid terminal userid tranid* **PPT entry for** *progname* **has been deleted.**

Explanation: This is an audit log message indicating that program entry *progname* has been deleted from the PPT using the REMOVE command. Where:

- *terminal* is the netname or termid of the terminal associated with the transaction issuing the message. If there is no terminal associated with the transaction, the terminal name is suppressed.
- *userid* is the user identifier of the user associated with the transaction issuing the message.
- *tranid* is the transaction issuing the message.

System Action: The system continues normally.

User Response: None.

Destination: CSPL

Module: DFHPGDD

XMEOUT Parameters: *date, time, applid, terminal, userid, tranid, progname*

DFHPG0103 *date time applid terminal userid tranid* **PPT entry for** *progname* **has been replaced.**

Explanation: This is an audit log message indicating that program entry *progname* has been replaced in the PPT using the INSTALL command. Where:

- *terminal* is the netname or termid of the terminal associated with the transaction issuing the message. If there is no terminal associated with the transaction, the terminal name is suppressed.
- *userid* is the user identifier of the user associated with the transaction issuing the message.
- *tranid* is the transaction issuing the message.

System Action: The system continues normally.

User Response: None.

Destination: CSPL

Module: DFHPGDD

XMEOUT Parameters: *date, time, applid, terminal, userid, tranid, progname*

DFHPG0104 *date time applid* **Program** *progname* **is defined with DATALOCATION(ANY) but is linkedited with AMODE(24).**

Explanation: Program entry *progname* has been loaded. It is defined (using RDO or by program autoinstall) with DATALOCATION(ANY), but was linkedited with AMODE(24). Addresses returned to the program by EXEC CICS commands using the SET option may be above the 16MB line and not accessible by the AMODE(24) program.

The definition is accepted as the program can pass the storage on to another program which is linkedited with AMODE(31). See the description of DATALOCATION in the *CICS Resource Definition Guide*.

This message is issued the first time the program is loaded, linked to or XCTLed to, after being defined.

System Action: The system continues normally.

User Response: None.

Destination: CSPL

Modules: DFHPGLD, DFHPGLE, DFHPGLK, DFHPGLU, DFHPGPG, DFHPGXE, DFHPGEX

XMEOUT Parameters: *date, time, applid, progname*

DFHPG0201 *date time applid terminal userid tranid* **Program autoinstall exit** *urmname* **indicated that program** *progname* **should not be added to the PPT.**

Explanation: An attempt has been made to autoinstall a program during link, XCTL, load or exit processing but the autoinstall exit set a return code indicating that the program should not be installed. Where:

- *terminal* is the netname or termid of the terminal associated with the transaction issuing the message. If there is no terminal associated with the transaction, the terminal name is suppressed.
- *userid* is the user identifier of the user associated with the transaction issuing the message.
- *tranid* is the transaction issuing the message.

System Action: Control is returned to the caller with an error response. For EXEC commands, EIBRESP is set to PGMIDERR and EIBRESP2 is set to indicate the cause of the error.

User Response: None

Destination: CSPL

Module: DFHPGAI

XMEOUT Parameters: *date, time, applid, terminal, userid, tranid, urmname, progname*

DFHPG0202 *date time applid terminal userid tranid* **Program autoinstall exit** *urmname* **has abended with code** *abcode***. The program autoinstall function has been disabled.**

Explanation: An attempt has been made to autoinstall a program during link, XCTL, load or exit processing but the program autoinstall exit program abended with code *abcode*. Where:

- *terminal* is the netname or termid of the terminal associated with the transaction issuing the message. If there is no terminal associated with the transaction, the terminal name is suppressed.
- *userid* is the user identifier of the user associated with the transaction issuing the message.
- *tranid* is the transaction issuing the message.

System Action: Control is returned to the caller with an error response. For EXEC commands, EIBRESP is set to PGMIDERR and EIBRESP2 is set to indicate the cause of the error. The autoinstall function is disabled.

User Response: Continue processing without program autoinstall or correct the error in the autoinstall exit program and reenable the autoinstall function using CEMT or the SPI.

Destination: CSPL

Module: DFHPGAI

XMEOUT Parameters: *date, time, applid, terminal, userid, tranid, urmname, abcode*

DFHPG0203 *date time applid terminal userid tranid* **Program autoinstall exit** *urmname* **failed, reason:** *reason***. The program autoinstall function has been disabled.**

Explanation: An attempt has been made to autoinstall a program during link, XCTL, load, or exit processing but the program autoinstall exit program is incorrectly defined or cannot be found on the load libraries. Where:

- *terminal* is the netname or termid of the terminal associated with the transaction issuing the message. If there is no terminal associated with the transaction, the terminal name is suppressed.
- *userid* is the user identifier of the user associated with the transaction issuing the message.
- *tranid* is the transaction issuing the message.
- *reason* is one of the following:
  - Program not defined
  - Program not enabled
  - Program not loadable
  - Remote program
  - AMODE error
  - Invalid COMMAREA
  - Recursion in autoinstall exit.

System Action: Control is returned to the caller with an error response. For EXEC commands, EIBRESP is set to PGMIDERR and EIBRESP2 is set to indicate the cause of the error. The autoinstall function is disabled.

User Response: Continue processing without program autoinstall or correct the problem and reenable the autoinstall function using CEMT or the SPI. Take the appropriate action to correct the problem:

Program not defined	Install the autoinstall exit program.
Program not enabled	Reset the status of the autoinstall exit program.
Program not loadable	Ensure that the autoinstall exit program is in the load libraries.
Remote program	Ensure that the autoinstall exit program is defined as a local program.
AMODE error	Ensure that the autoinstall exit program is AMODE 31.
Invalid COMMAREA	Ensure that if the program autoinstall exit program passes the COMMAREA to another program, the COMMAREA is correctly passed.

Recursion in autoinstall exit The autoinstall user-replaceable module has attempted to link to XCTL or to load another program which is not defined. Autoinstall cannot be attempted with the autoinstall exit. Ensure that the program being referred to is defined using RDO.

Destination: CSPL

Module: DFHPGAI

XMEOUT Parameters: *date, time, applid, terminal, userid, tranid, urmname, reason*

DFHPG0204 *date time applid terminal userid tranid* **Autoinstall for program** *progname* **failed. Program autoinstall model** *modelname* **is not defined.**

Explanation: An attempt has been made to autoinstall a program during link, XCTL, load or exit processing but the model selected for the autoinstall is not defined. Where:

- *terminal* is the netname or termid of the terminal associated with the transaction issuing the message. If there is no terminal associated with the transaction, the terminal name is suppressed.
- *userid* is the user identifier of the user associated with the transaction issuing the message.
- *tranid* is the transaction issuing the message.

System Action: Control is returned to the caller with an error response. For EXEC commands, EIBRESP is set to PGMIDERR and EIBRESP2 is set to indicate the cause of the error.

User Response: Ensure that all programs to be used as models for the autoinstall function have been defined.

Destination: CSPL

Module: DFHPGAI

XMEOUT Parameters: *date, time, applid, terminal, userid, tranid, progname, modelname*

DFHPG0205 *date time applid terminal userid tranid* **Invalid value:** *value* **returned by program autoinstall exit** *urmname* **for field** *fieldname***.**

Explanation: An attempt has been made to autoinstall a program during link, XCTL, load, or exit processing but the program autoinstall exit returned an invalid value for a program definition field or the return code via the commarea. Where:

- *terminal* is the netname or termid of the terminal associated with the transaction issuing the message. If there is no terminal associated with the transaction, the terminal name is suppressed.
- *userid* is the user identifier of the user associated with the transaction issuing the message.
- *tranid* is the transaction issuing the message.
- *value* is the returned value. This may be invalid or there may be a conflict between the load attribute specified and the load type of the model program. If the program type is shared, the load attribute must be resident.

System Action: Control is returned to the caller with an error response. For EXEC commands, EIBRESP is set to PGMIDERR and EIBRESP2 is set to indicate the cause of the error.

User Response: Ensure that the data returned by the autoinstall exit program is correct.

Destination: CSPL

Module: DFHPGAI

XMEOUT Parameters: *date, time, applid, terminal, userid, tranid, value, urmname, fieldname*

DFHPG0206 *date time applid terminal userid tranid* **Autoinstall for program** *progname* **failed. Programs starting with 'DFH' cannot be defined as remote programs.**

Explanation: An attempt has been made to autoinstall a program during link, XCTL, load, or exit processing with remote attributes but the program starts with the characters 'DFH'. Where:

- *terminal* is the netname or termid of the terminal associated with the transaction issuing the message. If there is no terminal associated with the transaction, the terminal name is suppressed.
- *userid* is the user identifier of the user associated with the transaction issuing the message.
- *tranid* is the transaction issuing the message.

System Action: Control is returned to the caller with an error response. For EXEC commands, EIBRESP is set to PGMIDERR and EIBRESP2 is set to indicate the cause of the error.

User Response: Ensure that the autoinstall model program selected for programs starting 'DFH' is defined as a local program and that no remote attributes are specified by the program autoinstall exit program.

Destination: CSPL

Module: DFHPGAI

XMEOUT Parameters: *date, time, applid, terminal, userid, tranid, progname*

DFHPG0207 *date time applid terminal userid tranid* **Autoinstall for program** *progname* **failed. The program name is not valid.**

Explanation: An attempt has been made to autoinstall a program during link, XCTL, load or exit processing but the program name includes invalid characters. Where:

- *terminal* is the netname or termid of the terminal associated with the transaction issuing the message. If there is no terminal associated with the transaction, the terminal name is suppressed.
- *userid* is the user identifier of the user associated with the transaction issuing the message.
- *tranid* is the transaction issuing the message.

System Action: Control is returned to the caller with an error response. For EXEC commands, EIBRESP is set to PGMIDERR and EIBRESP2 is set to indicate the cause of the error.

User Response: Ensure that the program name is valid.

Destination: CSPL

Module: DFHPGAI

XMEOUT Parameters: *date, time, applid, terminal, userid, tranid, progname*

DFHPG0208 *date time applid terminal userid tranid* **Autoinstall for program** *progname* **failed.**

Explanation: An attempt has been made to autoinstall a program during link, XCTL, load, or exit processing but the install of the definition failed. Either the AMODE/RMODE combination is invalid or the load attribute and type combination is invalid. Where:

- *terminal* is the netname or termid of the terminal associated with the transaction issuing the message. If there is no terminal associated with the transaction, the terminal name is suppressed.
- *userid* is the user identifier of the user associated with the transaction issuing the message.
- *tranid* is the transaction issuing the message.

System Action: Control is returned to the caller with an error response. For EXEC commands, EIBRESP is set to PGMIDERR and EIBRESP2 is set to indicate the cause of the error.

User Response: Ensure the AMODE and RMODE are compatible and the program attribute is specified as resident if the program type is shared.

Destination: CSPL

Module: DFHPGAI

XMEOUT Parameters: *date, time, applid, terminal, userid, tranid, progname*

DFHPG0209 *date time applid terminal userid tranid* **PPT entry for** *progname* **has been autoinstalled using model** *modelname***.**

Explanation: This is an audit log message indicating that program entry *progname* has been added to the PPT by the AUTOINSTALL function using the model *modelname*.

Where:

- *terminal* is the netname or termid of the terminal associated with the transaction issuing the message. If there is no terminal associated with the transaction, the terminal name is suppressed.
- *userid* is the user identifier of the user associated with the transaction issuing the message.
- *tranid* is the transaction issuing the message.

System Action: The system continues normally.

User Response: None.

Destination: CSPL

Module: DFHPGAI

XMEOUT Parameters: *date, time, applid, terminal, userid, tranid, progname, modelname*

DFHPG0210 *date time applid terminal userid tranid* **PPT entry for** *progname* **has been system autoinstalled.**

Explanation: This is an audit log message indicating that program entry *progname* has been added to the PPT by the system AUTOINSTALL function.

Where:

- *terminal* is the netname or termid of the terminal associated with the transaction issuing the message. If there is no terminal associated with the transaction, the terminal name is suppressed.
- *userid* is the user identifier of the user associated with the transaction issuing the message.
- *tranid* is the transaction issuing the message.

System Action: The system continues normally.

User Response: None.

Destination: CSPL

Module: DFHPGAI

XMEOUT Parameters: *date, time, applid, terminal, userid, tranid, progname*

DFHPG0211 *date time applid terminal userid tranid* **Autoinstall for program** *progname* **failed. Program autoinstall model** *modelname* **is disabled.**

Explanation: An attempt has been made to autoinstall a program during link, XCTL, load or exit processing but the model selected for the autoinstall is disabled. Where:

- *terminal* is the netname or termid of the terminal associated with the transaction issuing the message. If there is no terminal associated with the transaction, the terminal name is suppressed.
- *userid* is the user identifier of the user associated with the transaction issuing the message.
- *tranid* is the transaction issuing the message.

System Action: Control is returned to the caller with an error response. For EXEC commands, EIBRESP is set to PGMIDERR and EIBRESP2 is set to indicate the cause of the error.

User Response: Ensure that all programs to be used as models for the autoinstall function are enabled.

Destination: CSPL

Module: DFHPGAI

XMEOUT Parameters: *date, time, applid, terminal, userid, tranid, progname, modelname*

DFHPRxxxx messages

DFHPR0101I *date time applid* **The table entry for partner** *ptnrname* **has been replaced.**

Explanation: This is an informational message indicating that the partner resource manager has replaced the existing table entry for the *ptnrname* partner, with a new table entry.

System Action: The system continues normally.

User Response: None.

Destination: CSRL

Module: DFHPRPT

XMEOUT Parameters: *date, time, applid, ptnrname*

DFHPR0102I *date time applid* **The table entry for partner** *ptnrname* **has been added.**

Explanation: This is an informational message indicating that the partner resource manager has added a new table entry for the *ptnrname* partner.

System Action: The system continues normally.

User Response: None.

Destination: CSRL

Module: DFHPRPT

XMEOUT Parameters: *date, time, applid, ptnrname*

DFHPR0103I *date time applid* **The table entry for partner** *ptnrname* **has been deleted.**

Explanation: This is an informational message indicating that the partner resource manager has deleted the table entry for the *ptnrname* partner.

System Action: The system continues normally.

User Response: None.

Destination: CSRL

Module: DFHPRPT

XMEOUT Parameters: *date, time, applid, ptnrname*

DFHPR0104I *applid* **Partner resource manager initialization has started.**

Explanation: This is an informational message indicating that partner resource manager initialization has started.

System Action: Initialization continues.

User Response: None.

Destination: Console

Module: DFHPRIN1

XMEOUT Parameter: *applid*

DFHPR0105I *applid* **Partner resource manager initialization has ended.**

Explanation: This is an informational message indicating that partner resource manager initialization has completed successfully.

System Action: Initialization continues.

User Response: None. You can suppress this message with SIT parameter, MSGLVL=0.

Destination: Console

Module: DFHPRIN1

XMEOUT Parameter: *applid*

DFHPR0106I *applid* **Partner resource manager initialization has failed.**

Explanation: The partner resource manager has failed to initialize successfully.

System Action: Message DFHSI1522 is issued following this message. CICS terminates or continues initialization depending upon the operator's response to message DFHSI1522. An exception trace entry is written at the time the failure is detected. Other CICS components called by partner resource manager initialization may also issue messages or write trace entries.

User Response: Decide whether CICS can continue execution without the partner resource manager, and respond accordingly to message DFHSI1522. You should also investigate why the partner resource manager failed to initialize, starting from the data contained in the exception trace entry.

Destination: Console

Module: DFHPRIN1

XMEOUT Parameter: *applid*

DFHPSxxxx messages

DFHPS5366 *applid* **The system spooling interface initialization program DFHPSIP is not present.**

Explanation: CICS attempted to link to DFHPSIP but the attempt failed because DFHPSIP was not in the CICS program library.

System Action: CICS terminates system spooler initialization.

User Response: Place DFHPSIP in the CICS program library.

Destination: Console

Module: DFHSIJ1

XMEOUT Parameter: *applid*

DFHPS5393 *date time applid* **Transaction** *tranid* **ended without closing data set on system spool.**

Explanation: The transaction *tranid* did not close a JES interface data set. Since only one transaction at a time can use the JES input interface, other transactions may be unnecessarily delayed.

System Action: CICS executes a default CLOSE with the KEEP option for an INPUT data set or the DELETE option for an output data set.

User Response: Change the program so that the transaction issues a SPOOLCLOSE before it terminates, and preferably immediately after the ENDFILE condition occurs on an input data set.

Destination: CSMT

Module: DFHPSPDW

XMEOUT Parameters: *date, time, applid, tranid*

DFHPS5394 *date time applid* **A storage error has occurred in JES interface subtask, the JES interface has been disabled.**

Explanation: An MVS FREEMAIN macro, issued by the CICS JES interface subtask, has failed. To keep dynamic storage area (DSA) storage usable, CICS has terminated the JES interface subtask with MVS user abend 0170.

System Action: CICS rejects subsequent SPOOL commands with the NOSPOOL response.

User Response: CICS will continue running normally (apart from the rejection of SPOOL commands), and you can let it continue unless your spooling requirements are critical.
To reinitiate the JES interface, shut down CICS and perform a warm restart (START=AUTO in the SIT or as an initialization override).
Use the MVS dump to find the source of the problem. In the dump, register 6 addresses the instruction before the ABEND. Normally, register 2 contains the address and register 0 the length of the area to be released.

Destination: CSMT

Module: DFHPSPST

XMEOUT Parameters: *date, time, applid*

DFHRDxxxx messages

DFHRD0101 *date time applid terminal userid tranid* **INSTALL PROGRAM(***progname***)**

Explanation: Program *progname* has been installed into CICS by userid *userid* at terminal *terminal* using transaction *tranid*.

System Action: Processing continues.

User Response: None.

Destination: CRDI

Module: DFHAMP

XMEOUT Parameters: *date, time, applid, terminal, userid, tranid, progname*

DFHRD0102 *date time applid terminal userid tranid* **INSTALL MAPSET(***mapsetid***)**

Explanation: Mapset *mapsetid* has been installed into CICS by userid *userid* at terminal *terminal* using transaction *tranid*.

System Action: Processing continues.

User Response: None.

Destination: CRDI

Module: DFHAMP

XMEOUT Parameters: *date, time, applid, terminal, userid, tranid, mapsetid*

DFHRD0103 *date time applid terminal userid tranid* **INSTALL PARTITIONSET(***partitionsetid***)**

Explanation: Partitionset *partitionsetid* has been installed into CICS by userid *userid* at terminal *terminal* using transaction *tranid*.

System Action: Processing continues.

User Response: None.

Destination: CRDI

Module: DFHAMP

XMEOUT Parameters: *date, time, applid, terminal, userid, tranid, partitionsetid*

DFHRD0104 *date time applid terminal userid tranid* **INSTALL TRANSACTION(***transid***)**

Explanation: Transaction *transid* has been installed into CICS by userid *userid* at terminal *terminal* using transaction *tranid*.

System Action: Processing continues.

User Response: None.

Destination: CRDI

Module: DFHAMP

XMEOUT Parameters: *date, time, applid, terminal, userid, tranid, transid*

DFHRD0105 *date time applid terminal userid tranid* **INSTALL PROFILE(***profid***)**

Explanation: Profile *profid* has been installed into CICS by userid *userid* at terminal *terminal* using transaction *tranid*.

System Action: Processing continues.

User Response: None.

Destination: CRDI

Module: DFHAMP

XMEOUT Parameters: *date, time, applid, terminal, userid, tranid, profid*

DFHRD0106 *date time applid terminal userid tranid* **INSTALL FILE(***fileid***)**

Explanation: File *fileid* has been installed into CICS by userid *userid* at terminal *terminal* using transaction *tranid*.

System Action: Processing continues.

User Response: None.

Destination: CRDI

Module: DFHAMP

XMEOUT Parameters: *date, time, applid, terminal, userid, tranid, fileid*

DFHRD0107 *date time applid terminal userid tranid* **INSTALL LSRPOOL(***lsrpoolid***)**

Explanation: Lsrpool *lsrpoolid* has been installed into CICS by userid *userid* at terminal *terminal* using transaction *tranid*.

System Action: Processing continues.

User Response: None.

Destination: CRDI

Module: DFHAMP

XMEOUT Parameters: *date, time, applid, terminal, userid, tranid, lsrpoolid*

DFHRD0108 *date time applid terminal userid tranid* **INSTALL PARTNER(***partner_name***)**

Explanation: Partner *partner_name* has been installed into CICS by userid *userid* at terminal *terminal* using transaction *tranid*.

System Action: Processing continues.

User Response: None.

Destination: CRDI

Module: DFHAMP

XMEOUT Parameters: *date, time, applid, terminal, userid, tranid, partner_name*

DFHRD0109 *date time applid terminal userid tranid* **INSTALL TRANCLASS(***tranclassid***)**

Explanation: Transaction class *tranclassid* has been installed into CICS by userid *userid* at terminal *terminal* using transaction *tranid*.

System Action: Processing continues.

User Response: None.

Destination: CRDI

Module: DFHAMP

XMEOUT Parameters: *date, time, applid, terminal, userid, tranid, tranclassid*

DFHRD0110 *date time applid terminal userid tranid* **INSTALL TDQUEUE(***tdqueueid***)**

Explanation: Transient data queue *tdqueueid* has been installed into CICS by userid *userid* at terminal *terminal* using transaction *tranid*.

System Action: Processing continues.

User Response: None.

Destination: CRDI

Module: DFHAMP

XMEOUT Parameters: *date, time, applid, terminal, userid, tranid, tdqueueid*

DFHRD0111 *date time applid terminal userid tranid* **INSTALL JOURNALMODEL(***journalmodelid***)**

Explanation: Journal model *journalmodelid* has been installed into CICS by userid *userid* at terminal *terminal* using transaction *tranid*.

System Action: Processing continues.

User Response: None.

Destination: CRDI

Module: DFHAMP

XMEOUT Parameters: *date, time, applid, terminal, userid, tranid, journalmodelid*

DFHRD0112 *date time applid terminal userid tranid* **INSTALL DB2CONN(***db2conn-name***)**

Explanation: DB2CONN *db2conn-name* has been installed into CICS by userid *userid* at terminal *terminal* using transaction *tranid*.

System Action: Processing continues.

User Response: None.

Destination: CRDI

Module: DFHAMP

XMEOUT Parameters: *date, time, applid, terminal, userid, tranid, db2conn-name*

DFHRD0113 *date time applid terminal userid tranid* **INSTALL DB2ENTRY(***db2entry-name***)**

Explanation: DB2ENTRY *db2entry-name* has been installed into CICS by userid *userid* at terminal *terminal* using transaction *tranid*.

System Action: Processing continues.

User Response: None.

Destination: CRDI

Module: DFHAMP

XMEOUT Parameters: *date, time, applid, terminal, userid, tranid, db2entry-name*

DFHRD0114 *date time applid terminal userid tranid* **INSTALL DB2TRAN(***db2tran-name***)**

Explanation: DB2TRAN *db2tran-name* has been installed into CICS by userid *userid* at terminal *terminal* using transaction *tranid*.

System Action: Processing continues.

User Response: None.

Destination: CRDI

Module: DFHAMP

XMEOUT Parameters: *date, time, applid, terminal, userid, tranid, db2tran-name*

DFHRD0115 *date time applid terminal userid tranid* **INSTALL PROCESSTYPE(***processtype-name***)**

Explanation: PROCESSTYPE *processtype-name* has been installed into CICS by userid *userid* at terminal *terminal* using transaction *tranid*.

System Action: Processing continues.

User Response: None.

Destination: CRDI

Module: DFHAMP

XMEOUT Parameters: *date, time, applid, terminal, userid, tranid, processtype-name*

DFHRD0116 *date time applid terminal userid tranid* **INSTALL TSMODEL(***tsmodel-name***)**

Explanation: TSMODEL *tsmodel-name* has been installed into CICS by userid *userid* at terminal *terminal* using transaction *tranid*.

System Action: Processing continues.

User Response: None.

Destination: CRDI

Module: DFHAMP

XMEOUT Parameters: *date, time, applid, terminal, userid, tranid, tsmodel-name*

DFHRD0117 *date time applid terminal userid tranid* **INSTALL ENQMODEL(***enqmodel-name***)**

Explanation: ENQMODEL *enqmodel-name* has been installed into CICS by userid *userid* at terminal *terminal* using transaction *tranid*.

System Action: Processing continues.

User Response: None.

Destination: CRDI

Module: DFHAMP

XMEOUT Parameters: *date, time, applid, terminal, userid, tranid, enqmodel-name*

DFHRD0118 I *date time applid terminal userid tranid* **INSTALL REQUESTMODEL(***rqmodel-name***)**

Explanation: REQUESTMODEL *rqmodel-name* has been installed into CICS by userid *userid* at terminal *terminal* using transaction *tranid*.

System Action: Processing continues.

User Response: None.

Destination: CRDI

Module: DFHAMP

XMEOUT Parameters: *date, time, applid, terminal, userid, tranid, rqmodel-name*

DFHRD0119 I *date time applid terminal userid tranid* **INSTALL DOCTEMPLATE(***doctemplate-name***)**

Explanation: DOCTEMPLATE *doctemplate-name* has been installed into CICS by userid *userid* at terminal *terminal* using transaction *tranid*.

System Action: Processing continues.

User Response: None.

Destination: CRDI

Module: DFHAMP

XMEOUT Parameters: *date, time, applid, terminal, userid, tranid, doctemplate-name*

DFHRD0120 I *date time applid terminal userid tranid* **INSTALL TCPIPSERVICE(***tcpipservice-name***)**

Explanation: TCPIPSERVICE *tcpipservice-name* has been installed into CICS by userid *userid* at terminal *terminal* using transaction *tranid*.

System Action: Processing continues.

User Response: None.

Destination: CRDI

Module: DFHAMP

XMEOUT Parameters: *date, time, applid, terminal, userid, tranid, tcpipservice-name*

DFHRMxxxx messages

DFHRM0001 *applid* **An abend (code** *code***) has occurred at offset** *X'offset'* **in module** *module***.**

Explanation: An unexpected program check or abend occurred with abend code *aaa/bbbb*.

The program status word (PSW) at the time of the program check or abend indicated that CICS was executing at offset X'*offset*' in module *modname*. This may have been caused by corruption of CICS code or control blocks.

System Action: A system dump is taken and the system attempts to continue operation unless otherwise directed by entries in the dump table.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Investigate the cause of the program check or abend using the system dump and any previously output diagnostic information provided by CICS, the access methods, or the operating system.

If you cannot resolve the problem, you will need further assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Modules: DFHRMDM, DFHRMCD, DFHRMCD1

XMEOUT Parameters: *applid, code, X'offset', module*

DFHRM0002 *applid* **A severe error (code** *X'code'***) has occurred in module** *module***.**

Explanation: The recovery manager domain has received an unexpected error response from some other part of CICS. The operation requested by recovery manager is described by code X'*code*'.

For further information about CICS exception trace entries, refer to the *CICS Problem Determination Guide*.

System Action: A system dump is taken and the system attempts to continue operation unless specifically inhibited by dump table entries.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Investigate the cause of the problem as follows:

1. Determine if the problem can be explained by any previous messages issued from some other CICS component.
2. Examine the symptom string.
3. Examine the dump.

If you cannot resolve the problem, you will need further assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Modules: DFHRMDM, DFHRMCD1, DFHRMCD, DFHRMCI2, DFHRMCI3

XMEOUT Parameters: *applid, X'code', module*

DFHRM0104 *date time applid* **Intersystem communication failure. Resource updates are being committed. Local resources may be out of sync with those on the remote system. Failure date** *mm/dd/yy* **failure time** *hh:mm:ss* **remote system** *name* **transaction** *tranid* **task number** *trannum* **terminal** *termid* **user** *userid* **network UOW** *netuowid* **local UOW** *X'localuowid'***.**

Explanation: Communication with the remote system has been interrupted. The remote system contains the coordinator of this unit of work and the notification of the outcome of the distributed unit of work has not been received.

The unit of work is unilaterally committing the local resource updates rather than waiting for the return of the coordinator system. The unit of work may not shunt for one of the following reasons:

- The transaction definition specifies WAIT(NO).
- The unit of work includes an MRO session to a back-level CICS system which does not support the WAIT(YES) option, and the role of the session in the unit of work is such that it cannot await the return of the coordinator system.
- The unit of work includes an LU6.1 session, and the role of the session in the unit of work is such that it cannot await the return of the coordinator system.
- The unit of work involves a task related user exit which is not enabled with the INDOUBTWAIT option.
- The unit of work has updated a recoverable transient data destination, which is defined with WAIT(NO).
- The unit of work involves the installation of CICS resource definitions from the CSD (CICS system definition) file.

Even if the unit of work was shunted, one of the following reasons will cause it to take unilateral action:

- The WAITTIME specified in the transaction definition has expired.
- Resynchronization has been preempted by either:
  - Setting the connection with the remote system NOTPENDING.
  - Setting the connection with the remote system NORECOVDATA.
  - The XLNACTION attribute of the connection definition of the remote system specifying FORCE.
  - Forcing the unit of work.

The local resource updates are being committed since either

- The unit of work has been explicitly forced to commit.
- The ACTION attribute of the definition of the locally executing transaction specified COMMIT.

One system may have committed its resource updates and the other backed out, leaving updates out of synchronization. This is checked for when commuication is re-established, and one of the following messages is issued:

DFHRM0110
DFHRM0111
DFHRM0112
DFHRM0113
DFHRM0114
DFHRM0115
DFHRM0116
DFHRM0117
DFHRM0118
DFHRM0119
DFHRM0120
DFHRM0121
DFHRM0122
DFHRM0123

The original failure information provides correlation between this message and its follow-up.

System Action: The system commits the local resource updates and releases the locks associated with those updates.

User Response: Take user-defined action, if any, to protect data integrity until the remote and the local data can be synchronized.

Destination: CSMT

Module: DFHRMLSO

XMEOUT Parameters: *date, time, applid, mm/dd/yy, hh:mm:ss, name, tranid, trannum, termid, userid, netuowid, X'localuowid'*

DFHRM0105 *date time applid* **Intersystem communication failure. Resource updates are being backed out. Local resources may be out of sync with those on the remote system. Failure date** *mm/dd/yy* **failure time** *hh:mm:ss* **remote system** *name* **transaction** *tranid* **task number** *trannum* **terminal** *termid* **user** *userid* **network UOW** *netuowid* **local UOW** *X'localuowid'***.**

Explanation: Communication with the remote system has been interrupted. The remote system contains the coordinator of this unit of work and the notification of the outcome of the distributed unit of work has not been received.

The unit of work is unilaterally backing out the local resource updates rather than waiting for the return of the coordinator system. The unit of work may not shunt for one of the following reasons:

- The transaction definition specifies WAIT(NO).
- The unit of work includes an MRO session to a back-level CICS system which does not support the WAIT(YES) option, and the role of the session in the unit of work is such that it cannot await the return of the coordinator system.
- The unit of work includes an LU6.1 session, and the role of the session in the unit of work is such that it cannot await the return of the coordinator system.
- The unit of work involves a task related user exit which is not enabled with the INDOUBTWAIT option.
- The unit of work has updated a recoverable transient data destination, which is defined with WAIT(NO).
- The unit of work involves the installation of CICS resource definitions from the CSD (CICS system definition) file.

Even if the unit of work was shunted, one of the following reasons will cause it to take unilateral action:

- The WAITTIME specified in the transaction definition has expired.
- Resynchronization has been preempted by either:
  - Setting the connection with the remote system NOTPENDING.
  - Setting the connection with the remote system NORECOVDATA.
  - The XLNACTION attribute of the connection definition of the remote system specifying FORCE.
  - Forcing the unit of work.

The local resource updates are being backed out since either

- The unit of work has been explicitly forced to backout.
- The ACTION attribute of the definition of the locally executing transaction specified BACKOUT.

One system might have committed its resource updates and the other backed out, leaving updates out of synchronization. This is checked for when communication is re-established, and one of the following messages is issued:

DFHRM0110
DFHRM0111
DFHRM0112
DFHRM0113
DFHRM0114
DFHRM0115
DFHRM0116
DFHRM0117
DFHRM0118
DFHRM0119
DFHRM0120
DFHRM0121
DFHRM0122
DFHRM0123

The original failure information provides correlation between this message and its follow-up.

System Action: The system backs out the local resource updates and releases the locks associated with those updates.

User Response: Take user-defined action, if any, to protect data integrity until the remote and the local data can be synchronized.

Destination: CSMT

Module: DFHRMLSO

XMEOUT Parameters: *date, time, applid, mm/dd/yy, hh:mm:ss, name, tranid, trannum, termid, userid, netuowid, X'localuowid'*

DFHRM0106 *date time applid* **Intersystem communication failure. Resource updates will not be committed or backed out until session recovery. Failure date** *mm/dd/yy* **failure time** *hh:mm:ss* **remote system** *name* **transaction** *tranid* **task number** *trannum* **terminal** *termid* **user** *userid* **network UOW** *netuowid* **local UOW** *X'localuowid'***.**

Explanation: Communication with the remote system has been interrupted. The remote system that contains the coordinator of this unit of work failed and the notification of the outcome of the distributed unit of work has not been received. The definition if the locally executing transaction specifies WAIT(YES) so the local resource updates are being held locked. When communication with the remote system is re-established, the resource updates will be committed or backed out, according to the actions of the other system, and one of the following messages is issued:

DFHRM0108
DFHRM0109
DFHRM0112
DFHRM0113
DFHRM0115
DFHRM0116
DFHRM0118
DFHRM0119
DFHRM0121
DFHRM0122

If the time specified by the WAITTIME in the transaction definition of the locally executing transaction expires before communication is re-established then the resource updates are committed or backed out in accordance with the ACTION attribute and one of the following messages is issued:

DFHRM0104
DFHRM0105

If a decision to preempt resynchronization activity is taken at the local system by either:

- Setting the connection with the remote system NOTPENDING.
- Setting the connection with the remote system NORECOVDATA.
- The XLNACTION attribute of the connection definition of the remote system specifying FORCE.
- Forcing the unit of work.

then again the resource updates are committed or backed out accordingly and one of the following messages is issued:

DFHRM0125
DFHRM0126

System Action: Processing continues. Locks associated with the resource updates are preserved.

User Response: Re-establish communication with the remote system as soon as possible.

Destination: CSMT

Module: DFHRMLSS

XMEOUT Parameters: *date, time, applid, mm/dd/yy, hh:mm:ss, name, tranid, trannum, termid, userid, netuowid, X'localuowid'*

DFHRM0107 *date time applid* **Intersystem communication failure. Resource updates may be out of sync. Failure date** *mm/dd/yy* **failure time** *hh:mm:ss* **remote system** *name* **transaction** *tranid* **task number** *trannum* **terminal** *termid* **user** *userid* **network UOW** *netuowid* **local UOW** *X'localuowid'***.**

Explanation: Communication with a remote system has been interrupted. This may be due to the failure of a session to a remote system or the failure of a CFDT server system. The resource updates in the local system are committing or backing out. The notification of the outcome of the distributed unit of work might not reach the remote system or server. One system might commit its resource updates while the other backs them out leaving updates out of synchronization. This is checked for at session or server recovery, and one of the following messages is issued:

DFHRM0110
DFHRM0111
DFHRM0114
DFHRM0117
DFHRM0120
DFHRM0123
DFHRM0135

If a decision to preempt resynchronization activity is taken at the local system by either:

- Setting the connection with the remote system NOTPENDING.
- Setting the connection with the remote system NORECOVDATA.
- The XLNACTION attribute of the connection definition of the remote system specifying FORCE.
- Forcing the unit of work.

then again the resource updates are committed or backed out accordingly and DFHRM0127 is issued.

System Action: The system commits or backs out the local resource updates and releases the locks associated with those updates. Information is retained to enable resynchronization with the remote system.

User Response: Re-establish communication with the remote system as soon as possible.

Destination: CSMT

Module: DFHRMLSO

XMEOUT Parameters: *date, time, applid, mm/dd/yy, hh:mm:ss, name, tranid, trannum, termid, userid, netuowid, X'localuowid'*

DFHRM0108 *date time applid* **Intersystem communication recovery. Suspended resource updates now being committed. Original failure date** *mm/dd/yy* **failure time** *hh:mm:ss* **remote system** *name* **transaction** *tranid* **task number** *trannum* **terminal** *termid* **user** *userid* **network UOW** *netuowid* **local UOW** *X'localuowid'***.**

Explanation: This message is issued during intersystem communication recovery as a follow up to message DFHRM0106. Communication with the remote system that is the coordinator of this unit of work has been re-established and resynchronization is taking place. It has now been established that the remote system completed the synchronization point. The local resource updates are being committed accordingly.

System Action: The system commits the local resource updates and releases the locks associated with those updates.

User Response: None.

Destination: CSMT

Module: DFHRMLN

XMEOUT Parameters: *date, time, applid, mm/dd/yy, hh:mm:ss, name, tranid, trannum, termid, userid, netuowid, X'localuowid'*

DFHRM0109 *date time applid* **Intersystem communication recovery. Suspended resource updates now being backed out. Original failure date** *mm/dd/yy* **failure time** *hh:mm:ss* **remote system** *name* **transaction** *tranid* **task number** *trannum* **terminal** *termid* **user** *userid* **network UOW** *netuowid* **local UOW** *X'localuowid'***.**

Explanation: This is an informatory message issued during intersystem communication recovery as a follow up to message DFHRM0106. Communication with the remote system that is the coordinator of this unit of work has been re-established and resynchronization is taking place. It has now been established that the remote system did not complete the synchronization point. The local resource updates are being backed out accordingly.

System Action: The system backs out the local resource updates and releases the locks associated with those updates.

User Response: If required, restart the interrupted transaction.

Destination: CSMT

Module: DFHRMLN

XMEOUT Parameters: *date, time, applid, mm/dd/yy, hh:mm:ss, name, tranid, trannum, termid, userid, netuowid, X'localuowid'*

DFHRM0110 *date time applid* **Intersystem communication recovery. Unit of work found to be synchronized. Original failure date** *mm/dd/yy* **failure time** *hh:mm:ss* **remote system** *name* **transaction** *tranid* **task number** *trannum* **terminal** *termid* **user** *userid* **network UOW** *netuowid* **local UOW** *X'localuowid'***.**

Explanation: Resynchronization with the remote system which is a subordinate in the unit of work has occurred following the resumption of communication, or the unshunting of the unit of work on the local system. It was found either the local or remote system (or both) had already taken a decision for their parts of the distributed unit of work. It has now been established that the decisions in the local and remote systems are synchronized.

System Action: Processing continues.

User Response: None

Destination: CSMT

Module: DFHRMLN

XMEOUT Parameters: *date, time, applid, mm/dd/yy, hh:mm:ss, name, tranid, trannum, termid, userid, netuowid, X'localuowid'*

DFHRM0111 *date time applid* **Intersystem communication recovery. Distributed unit of work found to be not synchronized. Original failure date** *mm/dd/yy* **failure time** *hh:mm:ss* **remote system** *name* **transaction** *tranid* **task number** *trannum* **terminal** *termid* **user** *userid* **network UOW** *netuowid* **local UOW** *X'localuowid'***.**

Explanation: Resynchronization with the remote system which is a subordinate in the unit of work has occurred following the resumption of communication, or the unshunting of the unit of work on the local system. It was found either the local or remote system (or both) had already taken a decision for their part of the distributed unit of work. It has now been established that the decisions of the local and remote systems are out of synchronization.

System Action: Processing continues.

User Response: Take user-defined action to resynchronize the resources in the local and remote systems if necessary.

Destination: CSMT

Module: DFHRMLN

XMEOUT Parameters: *date, time, applid, mm/dd/yy, hh:mm:ss, name, tranid, trannum, termid, userid, netuowid, X'localuowid'*

DFHRM0112 *date time applid* **Intersystem communication recovery. The remote system has reinitialized. The local unit of work is committed. Original failure date** *mm/dd/yy* **failure time** *hh:mm:ss* **remote system** *name* **transaction** *tranid* **task number** *trannum* **terminal** *termid* **user** *userid* **network UOW** *netuowid* **local UOW** *X'localuowid'***.**

Explanation: Communication with the remote system has been resumed. Resynchronization with the remote system was attempted. It was found that the remote system has reinitialized and now has no knowledge of the unit of work. The resource updates of the distributed unit of work in the remote system might have committed or backed out.

If the session is an MRO session to a pre-CICS Transaction Server system, this message may be issued even if the remote system was not reinitialized. This can only occur if the session failed during its first unit of work since connection.

The local system was in-doubt about the outcome of the distributed unit of work and expected to receive notification of the outcome from the remote system. This will never be received.

The local unit of work is committed in accordance with the ACTION attribute in the transaction definition.

System Action: The system commits the unit of work and releases the locks associated with any resource updates.

User Response: Take user-defined action to resynchronize the resources in the local and remote systems if necessary.

Destination: CSMT

Module: DFHRMLN

XMEOUT Parameters: *date, time, applid, mm/dd/yy, hh:mm:ss, name, tranid, trannum, termid, userid, netuowid, X'localuowid'*

DFHRM0113 *date time applid* **Intersystem communication recovery. The remote system has reinitialized. The local unit of work is backed out. Original failure date** *mm/dd/yy* **failure time** *hh:mm:ss* **remote system** *name* **transaction** *tranid* **task number** *trannum* **terminal** *termid* **user** *userid* **network UOW** *netuowid* **local UOW** *X'localuowid'***.**

Explanation: Communication with the remote system has been resumed. Resynchronization with the remote system was attempted. It was found that the remote system has reinitialized and now has no knowledge of the unit of work. The resource updates of the distributed unit of work in the remote system might have committed or backed out.

If the session is an MRO session to a pre-CICS Transaction Server system, this message may be issued even if the remote system was not reinitialized. This can only occur if the session failed during its first unit of work since connection.

The unit of work in the local system was in-doubt about the outcome of the distributed unit of work and expected to receive notification of the outcome from the remote system. This will never be received.

The local unit of work is backed out in accordance with the ACTION attribute in the transaction definition.

System Action: The system backs out the local resource updates and releases the locks associated with those updates.

User Response: Take user-defined action to resynchronize the resources in the local and remote systems if necessary.

Destination: CSMT

Module: DFHRMLN

XMEOUT Parameters: *date, time, applid, mm/dd/yy, hh:mm:ss, name, tranid, trannum, termid, userid, netuowid, X'localuowid'*

DFHRM0114 *date time applid* **Intersystem communication recovery. The remote system has reinitialized. Original failure date** *mm/dd/yy* **failure time** *hh:mm:ss* **remote system** *name* **transaction** *tranid* **task number** *trannum* **terminal** *termid* **user** *userid* **network UOW** *netuowid* **local UOW** *X'localuowid'***.**

Explanation: Communication with the remote system has been resumed. Resynchronization with the remote system was attempted. It was found that the remote system has reinitialized and now has no knowledge of the unit of work. The resource updates of the distributed unit of work in the remote system might have committed or backed out. The unit of work in the local system had previously committed or backed out.

System Action: Processing continues.

User Response: Take user-defined actions to resynchronize resources in local and remote systems if necessary.

Destination: CSMT

Module: DFHRMLN

XMEOUT Parameters: *date, time, applid, mm/dd/yy, hh:mm:ss, name, tranid, trannum, termid, userid, netuowid, X'localuowid'*

DFHRM0115 *date time applid* **Intersystem communication recovery. The remote system sent mixed heuristic outcome. Resource updates will be committed. Original failure date** *mm/dd/yy* **failure time** *hh:mm:ss* **remote system** *name* **transaction** *tranid* **task number** *trannum* **terminal** *termid* **user** *userid* **network UOW** *netuowid* **local UOW** *X'localuowid'***.**

Explanation: Communication with the remote system has been resumed. Resynchronization with the remote system was attempted. It was found that some resource updates in the distributed unit of work committed and some backed out. The local system was in-doubt about the outcome of the distributed unit of work and expected to receive notification of the outcome from the remote system. The notification received does not determine whether to commit or back out the local resource updates. The definition of the locally executing transaction will be used to decide whether to commit or back out the local resource updates. The local resource updates are committed in accordance with the ACTION attribute in the transaction definition.

System Action: The system commits the local resource updates and releases the locks associated with those updates.

User Response: Take user-defined action to resynchronize the resources in the local and remote systems.

Destination: CSMT

Module: DFHRMLN

XMEOUT Parameters: *date, time, applid, mm/dd/yy, hh:mm:ss, name, tranid, trannum, termid, userid, netuowid, X'localuowid'*

DFHRM0116 *date time applid* **Intersystem communication recovery. The remote system sent mixed heuristic outcome. The unit of work will be backed out. Original failure date** *mm/dd/yy* **failure time** *hh:mm:ss* **remote system** *name* **transaction** *tranid* **task number** *trannum* **terminal** *termid* **user** *userid* **network UOW** *netuowid* **local UOW** *X'localuowid'***.**

Explanation: Communication with the remote system has been resumed. Resynchronization with the remote system was attempted. It was found that some resource updates in the distributed unit of work committed and some backed out. The local system was in-doubt about the outcome of the distributed unit of work and expected to receive notification of the outcome from the remote system. The notification received does not determine whether to commit or back out the resource updates. The local unit of work is backed out in accordance with the ACTION attribute in the transaction definition.

System Action: The system backs out the local resource updates and releases the locks associated with those updates.

User Response: Take user-defined actions to resynchronize resources in local and remote systems, if necessary.

Destination: CSMT

Module: DFHRMLN

XMEOUT Parameters: *date, time, applid, mm/dd/yy, hh:mm:ss, name, tranid, trannum, termid, userid, netuowid, X'localuowid'*

DFHRM0117 *date time applid* **Intersystem communication recovery. The remote system sent mixed heuristic outcome. Original failure date** *mm/dd/yy* **failure time** *hh:mm:ss* **remote system** *name* **transaction** *tranid* **task number** *trannum* **terminal** *termid* **user** *userid* **network UOW** *netuowid* **local UOW** *X'localuowid'***.**

Explanation: Communication with the remote system has been resumed. Resynchronization with the remote system was attempted. It was found that some resource updates in the distributed unit of work committed and some backed out. The resource updates in the local system had previously committed or backed out.

System Action: Processing continues.

User Response: Take user-defined action to resynchronize the resources in the local and remote systems.

Destination: CSMT

Module: DFHRMLN

XMEOUT Parameters: *date, time, applid, mm/dd/yy, hh:mm:ss, name, tranid, trannum, termid, userid, netuowid, X'localuowid'*

DFHRM0118 *date time applid* **Intersystem communication recovery. Resynchronization information from the remote system was not sufficient to determine the outcome of the unit of work. Resource updates will be committed. Original failure date** *mm/dd/yy* **failure time** *hh:mm:ss* **remote system** *name* **transaction** *tranid* **task number** *trannum* **terminal** *termid* **user** *userid* **network UOW** *uowid* **local UOW** *X'localuowid'***.**

Explanation: Communication with the remote system has been resumed. Resynchronization with the remote system was attempted. The local system was in-doubt about the outcome of the distributed unit of work and expected to receive notification of the outcome from the remote system. Information received from the remote system did not determine whether to commit or back out the local resource updates.

The definition of the locally executing transaction is used to decide whether to commit or back out the local resource updates. The local resource updates are committed in accordance with the ACTION attribute in the transaction definition.

System Action: The system commits the local resource updates and releases the locks associated with those updates.

User Response: Take user-defined actions to resynchronize resources in local and remote systems, if necessary.

Destination: CSMT

Module: DFHRMLN

XMEOUT Parameters: *date, time, applid, mm/dd/yy, hh:mm:ss, name, tranid, trannum, termid, userid, uowid, X'localuowid'*

DFHRM0119 *date time applid* **Intersystem communication recovery. Resynchronization information from the remote system was not sufficient to determine the outcome of the unit of work. Resource updates will be backed out. Original failure date** *mm/dd/yy* **failure time** *hh:mm:ss* **remote system** *name* **transaction** *tranid* **task number** *trannum* **terminal** *termid* **user** *userid* **network UOW** *netuowid* **local UOW** *X'localuowid'***.**

Explanation: Communication with the remote system has been resumed. Resynchronization with the remote system was attempted. The local system was in-doubt about the outcome of the distributed unit of work and expected to receive notification of the outcome from the remote system. Information received from the remote system did not determine whether to commit or back out the resource updates.

The definition of the locally executing transaction is used to decide whether to commit or back out the local resource updates. The local resource updates are backed out in accordance with the ACTION attribute in the transaction definition.

System Action: The system backs out the local resource updates and releases the locks associated with those updates.

User Response: Take user-defined action to resynchronize resources in local and remote systems, if necessary.

Destination: CSMT

Module: DFHRMLN

XMEOUT Parameters: *date, time, applid, mm/dd/yy, hh:mm:ss, name, tranid, trannum, termid, userid, netuowid, X'localuowid'*

DFHRM0120 *date time applid* **Intersystem communication recovery. Resynchronization information from the remote system was not sufficient to determine the outcome of the unit of work. Original failure date** *mm/dd/yy* **failure time** *hh:mm:ss* **remote system** *name* **transaction** *tranid* **task number** *trannum* **terminal** *termid* **user** *userid* **network UOW** *netuowid* **local UOW** *X'localuowid'***.**

Explanation: Communication with the remote system has been resumed. Resynchronization with the remote system was attempted. Information received from the remote system did not determine whether resource updates in the distributed unit of work committed or backed out. The resource updates in the local system had previously committed or backed out.

System Action: Processing continues.

User Response: Take user-defined action to resynchronize the resources in the local and remote systems.

Destination: CSMT

Module: DFHRMLN

XMEOUT Parameters: *date, time, applid, mm/dd/yy, hh:mm:ss, name, tranid, trannum, termid, userid, netuowid, X'localuowid'*

DFHRM0121 *date time applid* **Intersystem communication recovery. A protocol violation was detected during resynchronization with the remote system. Resource updates will be committed. Original failure date** *mm/dd/yy* **failure time** *hh:mm:ss* **remote system** *name* **transaction** *tranid* **task number** *trannum* **terminal** *termid* **user** *userid* **network UOW** *netuowid* **local UOW** *X'localuowid'***.**

Explanation: Communication with the remote system has been resumed. Resynchronization with the remote system was attempted. The local system detected a protocol violation during resynchronization. The local system was in-doubt about the outcome of the distributed unit of work and expected to receive notification of the outcome from the remote system. The local system cannot determine whether to commit or back out the resource updates to be consistent other resource changes in the distributed unit of work. The definition of the locally executing transaction will be used to decide whether to commit or back out the local resource updates. The local resource updates are committed in accordance with the ACTION attribute in the transaction definition.

System Action: The system commits the local resource updates and releases the locks associated with those updates.

User Response: Take user-defined action to resynchronize the resources in the local and remote systems.

Destination: CSMT

Module: DFHRMLN

XMEOUT Parameters: *date, time, applid, mm/dd/yy, hh:mm:ss, name, tranid, trannum, termid, userid, netuowid, X'localuowid'*

DFHRM0122 *date time applid* **Intersystem communication recovery. A protocol violation was detected during resynchronization with the remote system. Resource updates will be backed out. Original failure date** *mm/dd/yy* **failure time** *hh:mm:ss* **remote system** *name* **transaction** *tranid* **task number** *trannum* **terminal** *termid* **user** *userid* **network UOW** *netuowid* **local UOW** *X'localuowid'***.**

Explanation: Communication with the remote system has been resumed. Resynchronization with the remote system was attempted. The local system detected a protocol violation during resynchronization. The local system was in-doubt about the outcome of the distributed unit of work and expected to receive notification of the outcome from the remote system. The local system cannot determine whether to commit or back out the resource updates to be consistent other resource changes in the distributed unit of work. The definition of the locally executing transaction is used to decide whether to commit or back out the local resource updates. The local resource updates are backed out in accordance with the ACTION attribute in the transaction definition.

System Action: The system backs out the local resource updates and releases the locks associated with those updates.

User Response: Take user-defined action to resynchronize the resources in the local and remote systems.

Destination: CSMT

Module: DFHRMLN

XMEOUT Parameters: *date, time, applid, mm/dd/yy, hh:mm:ss, name, tranid, trannum, termid, userid, netuowid, X'localuowid'*

DFHRM0123 *date time applid* **Intersystem communication recovery. A protocol violation was detected during resynchronization with the remote system. Original failure date** *mm/dd/yy* **failure time** *hh:mm:ss* **remote system** *name* **transaction** *tranid* **task number** *trannum* **terminal** *termid* **user** *userid* **network UOW** *netuowid* **local UOW** *X'localuowid'***.**

Explanation: Communication with the remote system has been resumed. Resynchronization with the remote system was attempted. The local system detected a protocol violation during resynchronization. The resource updates in the local system had previously committed or backed out.

System Action: Processing continues.

User Response: Take user-defined action to resynchronize the resources in the local and remote systems.

Destination: CSMT

Module: DFHRMLN

XMEOUT Parameters: *date, time, applid, mm/dd/yy, hh:mm:ss, name, tranid, trannum, termid, userid, netuowid, X'localuowid'*

DFHRM0124 *date time applid* **Intersystem communication recovery. Resource updates are out of sync. network UOW** *netuowid* **remote system** *name***.**

Explanation: Intersystem communication recovery is in progress. The remote system has attempted to resynchronize a unit of work but the local system no longer has any knowledge of that unit of work. This is because the last agent or the presumed abort protocol is being used and the local system backed out the resource updates associated with the unit of work. The remote system has sent notification that the resource updates in the remote system did not back out.

System Action: Processing continues.

User Response: Take user-defined action to resynchronize the resources in the local and remote systems.

Destination: CSMT

Module: DFHRMLN

XMEOUT Parameters: *date, time, applid, netuowid, name*

DFHRM0125 *date time applid* **Clear pending issued. The connection to the remote system has been set NOTPENDING. Resource updates will be committed. Original failure date** *mm/dd/yy* **failure time** *hh:mm:ss* **remote system** *name* **transaction** *tranid* **task number** *trannum* **terminal** *termid* **user** *userid* **network UOW** *netuowid* **local UOW** *X'localuowid'***.**

Explanation: The connection with the remote system has been set NOTPENDING or NORECOVDATA, or the connection is defined with XLNACTION(FORCE). The local system was in-doubt about the outcome of the distributed unit of work and expected to receive notification of the outcome from the remote system. Setting the connection with the remote system NOTPENDING or NORECOVDATA preempts the notification of the outcome from the remote system. The definition of the locally executing transaction is used to decide whether to commit or back out the local resource updates. The local resource updates are committed in accordance with the ACTION attribute in the transaction definition.

System Action: The system commits the local resource updates and releases the locks associated with those updates.

User Response: Take user-defined action to resynchronize the resources in the local and remote systems.

Destination: CSMT

Module: DFHRMLN,DFHRMLK4,DFHRMLSO,DFHRMLSS

XMEOUT Parameters: *date, time, applid, mm/dd/yy, hh:mm:ss, name, tranid, trannum, termid, userid, netuowid, X'localuowid'*

DFHRM0126 *date time applid* **Clear pending issued. The connection to the remote system has been set NOTPENDING. Resource updates will be backed out. Original failure date** *mm/dd/yy* **failure time** *hh:mm:ss* **remote system** *name* **transaction** *tranid* **task number** *trannum* **terminal** *termid* **user** *userid* **network UOW** *netuowid* **local UOW** *X'localuowid'***.**

Explanation: The connection with the remote system has been set NOTPENDING or NORECOVDATA, or the connection is defined with XLNACTION(FORCE). The local system was in-doubt about the outcome of the distributed unit of work and expected to receive notification of the outcome from the remote system. Setting the connection with the remote system NOTPENDING or NORECOVDATA preempts the notification of the outcome from the remote system. The definition of the locally executing transaction is used to decide whether to commit or back out the local resource

updates. The local resource updates are backed out in accordance with the ACTION attribute in the transaction definition.

System Action: The system backs out the local resource updates and releases the locks associated with those updates.

User Response: Take user-defined action to resynchronize the resources in the local and remote systems.

Destination: CSMT

Module: DFHRMLN,DFHRMLK4,DFHRMLSO,DFHRMLSS

XMEOUT Parameters: *date, time, applid, mm/dd/yy, hh:mm:ss, name, tranid, trannum, termid, userid, netuowid, X'localuowid'*

DFHRM0127 *date time applid* **Clear pending issued. The connection to the remote system has been set NOTPENDING. Original failure date** *mm/dd/yy* **failure time** *hh:mm:ss* **remote system** *name* **transaction** *tranid* **task number** *trannum* **terminal** *termid* **user** *userid* **network UOW** *netuowid* **local UOW** *X'localuowid'***.**

Explanation: Communication between the systems had previously failed during a syncpoint. Resynchronization between the systems has been preempted. The connection with the remote system has been:

- Set NOTPENDING,
- Set NORECOVDATA,
- Reestablished and is defined with XLNACTION(FORCE).

If the unit of work in the local system was in-doubt about the outcome of the distributed unit of work, local resource updates are committed or backed out in accordance with the ACTION attribute in the transaction definition.

Since no resynchronization with the remote system is attempted, the resource updates in the local and remote systems might be out of synchronization.

System Action: Processing continues.

User Response: Take user-defined action to resynchronize the resources in the local and remote systems.

Destination: CSMT

Module: DFHRMLN,DFHRMLK4,DFHRMLSO,DFHRMLSS

XMEOUT Parameters: *date, time, applid, mm/dd/yy, hh:mm:ss, name, tranid, trannum, termid, userid, netuowid, X'localuowid'*

DFHRM0129 *date time applid* **Intersystem communication failure. Resource updates may be out of sync. Failure date** *mm/dd/yy* **failure time** *hh:mm:ss* **remote system** *name* **transaction** *tranid* **task number** *trannum* **terminal** *termid* **user** *userid* **network UOW** *netuowid* **local UOW** *X'localuowid'***.**

Explanation: Communication with the remote system has failed. The resource updates in the local system are committing or backing out. The notification of the outcome of the distributed unit of work might not reach the remote system. One system might commit its resource updates while the other backs them out leaving updates out of synchronization. There will be no resolution message when the local and remote systems resynchronize, because the remote system does not provide the local system with resynchronization information.

System Action: The system commits or backs out the local resource updates and releases the locks associated with those updates. Information is retained to enable resynchronization with the remote system.

User Response: Reestablish communication with the remote system as soon as possible. The local system is the coordinator, and will provide indoubt resolution information for the remote system when communication is reestablished. If the remote system has taken a heuristic decision regarding the unit of work, then it should have provided diagnostic information to indicate this.

Destination: CSMT

Module: DFHRMLSO

XMEOUT Parameters: *date, time, applid, mm/dd/yy, hh:mm:ss, name, tranid, trannum, termid, userid, netuowid, X'localuowid'*

DFHRM0130 *applid* **Recovery manager has successfully quiesced.**

Explanation: The recovery manager has quiesced.

The warm keypoint has been taken.

System Action: Shutdown continues.

User Response: None.

Destination: Console

Module: DFHRMDM

XMEOUT Parameter: *applid*

DFHRM0131 *applid* **Resynchronization required with** *protocol* **resources.**

Explanation: This system contained unquiesed state when shutdown was performed. The state may consist of units of work or lognames (lognames can exist for communications protocols IRC and APPC only). This system may need to perform resynchronization with other systems to resolve the outcome of any distributed units of work. This can be done as part of the work of a subsequent CICS system.

The systems with which resynchronization is necessary are reported in messages DFHRM0132 or DFHRM0133.

A subsequent CICS start which reinitializes the catalog and system log data would discard the units of work and/or lognames and cause a possible loss of data integrity.

System Action: Shutdown continues.

User Response: To maintain data integrity, perform an AUTO start and enable resynchronization with the appropriate systems.

Destination: Console

Module: DFHRMNS2

XMEOUT Parameters: *applid, protocol*

DFHRM0132 *date time applid* **Resynchronization is required with** *protocol* **system** *system***.**

Explanation: A unit of work active in the system at shutdown requires resynchronization with the named system. The unit of work was part of a distributed unit of work and resynchronization is necessary to resolve the outcome.

Resynchronization occurs after a subsequent start unless catalog and system log information is reinitialized.

System Action: Shutdown continues.

User Response: If necessary, take user-defined action to protect data integrity until the remote and the local data can be synchronized.

Destination: CSMT

Modules: DFHRMLKQ, DFHRMNS2

XMEOUT Parameters: *date, time, applid, protocol, system*

DFHRM0133 *date time applid* **Resynchronization may be required with** *protocol* **system** *system***.**

Explanation: This system exchanged lognames with the remote system and so may require resynchronization with that system.

Resynchronization occurs after a subsequent CICS start unless catalog or system log information is reinitialized.

System Action: Shutdown continues.

User Response: If necessary, take user-defined action to protect data integrity until resynchronization takes place.

Destination: CSMT

Module: DFHRMNS2

XMEOUT Parameters: *date, time, applid, protocol, system*

DFHRM0134 *applid* **Recovery manager domain failed reading the global catalog, or did not find its control record.**

Explanation: The recovery manager domain has failed while reading the global catalog. Either it was trying to establish the status of the system at the termination of the last execution of CICS and the control record was missing or invalid, or else it could not read the catalog successfully.

System Action: CICS terminates abnormally with a dump.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Investigate the cause of the error using the dump or other diagnostic messages which have been issued (for example, from VSAM or MVS).

If the problem has been caused by an I/O error, see the description of the CICS message already issued from the catalog for guidance.

If the problem has been caused by an invalid data length, see the exception trace entry in the trace table.

If the problem has been caused by a missing control record, the catalog is not suitable for a recoverable start and you should perform an initial start.

Destination: Console

Module: DFHRMDM

XMEOUT Parameter: *applid*

DFHRM0135 *date time applid* **Intersystem communication recovery. Resource updates found to be synchronized. Original failure date** *mm/dd/yy* **failure time** *hh:mm:ss* **remote system** *name* **transaction** *tranid* **task number** *trannum* **terminal** *termid* **user** *userid* **network UOW** *netuowid* **local UOW** *X'localuowid'***.**

Explanation: Resynchronization with the remote system which is a subordinate in the unit of work has occurred following the resumption of communication, or the unshunting of the unit of work on the local system. Either the remote system had already taken a decision for its local resource updates in the distributed unit of work, or the remote system was waiting for the decision from this system. In either case, it has now been established that the resource updates in the local and remote systems are synchronized.

System Action: Processing continues.

User Response: None

Destination: CSMT

Module: DFHRMLN

XMEOUT Parameters: *date, time, applid, mm/dd/yy, hh:mm:ss, name, tranid, trannum, termid, userid, netuowid, X'localuowid'*

DFHRM0136 *applid* **The applid has changed from** *old_applid* **to** *new_applid***. Recovery cannot continue.**

Explanation: Recovery is requested, but the applid recovered by the recovery manager domain from the CICS catalog is different from that specified for the system. This implies that the identity of the system on the network has changed. The system must maintain the same identity on the network for resynchronization to be performed with other systems.

System Action: The system is terminated.

User Response: If recovery and resynchronization is required, correct the applid in the SIT and restart the system. Do not reinitialize catalog or system log information unless you wish to change the identity of the CICS system.

Destination: Console

Module: DFHRMDM

XMEOUT Parameters: *applid, old_applid, new_applid*

DFHRM0139 *date time applid* **UOWLINK deleted by user action. Original failure date** *mm/dd/yy* **failure time** *hh:mm:ss* **remote system** *name* **transaction** *tranid* **task number** *trannum* **terminal** *termid* **user** *userid* **network UOW** *netuowid* **local UOW** *X'localuowid'***.**

Explanation: This message is issued to confirm the deletion of a UOW-link (UOWLINK) by a CEMT or EXEC CICS SET UOWLINK ACTION(DELETE) command. This command is used to delete links that were created by connections that have since been discarded.

System Action: The system continues normally.

User Response: None.

Destination: CSMT

Module: DFHRMLN

XMEOUT Parameters: *date, time, applid, mm/dd/yy, hh:mm:ss, name, tranid, trannum, termid, userid, netuowid, X'localuowid'*

DFHRM0140 *applid* **Recovery manager autostart override found with value: '***autofield***'.**

Explanation: Recovery manager has located an autostart override record in the global catalog data set which has one of the values AUTOINIT, AUTOCOLD, or AUTOASIS.

System Action: The system continues. If this is an AUTO start, the autostart override value in the message is used to determine the type of start to be performed.

User Response: No action is necessary.

Destination: Console

Module: DFHRMDM

XMEOUT Parameters: *applid, autofield*

DFHRM0141 *applid* **Recovery manager autostart override record is not present. Normal processing continues.**

Explanation: There is no autostart override record in the global catalog data set. If you have not used the utility DFHRMUTL this message is normal for an AUTO start and does not represent a problem.

System Action: The default auto start processing continues. This is equivalent to an AUTOASIS value in an autostart override record.

User Response: No action is necessary.

Destination: Console

Module: DFHRMDM

XMEOUT Parameter: *applid*

DFHRM0142 *applid* **Recovery manager autostart override record found to be: '***autofield***', and this is not a valid value. AUTOASIS is assumed instead.**

Explanation: Recovery manager has located an autostart override record in the global catalog data set which does not have one of the values: AUTOINIT, AUTOCOLD, or AUTOASIS.

System Action: AUTOASIS is assumed, a dump is taken, and the system continues. The override record will be removed at startup as usual.

User Response: No action is necessary. To correctly set the autostart override record the utility DFHRMUTL should be used prior to starting CICS.

Destination: Console

Module: DFHRMDM

XMEOUT Parameters: *applid, autofield*

DFHRM0143 *applid* **Recovery manager autostart override record is invalid. 'AUTOASIS' is assumed.**

Explanation: Recovery manager has found an autostart override record in the global catalog data set, but it has an invalid length or is in the wrong format.

System Action: A dump is taken and the system continues. The autostart override value is assumed to be AUTOASIS. The autostart override record is removed from the catalog at startup as usual.

User Response: Investigate why the global catalog data set should have been incorrectly modified. The DFHRMUTL utility is used to correctly set the autostart override record prior to starting CICS.

Destination: Console

Module: DFHRMDM

XMEOUT Parameter: *applid*

DFHRM0144 *applid* **Recovery manager catalog record indicates that no recovery is possible. An initial start is required.**

Explanation: Recovery manager has read its catalog record from the global catalog data set and this indicates that no recovery is possible. The most likely reason is that CICS detected a corrupted log before the last CICS shutdown. Startup cannot continue with these start parameters.

System Action: CICS terminates abnormally with a dump.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Determine whether the CICS startup job correctly identifies the global catalog data set. If it does, the system log may be unusable and you must perform an initial start of CICS.

If the global catalog data set was incorrectly identified, retry the job with the correct global catalog data set.

Destination: Console

Module: DFHRMDM

XMEOUT Parameter: *applid*

DFHRM0145 *applid* **Recovery manager does not recognize the form of start requested by SIT parameters and overrides.**

Explanation: Recovery manager cannot determine what sort of CICS start to perform. The parameters on the SIT and any settings read from the catalog data set are inconsistent with a valid start type.

System Action: CICS terminates abnormally with a dump.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: This failure is caused by an internal CICS inconsistency. You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Module: DFHRMDM

XMEOUT Parameter: *applid*

DFHRM0146D *applid* **Global catalog data set recovery data not found. System log data will be lost. Reply 'GO' or 'CANCEL'.**

Explanation: A cold start has been requested, and no recovery control record information was found in the global catalog data set. Either this is the first execution of CICS with this global catalog data set, the wrong global catalog data set is being used, or the global catalog data set has been initialized without information necessary for recovery.

System Action: The system waits for a response.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: If this is the first time CICS has been run with this global catalog data set, or if it is intended to delete all recovery information from the system log, reply ‘GO’. This forces an initial start with no system log information retained from previous CICS executions. In particular, information used to resynchronize with remote CICS systems is cleared as well as all local recovery information.

If this is not the first time, or if you wish to retain system log information and try with another global catalog data set, reply ‘CANCEL’ to terminate this CICS execution. Nothing is discarded in this case. Check the global catalog data set and try again.

Destination: Console

Module: DFHRMDM

XMEOUT Parameter: *applid*

DFHRM0147 *applid* **Reply CANCEL was received.**

Explanation: A reply of 'CANCEL' was received in response to message DFHRM0146.

System Action: CICS terminates.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: None.

Destination: Console

Module: DFHRMDM

XMEOUT Parameter: *applid*

DFHRM0148 *date time applid* **Intersystem communication recovery. Resource updates are in sync. network UOW id** *netuowid* **remote system** *name***.**

Explanation: Intersystem communication recovery is in progress. The remote system has attempted to resynchronize a unit of work and the local system no longer has any knowledge of that unit of work. This is because the local system was the coodinator, and the last agent or presumed abort protocols were being used. Any local resource updates associated with the unit of work were backed out. The remote system has sent notification that the resource updates in the remote system are still indoubt (and will be backed out following resynchronization) or have already been backed out.

System Action: Processing continues.

User Response: None.

Destination: CSMT

Module: DFHRMLN

XMEOUT Parameters: *date, time, applid, netuowid, name*

DFHRM0149I *applid* **Recovery manager autostart override record will be deleted.**

Explanation: Recovery manager has found an autostart override record in the global catalog data set. It is deleted after the correct startup type is determined unless this is a diagnostic run. If this is a diagnostic run the recovery manager global catalog records are not altered.

System Action: Unless this is a diagnostic run the record is removed from the global catalog data set and will not influence subsequent starts.

User Response: None.

Destination: Console

Module: DFHRMDM

XMEOUT Parameter: *applid*

DFHRM0150 *applid* **Diagnostic run due to AUTODIAG override is finished. CICS will now terminate.**

Explanation: Recovery manager has performed a diagnostic run and now terminates with a dump. This is a result of an AUTODIAG override in the auto override record.

System Action: The system terminates. A dump is taken.

User Response: No further action is necessary.

Destination: Console

Module: DFHRMDM

XMEOUT Parameter: *applid*

DFHRM0151 *applid* **Diagnostic run is initiated. A simulated AUTO start is performed for diagnostic purposes only.**

Explanation: Recovery manager has detected a diagnostic run override (AUTODIAG) on the global catalog. This run of CICS will not perform any application processing and is for diagnostic purposes only.

System Action: The system continues. A dump is taken later prior to terminating.

User Response: No further action is necessary at this time. See the *CICS Problem Determination Guide* for details of the reasons you might want to perform a diagnostic run, and for other diagnostics you may wish to preserve at the same time.

Destination: Console

Module: DFHRMDM

XMEOUT Parameter: *applid*

DFHRM0152 *applid* **Recovery manager autostart override record is set to AUTODIAG.**

Explanation: The recovery manager auto override record on the global catalog has been set to AUTODIAG to allow a diagnostic run before the next initial start.

System Action: Processing continues.

User Response: No action is necessary. See the *CICS Problem Determination Guide* for information about how to perform a diagnostic run.

Destination: Console

Module: DFHRMDM

XMEOUT Parameter: *applid*

DFHRM0154 *applid* **Uncommitted local resource updates found on the System Log. COLD start is NOT preserving data integrity.**

Explanation: A cold start has been requested, but units of work containing uncommitted local resource updates have been found on the system log. The cold start will ignore this information and so data integrity will not be preserved for the affected resources.

System Action: The cold start continues.

Message DFHME0116 is normally produced containing the symptom string for this problem.

Destination: Console

Module: DFHRMU1E

XMEOUT Parameter: *applid*

DFHRM0156 *applid* **This COLD start will NOT cause any damage to local resources.**

Explanation: The recovery manager established that there were no uncommitted resource updates recorded on the system log from a previous execution of CICS. Thus there is no local recovery necessary.

System Action: System initialization continues.

User Response: None.

Destination: Console

Module: DFHRMU1E

XMEOUT Parameter: *applid*

DFHRM0200 *applid indoubt_uows* **indoubt UOWs were reconstructed.**

Explanation: This message displays the number of indoubt units of work (UOWs), *indoubt_uows*, which were reconstructed on a warm or emergency restart.

It is issued only if there is at least one UOW which is indoubt. It is issued before any of the reconstructed UOWs are unshunted and processed in parallel.

System Action: The system has performed the backwards scan of the system log and is about to start unshunting UOWs which need further processing.

The system commits or backs out UOWs which were indoubt and for which either of the following conditions apply:

- The transaction is defined with WAIT(NO)
- The transaction is defined with WAIT(YES) and the WAITTIME has expired.

  Note: A WAITTIME of zero implies an indefinite wait.

Where communications with the coordinator systems is possible, UOWs are unshunted and updates are committed or backed out on the local system. These updates are synchronized with the updates made on the coordinator system.

Where communications with the coordinator systems is not immediately possible, UOWs are preserved until resynchronization with the coordinator system is possible or until the WAITTIME expires. The suspension of these indoubt UOWs causes updated recoverable resources to remain locked against subsequent updates.

User Response: None.

If further investigation is required, use the CEMT INQUIRE UOW INDOUBT and CEMT INQUIRE UOWENQ RETAINED commands once CICS has initialized. These commands detail the indoubt UOWs and the associated retained enqueues.

Destination: Console

Module: DFHRMU1E.

XMEOUT Parameters: *applid, indoubt_uows*

DFHRM0201 *date time applid bfail_uows* **backout-failed and** *cfail_uows* **commit-failed UOWs were reconstructed.**

Explanation: This message displays the number of backout-failed units of work (UOWs), *bfail_uows*, and the number of commit-failed UOWs, *cfail_uows*, which were reconstructed on a warm or emergency restart.

This message is issued only if there is at least one such UOW. It is issued before any of the reconstructed UOWs are unshunted and processed in parallel.

Note: This message is issued before the commit-failed and backout-failed UOWs are processed. Many of these UOWs are likely to be resolved during CICS initialization. Any true commit-failed or backout-failed UOWs are highlighted by further messages issued during CICS initialization. Also, once CICS is fully initialized, the master terminal transaction (CEMT) can be used to determine whether there are any outstanding commit-failed or backout-failed UOWs.

System Action: The system has performed the backwards scan of the system log and is about to start unshunting UOWs which need further processing.

UOWs which have failed to back out locally or commit locally are retried.

User Response: None.

Destination: CSMT

Module: DFHRMU1E

XMEOUT Parameters: *date, time, applid, bfail_uows, cfail_uows*

DFHRM0202 *date time applid inflight_uows* **inflight UOWs were reconstructed.**

Explanation: This message displays the number of inflight units of work (UOWs), *inflight_uows*, which were reconstructed on an emergency restart.

It is issued only if there is at least one UOW which is inflight. It is issued before any of the reconstructed UOWs are unshunted and processed in parallel.

System Action: The system has performed the backwards scan of the system log and is about to start unshunting UOWs which need further processing.

User Response: None.

Destination: CSMT

Module: DFHRMU1E.

XMEOUT Parameters: *date, time, applid, inflight_uows*

DFHRM0203 *applid* **There are** *indoubt_uows* **indoubt,** *cfail_uows* **commit-failed and** *bfail_uows* **backout-failed UOWs.**

Explanation: This message displays the numbers of indoubt units of work (UOWs) *indoubt_uows*, backout-failed UOWs *bfail_uows*, and commit-failed UOWs *cfail_uows* in the CICS system at the time of the normal shutdown.

It is issued only if there is at least one such UOW. If there are none, message DFHRM0204 is issued instead.

Messages DFHRM0203 and DFHRM0204 can be used to determine whether or not it is safe to cold start CICS following a normal shutdown without losing resynchronization information. See DFHRM0204 for more information.

System Action: Shutdown processing continues.

User Response: None.

Destination: Console

Module: DFHRMU1K

XMEOUT Parameters: *applid, indoubt_uows, cfail_uows, bfail_uows*

DFHRM0204 *applid* **There are no indoubt, commit-failed or backout-failed UOWs.**

Explanation: There are no indoubt, commit-failed, or backout-failed units of work (UOWs) in the CICS system at the time of the normal shutdown.

If there are any such units of work, message DFHRM0203 is issued.

This message indicates that it safe to do a cold start of CICS without losing any resynchronization information.

System Action: Shutdown processing continues.

User Response: None.

Destination: Console

Module: DFHRMU1K

XMEOUT Parameter: *applid*

DFHRM0205 *date time applid* **An activity keypoint has been successfully taken.**

Explanation: CICS has successfully taken an activity keypoint. This message is also issued for the shutdown keypoint.

System Action: Normal processing continues..

User Response: None.

Destination: CSMT

Module: DFHRMR1K

XMEOUT Parameters: *date, time, applid*

DFHRM0208 *date time applid* **Intersystem communication recovery. A unit of work recovered only for remote resynchronization is now being committed. Local resources are not synchronized with the unit of work. Original failure date** *mm/dd/yy* **failure time** *hh:mm:ss* **remote system** *name* **transaction** *tranid* **task number** *trannum* **terminal** *termid* **user** *userid* **network UOW** *netuowid* **local UOW** *X'localuowid'***.**

Explanation: This message is issued during intersystem communication recovery as a follow up to message DFHRM0106. Communication with the remote system that is the coordinator of this unit of work has been re-established and resynchronization is taking place. It has now been established that the remote system completed the synchronization point. Since this unit of work was recovered as part of a cold start, no local resources were locked pending this resynchronization and local resources are not synchronized with this decision.

System Action: The system allows the unit of work to commit for the purposes of resynchronization with remote systems. No local resources are changed.

User Response: None.

Destination: CSMT

Module: DFHRMLN

XMEOUT Parameters: *date, time, applid, mm/dd/yy, hh:mm:ss, name, tranid, trannum, termid, userid, netuowid, X'localuowid'*

DFHRM0209 *date time applid* **Intersystem communication recovery. A unit of work recovered only for remote resynchronization is now being backed out. Local resources are not synchronized with the unit of work. Original failure date** *mm/dd/yy* **failure time** *hh:mm:ss* **remote system** *name* **transaction** *tranid* **task number** *trannum* **terminal** *termid* **user** *userid* **network UOW** *netuowid* **local UOW** *X'localuowid'***.**

Explanation: This message is issued during intersystem communication recovery as a follow up to message DFHRM0106. Communication with the remote system that is the coordinator of this unit of work has been re-established and resynchronization is taking place. It has now been established that the remote system did not complete the synchronization point. Since this unit of work was recovered as part of a cold start, no local resources were locked pending this resynchronization and local resources are not synchronized with this decision.

System Action: The system allows the unit of work to back out for resynchronization with remote systems. No local resources are changed.

User Response: None.

Destination: CSMT

Module: DFHRMLN

XMEOUT Parameters: *date, time, applid, mm/dd/yy, hh:mm:ss, name, tranid, trannum, termid, userid, netuowid, X'localuowid'*

DFHRM0212 *date time applid* **Intersystem communication recovery. The remote system has reinitialized. The unit of work is treated as committed. Original failure date** *mm/dd/yy* **failure time** *hh:mm:ss* **remote system** *name* **transaction** *tranid* **task number** *trannum* **terminal** *termid* **user** *userid* **network UOW** *netuowid* **local UOW** *X'localuowid'***.**

Explanation: Communication with the remote system has been re-established. Resynchronization with the remote system was attempted. It was found that the remote system has restarted and has no knowledge of the unit of work. The distributed unit of work in the remote system might have committed or backed out.

The local system was in-doubt about the outcome of the distributed unit of work and expected to receive notification of the outcome from the remote system. This will never be received.

Since this unit of work was recovered only for remote resynchronization, no local resources were locked pending this decision and local resources are not synchronized with the distributed unit of work. The unit of work is treated as committed in accordance with the ACTION attribute in the transaction definition.

If communication was via an MRO session to a pre-CICS Transaction Server system, this message may be issued even if the remote system was not restarted. This can only occur if the session failed during its first unit of work since connection.

System Action: The system continues. Further remote resynchronization treats this unit of work as committed.

User Response: Take user-defined action to resynchronize the resources in the local and remote systems if necessary.

Destination: CSMT

Module: DFHRMLN

XMEOUT Parameters: *date, time, applid, mm/dd/yy, hh:mm:ss, name, tranid, trannum, termid, userid, netuowid, X'localuowid'*

DFHRM0213 *date time applid* **Intersystem communication recovery. The remote system has reinitialized. The unit of work is treated as backed out. Original failure date** *mm/dd/yy* **failure time** *hh:mm:ss* **remote system** *name* **transaction** *tranid* **task number** *trannum* **terminal** *termid* **user** *userid* **network UOW** *netuowid* **local UOW** *X'localuowid'***.**

Explanation: Communication with the remote system has been re-established. Resynchronization with the remote system was attempted. It was found that the remote system has restarted and has no knowledge of the unit of work. The distributed unit of work in the remote system might have committed or backed out. The unit of work in the local system was in-doubt about the outcome of the distributed unit of work and expected to receive notification of the outcome from the remote system. This will never be received.

Since the unit of work was recovered only for remote resynchronization no local resources were locked pending this outcome and local resources are not synchronized with the distributed unit of work.

The local unit of work is treated as backed out in accordance with the ACTION attribute in the local transaction definition.

If communication was via an MRO session to a pre-CICS Transaction Server system, this message may be issued even if the remote system was not reinitialized. This can only occur if the session failed during its first UOW since connection.

System Action: The system continues. Further remote resynchronization treats this unit of work as backed out.

User Response: Take user-defined actions to resynchronize resources in local and remote systems if necessary.

Destination: CSMT

Module: DFHRMLN

XMEOUT Parameters: *date, time, applid, mm/dd/yy, hh:mm:ss, name, tranid, trannum, termid, userid, netuowid, X'localuowid'*

DFHRM0214 *date time applid* **Intersystem communication recovery. The remote system has reinitialized. Original failure date** *mm/dd/yy* **failure time** *hh:mm:ss* **remote system** *name* **transaction** *tranid* **task number** *trannum* **terminal** *termid* **user** *userid* **network UOW** *netuowid* **local UOW** *X'localuowid'***.**

Explanation: Communication with the remote system has been re-established. Resynchronization with the remote system was attempted. It was found that the remote system has restarted and has no knowledge of the unit of work. The distributed unit of work in the remote system might have committed or backed out.

Since this unit of work was recovered only for remote resynchronization, no local resources were locked pending a decision and so local resources are not synchronized with the distributed unit of work.

System Action: Processing continues.

User Response: Take user-defined actions to resynchronize resources in local and remote systems if necessary.

Destination: CSMT

Module: DFHRMLN

XMEOUT Parameters: *date, time, applid, mm/dd/yy, hh:mm:ss, name, tranid, trannum, termid, userid, netuowid, X'localuowid'*

DFHRM0215 *date time applid* **Intersystem communication recovery. The remote system sent mixed heuristic outcome. The unit of work is treated as committed. Original failure date** *mm/dd/yy* **failure time** *hh:mm:ss* **remote system** *name* **transaction** *tranid* **task number** *trannum* **terminal** *termid* **user** *userid* **network UOW** *netuowid* **local UOW** *X'localuowid'***.**

Explanation: Communication with the remote system has been re-established. Resynchronization with the remote system was attempted. It was found that some resource updates in the distributed unit of work committed and some backed out. The local system was in-doubt about the outcome of the distributed unit of work and expected to receive notification of the outcome from the remote system. The notification received does not determine whether the unit of work should be committed or backed out. The unit of work is treated as committed in accordance with the ACTION attribute in the transaction definition.

Since this unit of work was recovered only for remote resynchronization, no local resources were locked pending this outcome and local resources are not synchronized with this decision.

System Action: The system continues. Further remote resynchronization treats this unit of work as committed.

User Response: Take user-defined action to resynchronize resources in local and remote systems if necessary.

Destination: CSMT

Module: DFHRMLN

XMEOUT Parameters: *date, time, applid, mm/dd/yy, hh:mm:ss, name, tranid, trannum, termid, userid, netuowid, X'localuowid'*

DFHRM0216 *date time applid* **Intersystem communication recovery. The remote system sent mixed heuristic outcome. The unit of work is treated as backed out. Original failure date** *mm/dd/yy* **failure time** *hh:mm:ss* **remote system** *name* **transaction** *tranid* **task number** *trannum* **terminal** *termid* **user** *userid* **network UOW** *netuowid* **local UOW** *X'localuowid'***.**

Explanation: Communication with the remote system has been re-established. Resynchronization with the remote system was attempted. It was found that some resource updates in the distributed unit of work committed and some backed out. The local system was in-doubt about the outcome of the distributed unit of work and expected to receive notification of the outcome from the remote system. The notification received does not determine whether to commit or back out the resource updates. The local unit of work is treated as backed out in accordance with the ACTION attribute in the transaction definition.

Since this unit of work was recovered only for remote resynchronization, no local resources were locked pending this decision and local resources are not synchronized with the distributed unit of work.

System Action: The system continues. Further remote resynchronization treats this unit of work as backed out.

User Response: Take user-defined actions to resynchronize resources in local and remote systems if necessary.

Destination: CSMT

Module: DFHRMLN

XMEOUT Parameters: *date, time, applid, mm/dd/yy, hh:mm:ss, name, tranid, trannum, termid, userid, netuowid, X'localuowid'*

DFHRM0218 *date time applid* **Intersystem communication recovery. Resynchronization information from the remote system was not sufficient to determine the outcome of the unit of work. Local resources are not synchronized. The distributed unit of work is committed. Original failure date** *mm/dd/yy* **failure time** *hh:mm:ss* **remote system** *name* **transaction** *tranid* **task number** *trannum* **terminal** *termid* **user** *userid* **network UOW** *uowid* **local UOW** *X'localuowid'***.**

Explanation: Communication with the remote system has been re-established. Resynchronization with the remote system was attempted. The local system was in-doubt about the outcome of the distributed unit of work and expected to receive notification of the outcome from the remote system. Information received from the remote system did not determine whether to commit or back out the unit of work.

The unit of work is committed in accordance with the ACTION attribute in the local transaction definition.

Because this unit of work was recovered only for remote resynchronization, no local resources were locked pending resolution of the unit of work, and local resources are not synchronized with this commit.

Any further remote resynchronization treats this unit of work as committed.

System Action: The system commits the unit of work for the purposes of remote resynchronization.

User Response: Take user-defined actions to resynchronize resources in local and remote systems, if necessary.

Destination: CSMT

Module: DFHRMLN

XMEOUT Parameters: *date, time, applid, mm/dd/yy, hh:mm:ss, name, tranid, trannum, termid, userid, uowid, X'localuowid'*

DFHRM0219 *date time applid* **Intersystem communication recovery. Resynchronization information from the remote system was not sufficient to determine the outcome of the unit of work. The distributed unit of work is backed out. Local resources are not synchronized. Original failure date** *mm/dd/yy* **failure time** *hh:mm:ss* **remote system** *name* **transaction** *tranid* **task number** *trannum* **terminal** *termid* **user** *userid* **network UOW** *netuowid* **local UOW** *X'localuowid'***.**

Explanation: Communication with the remote system has been re-established. Resynchronization with the remote system was attempted. The local system was in-doubt about the outcome of the distributed unit of work and expected to receive notification of the outcome from the remote system. Information received from the remote system did not determine whether to commit or back out the unit of work.

The unit of work is backed out in accordance with the ACTION attribute in the local transaction definition.

Because this unit of work was recovered only for remote resynchronization, no local resources were locked pending resolution of the unit of work, and local resources are not synchronized with this back out.

Any further remote resynchronization treats this unit of work as backed out.

System Action: The system backs out the unit of work for the purposes of remote resynchronization.

User Response: Take user-defined action to resynchronize resources in local and remote systems, if necessary.

Destination: CSMT

Module: DFHRMLN

XMEOUT Parameters: *date, time, applid, mm/dd/yy, hh:mm:ss, name, tranid, trannum, termid, userid, netuowid, X'localuowid'*

DFHRM0220 *date time applid* **Intersystem communication recovery. Resynchronization information from the remote system was not sufficient to determine the outcome of the unit of work. Original failure date** *mm/dd/yy* **failure time** *hh:mm:ss* **remote system** *name* **transaction** *tranid* **task number** *trannum* **terminal** *termid* **user** *userid* **network UOW** *netuowid* **local UOW** *X'localuowid'***.**

Explanation: Communication with the remote system has been re-established. Resynchronization with the remote system was attempted. Information received from the remote system did not determine whether the distributed unit of work committed or backed out.

Since this unit of work was recovered only for remote resynchronization, no locks on local resources were held pending resolution of this unit of work, and the local resources are not synchronized with the distributed unit of work.

System Action: Processing continues.

User Response: Take user-defined action to resynchronize resources in local and remote systems if necessary.

Destination: CSMT

Module: DFHRMLN

XMEOUT Parameters: *date, time, applid, mm/dd/yy, hh:mm:ss, name, tranid, trannum, termid, userid, netuowid, X'localuowid'*

DFHRM0221 *date time applid* **Intersystem communication recovery. A protocol violation was detected during resynchronization with the remote system. The distributed unit of work is treated as committed. Original failure date** *mm/dd/yy* **failure time** *hh:mm:ss* **remote system** *name* **transaction** *tranid* **task number** *trannum* **terminal** *termid* **user** *userid* **network UOW** *netuowid* **local UOW** *X'localuowid'***.**

Explanation: Communication with the remote system has been re-established. Resynchronization with the remote system was attempted. The local system detected a protocol violation during resynchronization. The local system was in-doubt about the outcome of the distributed unit of work and expected to receive notification of the outcome from the remote system. The local system cannot determine whether the distributed unit of work was committed or backed out.

The distributed unit of work is treated as committed in accordance with the ACTION attribute in the local transaction definition.

Since this unit of work was recovered only for remote resynchronization, no local resources were locked pending resolution and no local resources are synchronized with this decision.

Any further remote resynchronization treats this unit of work as committed.

System Action: The system continues.

User Response: Take user-defined actions to resynchronize resources in local and remote systems if necessary.

Destination: CSMT

Module: DFHRMLN

XMEOUT Parameters: *date, time, applid, mm/dd/yy, hh:mm:ss, name, tranid, trannum, termid, userid, netuowid, X'localuowid'*

DFHRM0222 *date time applid* **Intersystem communication recovery. A protocol violation was detected during resynchronization with the remote system. The distributed unit of work is treated as backed out. Local resources are not synchronized. Original failure date** *mm/dd/yy* **failure time** *hh:mm:ss* **remote system** *name* **transaction** *tranid* **task number** *trannum* **terminal** *termid* **user** *userid* **network UOW** *netuowid* **local UOW** *X'localuowid'***.**

Explanation: Communication with the remote system has been re-established. Resynchronization with the remote system was attempted. The local system detected a protocol violation during resynchronization. The local system was in-doubt about the outcome of the distributed unit of work and expected to receive notification of the outcome from the remote system. The local system cannot determine whether the distributed unit of work committed or backed out.

The distributed unit of work is treated as backed out in accordance with the ACTION attribute in the transaction definition.

System Action: The system continues. Any further remote resynchronization treats this unit of work as backed out.

User Response: Take user-defined action to resynchronize the resources in the local and remote systems if necessary.

Destination: CSMT

Module: DFHRMLN

XMEOUT Parameters: *date, time, applid, mm/dd/yy, hh:mm:ss, name, tranid, trannum, termid, userid, netuowid, X'localuowid'*

DFHRM0223 *date time applid* **Intersystem communication recovery. A protocol violation was detected during resynchronization with the remote system. Original failure date** *mm/dd/yy* **failure time** *hh:mm:ss* **remote system** *name* **transaction** *tranid* **task number** *trannum* **terminal** *termid* **user** *userid* **network UOW** *netuowid* **local UOW** *X'localuowid'***.**

Explanation: Communication with the remote system has been re-established. Resynchronization with the remote system was attempted. The local system detected a protocol violation during resynchronization.

Since this unit of work was recovered only for remote resynchronization, local resources are not synchronized and in this case the outcome of the distributed unit of work cannot be determined.

System Action: Processing continues.

User Response: Take user-defined actions to resynchronize resources in local and remote systems if necessary.

Destination: CSMT

Module: DFHRMLN

XMEOUT Parameters: *date, time, applid, mm/dd/yy, hh:mm:ss, name, tranid, trannum, termid, userid, netuowid, X'localuowid'*

DFHRM0225 *date time applid* **Clear pending issued. The connection to the remote system has been set NOTPENDING. The distributed unit of work is treated as committed. Local resources are not synchronized. Original failure date** *mm/dd/yy* **failure time** *hh:mm:ss* **remote system** *name* **transaction** *tranid* **task number** *trannum* **terminal** *termid* **user** *userid* **network UOW** *netuowid* **local UOW** *X'localuowid'***.**

Explanation: The connection with the remote system has been set NOTPENDING or NORECOVDATA, or the connection is defined with XLNACTION(FORCE). The local system was in-doubt about the outcome of the distributed unit of work and expected to receive notification of the outcome from the remote system. Setting the connection with the remote system NOTPENDING or NORECOVDATA preempts the notification of the outcome from the remote system.

Since this unit of work was recovered only for remote resynchronization, no local resources were locked pending resolution, and local resources are not synchronized with this decision.

The distributed unit of work is treated as committed in accordance with the ACTION attribute in the local transaction definition.

System Action: The system continues. Further remote resynchronization treats the unit of work as committed.

User Response: Take user-defined actions to resynchronize resources in local and remote systems if necessary.

Destination: CSMT

Module: DFHRMLK4

XMEOUT Parameters: *date, time, applid, mm/dd/yy, hh:mm:ss, name, tranid, trannum, termid, userid, netuowid, X'localuowid'*

DFHRM0226 *date time applid* **Clear pending issued. The connection to the remote system has been set NOTPENDING. The distributed unit of work is treated as backed out. Local resources are not synchronized. Original failure date** *mm/dd/yy* **failure time** *hh:mm:ss* **remote system** *name* **transaction** *tranid* **task number** *trannum* **terminal** *termid* **user** *userid* **network UOW** *netuowid* **local UOW** *X'localuowid'***.**

Explanation: The connection with the remote system has been set NOTPENDING or NORECOVDATA, or the connection is defined with XLNACTION(FORCE). The local system was in-doubt about the outcome of the distributed unit of work and expected to receive notification of the outcome from the remote system. Setting the connection with the remote system NOTPENDING or NORECOVDATA preempts the notification of the outcome from the remote system.

Since this unit of work was recovered only for remote resynchronization, no local resources were locked pending resolution, and local resources are not synchronized with this decision.

The distributed unit of work is treated as backed out in accordance with the ACTION attribute in the local transaction definition.

System Action: The system continues. Further remote resynchronization treats this unit of work as backed out.

User Response: Take user-defined actions to resynchronize resources in local and remote systems if necessary.

Destination: CSMT

Module: DFHRMLK4

XMEOUT Parameters: *date, time, applid, mm/dd/yy, hh:mm:ss, name, tranid, trannum, termid, userid, netuowid, X'localuowid'*

DFHRM0227 *date time applid* **Clear pending issued. The connection to the remote system has been set NOTPENDING. Original failure date** *mm/dd/yy* **failure time** *hh:mm:ss* **remote system** *name* **transaction** *tranid* **task number** *trannum* **terminal** *termid* **user** *userid* **network UOW** *netuowid* **local UOW** *X'localuowid'***.**

Explanation: The connection with the remote system has been set NOTPENDING. The unit of work is recorded as committed or backed out, but since this unit of work was recovered only for remote resynchronization, local resources might not be synchronized with this decision.

The local system did not receive acknowledgment that the remote system had received notification of the outcome of the unit of work.

No further resynchronization with this remote system is attempted and the distributed unit of work in the local and remote systems may not be synchronized.

System Action: Processing continues.

User Response: Take user-defined action to resynchronize resources in local and remote systems if necessary.

Destination: CSMT

Module: DFHRMLK4

XMEOUT Parameters: *date, time, applid, mm/dd/yy, hh:mm:ss, name, tranid, trannum, termid, userid, netuowid, X'localuowid'*

DFHRM0228 *applid indoubt_uows* **indoubt UOWs have been recovered for the purpose of remote resynchronization. Local resources are not synchronized with these UOWs.**

Explanation: This message displays the number of indoubt units of work (UOWs), *indoubt_uows*, which have been recovered for resynchronization with remote systems. This message is only issued on cold starts. Local resources may not be kept synchronized with remote resources because CICS is cold starting.

It is issued only if there is at least one UOW which is indoubt. It is issued before any of the reconstructed UOWs are unshunted and processed in parallel.

System Action: The system has performed the backwards scan of the system log and is about to start unshunting UOWs where resynchronization is possible.

Where communications with the remote system or systems is not immediately possible, UOWs are preserved until resynchronization is possible or until WAITTIME (defined on the transaction definition) expires.

This message is followed by message DFHRM0208 if the UOW has been committed, or by DFHRM0209 if the UOW has been backed out on the remote system or systems.

User Response: None.

Destination: Console

Module: DFHRMU1E.

XMEOUT Parameters: *applid, indoubt_uows*

DFHRM0229 *date time applid bfail_uows* **backout-failed and** *cfail_uows* **commit-failed UOWs have been recovered for the purpose of remote resynchronization. Local resources are not synchro nized with these UOWs.**

Explanation: This message displays the number of backout-failed units of work (UOWs), *bfail_uows*, and the number of commit-failed UOWs, *cfail_uows*, which have been recovered for resynchronization with remote systems. These UOWs may now be in backout-waiting or commit-waiting states after cold start recovery processing. This message is only issued on cold starts. Local resources may not be kept synchronized with remote resources because CICS is cold starting.

This message is issued only if there is at least one such UOW. It is issued before any of the reconstructed UOWs are processed.

System Action: The system has performed the backwards scan of the system log and is about to start resynchronization for UOWs that require this.

Where communications with the remote system or systems is not immediately possible, UOWs are preserved until resynchronization is possible or until WAITTIME (defined on the transaction definition) expires.

This message is followed by message DFHRM0208 if the UOW has been committed, or by DFHRM0209 if the UOW has been backed out on the remote system or systems.

User Response: None.

Destination: CSMT

Module: DFHRMU1E

XMEOUT Parameters: *date, time, applid, bfail_uows, cfail_uows*

DFHRM0230 *date time applid inflight_uows* **inflight UOWs have been recovered for the purpose of remote resynchronization. Local resources are not synchronized with these UOWs.**

Explanation: This message displays the number of inflight units of work (UOWs), *inflight_uows*, which have been recovered for resynchronization with remote systems. This message is issued only on cold starts. Local resources may not be kept synchronized with remote resources because CICS is cold starting.

It is issued only if there is at least one UOW which is inflight. It is issued before any of the reconstructed UOWs are unshunted and processed in parallel.

System Action: The system has performed the backwards scan of the system log and is about to start unshunting UOWs where resynchronization is possible.

Where communications with the remote system or systems is not immediately possible, UOWs are preserved until resynchronization is possible or until WAITTIME (defined on the transaction definition) expires.

This message is followed by message DFHRM0208 if the UOW has been committed, or by DFHRM0209 if the UOW has been backed out on the remote system or systems.

User Response: None.

Destination: CSMT

Module: DFHRMU1E.

XMEOUT Parameters: *date, time, applid, inflight_uows*

DFHRM0235 *date time applid* **Intersystem communication recovery. Local resources are not synchronized. Original failure date** *mm/dd/yy* **failure time** *hh:mm:ss* **remote system** *name* **transaction** *tranid* **task number** *trannum* **terminal** *termid* **user** *userid* **network UOW** *netuowid* **local UOW** *X'localuowid'***.**

Explanation: Communication with the remote system that is a subordinate of this unit of work failed and has been re-established. Resynchronization with the remote system has occurred. Either the remote system has already taken a decision for its local resource updates in the distributed unit of work, or the remote system was waiting for the decision from this system. In either case, since this unit of work was recovered only for remote resynchronization, the local resources are not synchronized.

System Action: Processing continues.

User Response: Take action to resynchronize resources in the local and remote systems, if necessary.

Destination: CSMT

Module: DFHRMLN

XMEOUT Parameters: *date, time, applid, mm/dd/yy, hh:mm:ss, name, tranid, trannum, termid, userid, netuowid, X'localuowid'*

DFHRM0300 KEYWORD '*keyword***' IS INVALID OR MISUSED.**

Explanation: The SYSIN data set for DFHRMUTL contains an unrecognized keyword or a keyword which is used incorrectly.

System Action: The DFHRMUTL job terminates.

User Response: Correct the invalid keyword and retry.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHRMUTL

DFHRM0301 *applid* **Force purge of transaction ID** *tranid* **task number** *taskno* **has been deferred because unit of work** *X'uowid'* **is in post commit syncpoint processing.**

Explanation: CICS has received a request to force purge task *taskno*. The unit of work, *uowid*, associated with the target of the force purge request is in a critical phase of syncpoint processing. The target task cannot be purged while it is in this state.

System Action: CICS attempts to defer the purge until the target task is no longer protected against purge.

If the syncpoint occurs at the end of the task, the task is permanently protected against purge.

User Response: Normally the task should remain in this critical phase of syncpoint for only a short time. If the target task still has not ended, investigate why unit of work *uowid* has still to complete syncpoint processing.

See the *CICS Problem Determination Guide* for guidance about diagnosing task waits.

Note: Because of the circumstances under which this message is issued, it can only be issued to the console. It should not be rerouted to a transient data queue.

Destination: Console

Module: DFHRMU1N

XMEOUT Parameters: *applid, tranid, taskno, X'uowid'*

DFHRM0302 ERROR *{OPENING | READING | WRITING | CLOSING}* **THE** *{DFHGCD | NEWGCD}* **DATA SET RETURN CODE:** *X'vsam_retcode'*, **REASON:** *X'vsam_reason'*.

Explanation: An error occurred when processing a VSAM data set. The VSAM return and reason codes are X'*vsam_retcode*' and X'*vsam_reason*'.

System Action: The DFHRMUTL job terminates.

User Response: See the *DFSMS/MVS Version 1 Release 5 Macro Instructions for Data Sets* manual for the meaning of the return and reason codes. Check the syslog for associated data services messages.

If the error is in opening the NEWGCD data set, ensure that the VSAM cluster:

- Has the REUSE attribute
- Has a DD card in the JCL
- Does not name the same data set as the DFHGCD DD card
- Is not currently open to another job.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHRMUTL

DFHRM0303 ERROR *{OPENING | READING | WRITING}* **THE** *{SYSIN | SYSPRINT}* **DATA SET.**

Explanation: An error occurred when processing a QSAM data set.

System Action: The DFHRMUTL job terminates.

User Response: Ensure that the data set DD card is properly defined. Look for associated syslog messages to identify the source of the problem.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHRMUTL

DFHRM0304 INVALID OR MISSING SET_AUTO_START PARAMETER.

Explanation: The SET_AUTO_START parameter in the SYSIN data set for DFHRMUTL is missing or incorrectly specified.

System Action: The DFHRMUTL job terminates.

User Response: Ensure that the parameter is in the *first* line of SYSIN, and the keywords are separated by commas without intervening blanks.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHRMUTL

DFHRM0305 SYSIN DATA SET CAN HAVE AT MOST ONE RECORD.

Explanation: The SYSIN data set should contain either no records or else a single record specifying the parameters for DFHRMUTL.

System Action: The DFHRMUTL job terminates.

User Response: Correct the records in the SYSIN data set and retry.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHRMUTL

DFHRM0306 CANNOT COPY A GCD WITH NO CONTROL INFORMATION.

Explanation: The COLD_COPY keyword has been specified for a global catalog data set which has no recovery manager control information in it. It is not possible to create a reduced new catalog from an empty catalog.

System Action: The DFHRMUTL job terminates.

User Response: You should use COLD_COPY only to copy a catalog that has been used by CICS. To initialize a catalog for an initial start, use DFHRMUTL with the SET_AUTO_START=AUTOINIT parameter without attempting to copy it with COLD_COPY.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHRMUTL

DFHRM0307 KEYWORD '*keyword***' IS REPEATED IN THE SYSIN DATA SET.**

Explanation: Keyword *keyword* has been repeated in the first line of the SYSIN data set for DFHRMUTL.

System Action: The DFHRMUTL job terminates.

User Response: Remove the duplicate keyword and retry.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHRMUTL

DFHRM0308 SET_AUTO_START=AUTOASIS INVALID. GCD IS A COLD_COPY AND HAS NOT BEEN USED BY CICS.

Explanation: The keyword SET_AUTO_START specified AUTOASIS, but the global catalog supplied in data set DFHGCD has been copied with the DFHRMUTL COLD_COPY function and has not yet been used by CICS. This change is not allowed because the catalog no longer has the necessary records to allow an emergency or warm start.

System Action: The DFHRMUTL job terminates.

User Response: If you need to perform an emergency or warm start, use a restored copy of the global catalog taken before the run of DFHRMUTL which performed the COLD_COPY. If you do not need an emergency or warm start, change the parameter to AUTOINIT or AUTOCOLD and retry.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHRMUTL

DFHRM0309 GCD HAS NOT BEEN USED BY CICS. YOU MUST SPECIFY SET_AUTO_S TART=AUTOINIT

Explanation: The keyword SET_AUTO_START specified AUTOCOLD or AUTOINIT, but the global catalog supplied in data set DFHGCD has never been used by CICS.

System Action: The DFHRMUTL job terminates.

User Response: Change the SET_AUTO_START parameter to AUTOINIT and retry.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHRMUTL

DFHRM0311 COLD_COPY KEYWORD INVALID WITH SET_AUTO_START=AUTOASIS.

Explanation: The input parameters specified keyword COLD_COPY, but also contained SET_AUTO_START=AUTOASIS. This combination is not supported because CICS can only perform a COLD or INITIAL start using a catalog data set that has been cold-copied, because all definitional records have been removed.

System Action: The DFHRMUTL job terminates.

User Response: Either specify AUTOCOLD or AUTOINIT as the SET_AUTO_START value, or remove the COLD_COPY keyword and retry.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHRMUTL

DFHRM0312 AUTODIAG WITH COLD_COPY NOT ALLOWED.

Explanation: In the parameters for the DFHRMUTL job the option COLD_COPY was specified with SET_AUTO_START=AUTODIAG. This is not allowed.

System Action: The DFHRMUTL job terminates.

User Response: Resubmit the job with the correct parameters.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHRMUTL

DFHRM0313 AUTODIAG CANNOT BE USED.

Explanation: The keyword SET_AUTO_START specified AUTODIAG, but the global catalog supplied in data set DFHGCD has been copied with the DFHRMUTL COLD_COPY function and has not yet been used by CICS. This change is not allowed because the catalog no longer has the necessary records to allow a diagnostic run.

System Action: The DFHRMUTL job terminates.

User Response: If you need to perform a diagnostic run, use a restored copy of the global catalog taken before the run of DFHRMUTL which performed the COLD_COPY. If you do not need a diagnostic run then change the parameter to AUTOINIT or AUTOCOLD and retry.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHRMUTL

DFHRM0400 *applid* **A unit of work was incompletely reconstructed from the system log.**

Explanation: A unit of work has been only partially reconstructed from the log records on the system log.

The first log record that the unit of work wrote to the system log was not browsed during CICS restart although processing of the unit of work has not completed its syncpoint processing.

The probable cause is that the primary system log stream has been truncated incorrectly or that the secondary system log stream has been truncated or deleted incorrectly. Alternatively, the data on either log stream may have been corrupted so that the chain representing the unit of work was not completely processed during CICS restart.

These effects may be due to the log stream being modified between CICS runs, problems in the MVS logger, or problems in CICS itself. The most likely cause is that the logstream was deleted or modified between CICS runs. If it was deleted, the CICS logger will have issued a message during the CICS restart reporting that it was creating the logstream.

System Action: CICS makes an exception trace entry including the unit of work in which the problem was detected, issues this message, takes a dump, and then terminates abnormally.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Ensure that the primary and secondary system logstreams are valid. If a problem can be rectified, auto-start CICS again.

If the problem cannot be rectified, you should perform an initial start of CICS.

If you are certain that the system log streams have not been deleted or modified between CICS runs, there may be an error in the MVS logger or in CICS. In this case, you will need assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed. It would be helpful to keep the failing logstream or a report of its contents.

Destination: Console

Module: DFHRMU1E.

XMEOUT Parameter: *applid*

DFHRM0401 *applid* **There is no system log or an empty system log has been detected.**

Explanation: An empty system log has been detected on a CICS restart which requires the log for recovery processing. This is unexpected because there should always be one or more log records on the system log when CICS has started previously. Alternatively, there is no CICS system log because DUMMY has been specified in the definition of the log stream, and a start that requires a valid system log has been requested.

The probable cause is that the primary system log stream has been destroyed or cleared incorrectly. The data on the primary log stream may have been corrupted so that the CICS logger could not find any valid records on it. Alternatively, the system log has been defined as a DUMMY log inappropriately.

These effects may be due to the log stream being modified between CICS runs, problems in the MVS logger, or problems in CICS itself. The most likely cause is that the logstream was deleted or emptied between CICS runs. If it was deleted, the CICS logger will have issued a message during the CICS restart reporting that it was creating the logstream.

System Action: CICS makes an exception trace entry including the unit of work in which the problem was detected, issues this message, takes a dump, and then terminates abnormally.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Ensure that the primary system logstream is valid, and that it is not defined as DUMMY. If the problem can be rectified, start CICS again in the same way.

If the problem cannot be rectified, perform an initial start of CICS.

If you are certain that the system log streams have not been deleted or modified between CICS runs, there may be an error in the MVS logger or in CICS. In this case, you will need assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed. It would be helpful to keep the failing logstream or a report of its contents.

Destination: Console

Module: DFHRMSL5

XMEOUT Parameter: *applid*

DFHRPxxxx (CICS ONC RPC) messages

DFHRP0001 *applid* **An abend (code** *aaa/bbbb***) has occurred at offset** *X'offset'* **in module** *modname***.**

Explanation: An abnormal end (abend) or program check has occurred in module *modname*. This implies that there may be an error in the CICS code. Alternatively, unexpected data has been input, or storage has been overwritten.

The code *aaa/bbbb* is a 3-digit hexadecimal MVS code (if applicable), followed by a 4-digit alphanumeric CICS code. The MVS code is a system completion code (for example, 0C1 or D37). If an MVS code is not applicable, this field is filled with three hyphens. The CICS code is an abend code or a number referring to a CICS message (for example, AKEA is a CICS abend code; 1310 refers to message DFHTS1310).

System Action: An exception entry is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS continues unless you have specified in the dump table that CICS should terminate. If appropriate, an error return code is sent to the caller of this domain. In this case CICS could be terminated by the caller (for example, the domain manager, DFHDMDM). A message is issued to this effect.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Notify the system programmer. If CICS is still running, it is necessary to decide whether to terminate CICS.

Look up the MVS code, if there is one, in the relevant MVS codes manual.

Next, look up the CICS alphanumeric code. This tells you, for example, whether the error was a program check, an abend, or a runaway, and may give you some guidance concerning user response.

If module *modname* is not crucial to the running of your CICS system, you may decide to continue to run and bring CICS down at a convenient time to resolve the problem.
If you cannot run without the full use of module *modname* you should bring CICS down in a controlled shutdown.

You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Module: DFHRPRP

XMEOUT Parameters: *applid, aaa/bbbb, X'offset', modname*

DFHRP0002 *applid* **A severe error (code** *X'code'***) has occurred in module** *modname***.**

Explanation: An error has been detected in module *modname*. The code X'*code*' is the exception trace point ID, which gives an indication of the cause of the error:

- 9F49—error in the C environment
- 9F4A—no storage for the RPC caller
- 9F4C—error from **socket** call to TCP/IP for MVS
- 9F4D—error from **gethostid** call to TCP/IP for MVS
- 9F4F—error from **select** call to TCP/IP for MVS
- 9F55—error from **svc_register** call to TCP/IP for MVS
- 9F58—error from **svcudp_create** call to TCP/IP for MVS
- 9F59—error from **svctcp_create** call to TCP/IP for MVS
- 9F5B—error from **svc_sendreply** call to TCP/IP for MVS

- 9F5C—invalid **aup_gids** from client
- 9F5D—machine name from client too long
- 9F5E—error from **svc_getargs** call to TCP/IP for MVS
- 9F5F—error from **svc_freeargs** call to TCP/IP for MVS
- 9F60—error from **getsockopt** call to TCP/IP for MVS
- 9F63—error from **maxdesc** call to TCP/IP for MVS (unknown error)
- 9F64—error from **maxdesc** call to TCP/IP for MVS (not enough sockets)
- 9F65—error from **maxdesc** call to TCP/IP for MVS (EFAULT)
- 9F66—error from **maxdesc** call to TCP/IP for MVS (EALREADY)
- 9F67—error from **maxdesc** call to TCP/IP for MVS (EINVAL)
- 9F68—error from **maxdesc** call to TCP/IP for MVS (EMFILE)
- 9F69—error from **maxdesc** call to TCP/IP for MVS (ENOMEM)
- 9F6A—error from **maxdesc** call to TCP/IP for MVS (EIBMIUCVERR)
- 9F6B—error from **svcerr_auth** call to TCP/IP for MVS
- 9F6C—error from **svcerr_decode** call to TCP/IP for MVS
- 9F6D—error from **svcerr_noproc** call to TCP/IP for MVS
- 9F6E—error from **svcerr_systemerr** call to TCP/IP for MVS
- 9F6F—error from **dfhsvc_getreqset**.

System Action: An exception entry (code X'*code*' in the message) is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table. If a client request is being processed, and the code is 9F4A, no reply is sent to the client.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response:

There are some specific user actions that can be taken for certain values of *code*:

- 9F4A—Retry the current action if possible. If the shortage of storage persists, reduce the number of tasks that can run concurrently, or increase the DSA limits.
- 9F49—Check that the C run-time environment is derived from the same product, version, and release as was used for link-editing at installation time.
- 9F5C—Check the TCP/IP for MVS configuration and release level.
- 9F5D—Check the TCP/IP for MVS configuration and release level.
- 9F6A—Check that TCP/IP for MVS has been started.

For other TCP/IP for MVS problems, look at the TCP/IP for MVS diagnostics.

You may need further assistance from IBM to resolve this problem. See the *CICS External Interfaces Guide* and Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Module: DFHRPRP

XMEOUT Parameters: *applid, X'code', modname*

DFHRP0102 *date time applid tranid* **A CICS ONC RPC alias has received an incorrect response on a call made to CICS during alias initialization.**

Explanation: The alias has received a response that indicates a logic error in the alias while calling CICS to establish its initialization information.

System Action: The client request is abandoned, and no reply is sent to the client. A system dump is taken. The alias abends with abend code ARPK. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: See the associated CICS messages for problem diagnosis.

Destination: CRPO

Module: DFHRPAS

XMEOUT Parameters: *date, time, applid, tranid*

DFHRP0103 *date time applid tranid* **A CICS ONC RPC alias has been started incorrectly.**

Explanation: The alias has been invoked by a means other than the server controller, possibly by a user at a terminal.

System Action: There was no client request to process. The alias abends with abend code ARPF.

User Response: Check that the alias was not started by a terminal user.

Destination: CRPO

Module: DFHRPAS

XMEOUT Parameters: *date, time, applid, tranid*

DFHRP0104 *date time applid tranid* **A CICS ONC RPC alias has received an incorrect response on a call made to CICS during alias initialization.**

Explanation: The alias has received a response while calling CICS to establish its initialization information that indicates that the alias may not have been started by server controller.

System Action: There is no client request to process. The alias abends with abend code ARPF.

User Response: Check that the alias has not been started by a means other than the server controller.

Destination: CRPO

Module: DFHRPAS

XMEOUT Parameters: *date, time, applid, tranid*

DFHRP0105 *date time applid tranid* **A CICS ONC RPC alias has received an incorrect response on a call made to CICS during alias initialization.**

Explanation: The alias has received a response that indicates that CICS has experienced a temporary error while trying to pass the alias its initialization information from temporary storage.

System Action: The client request is abandoned, and no reply is sent to the client. The alias abends with abend code ARPJ.

User Response: See the associated CICS messages for problem diagnosis.

Destination: CRPO

Module: DFHRPAS

XMEOUT Parameters: *date, time, applid, tranid*

DFHRP0106 *date time applid tranid* **A CICS ONC RPC alias has received an incorrect response on a call made to CICS during alias initialization.**

Explanation: The alias cannot find its initialization information in CICS temporary storage. This is probably due to the retrieval of data from temporary storage by another application.

System Action: The client request is abandoned, and no reply is sent to the client. The alias abends with abend code ARPF.

User Response: Check that no other application is using the same temporary storage queue as the alias.

Destination: CRPO

Module: DFHRPAS

XMEOUT Parameters: *date, time, applid, tranid*

DFHRP0107 *date time applid tranid* **A CICS ONC RPC alias has received an incorrect response on a call made to CICS during alias initialization.**

Explanation: The alias has received a response that indicates a logic error in the alias while calling CICS to establish its initialization information.

System Action: The client request is abandoned, and no reply is sent to the client. A system dump is taken. The alias abends with abend code ARPI. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: See the associated CICS messages for problem diagnosis.

Destination: CRPO

Module: DFHRPAS

XMEOUT Parameters: *date, time, applid, tranid*

DFHRP0108 *date time applid tranid* **A CICS ONC RPC alias has been started incorrectly.**

Explanation: The alias has detected an error while validating its initialization information. This probably means that the alias has been started by a means other than the server controller.

System Action: There was no client request to process. The alias abends with abend code ARPF.

User Response: Check that the alias was not started by a transient data trigger level or by a CECI user.

Destination: CRPO

Module: DFHRPAS

XMEOUT Parameters: *date, time, applid, tranid*

DFHRP0113 *date time applid tranid* **A CICS ONC RPC alias is unable to continue processing because the corresponding alias list entry has been deleted. Client IP address:** *clientaddr* **Host IP address:** *hostaddr* **Program:** *X'prognum'* **Version:** *X'versnum'* **Procedure:** *X'procnum'* **Protocol:** *protocol* **Port:** *X'port'* **Socket:** *X'socket'***.**

Explanation: The alias has attempted to update its alias list entry to indicate that it has successfully started. The alias list component has returned a NOT FOUND response.

System Action: An **svcerr_systemerr** call is used to send a reply to the client. The alias abends with abend code ARPF.

User Response: This situation is almost certainly due to an alias starting after immediate disable of CICS ONC RPC or after its alias list entry has been explicitly deleted by the connection manager.

Destination: CRPO

Module: DFHRPAS

XMEOUT Parameters: *date, time, applid, tranid, clientaddr, hostaddr, X'prognum', X'versnum', X'procnum', protocol, X'port', X'socket'*

DFHRP0114 *date time applid tranid* **A CICS ONC RPC alias is unable to continue processing because it is unable to update the corresponding alias list entry. Client IP address:** *clientaddr* **Host IP address:** *hostaddr* **Program:** *X'prognum'* **Version:** *X'versnum'* **Procedure:** *X'procnum'* **Protocol:** *protocol* **Port:** *X'port'* **Socket:** *X'socket'***.**

Explanation: The alias has attempted to update its alias list entry to indicate that it has successfully started. The alias list component has returned an error response other than NOT FOUND. This is due to an error in another component of CICS.

System Action: An **svcerr_systemerr** call is used to send a reply to the client. The alias abends with abend code ARPJ.

User Response: Proceed as indicated in the messages issued by the CICS component in error.

Destination: CRPO

Module: DFHRPAS

XMEOUT Parameters: *date, time, applid, tranid, clientaddr, hostaddr, X'prognum', X'versnum', X'procnum', protocol, X'port', X'socket'*

DFHRP0118 *date time applid tranid* **A CICS ONC RPC alias is unable to continue processing this client request. Client IP address:** *clientaddr* **Host IP address:** *hostaddr* **Program:** *X'prognum'* **Version:** *X'versnum'* **Procedure:** *X'procnum'* **Protocol:** *protocol* **Port:** *port* **Socket:** *socket***.**

Explanation: The alias has detected that CICS ONC RPC may have been disabled since this client request was scheduled by the server controller. This is indicated by an incorrect reference to the GWA used by CICS ONC RPC.

System Action: The client request is abandoned, and no reply is sent to the client. The alias abends with abend code ARPH.

User Response: Check that CICS ONC RPC has not been disabled since this client request was first scheduled. This problem may arise when long-running CICS programs are being used. It may also occur if CICS ONC RPC is disabled and immediately re-enabled.

Destination: CRPO

Module: DFHRPAS

XMEOUT Parameters: *date, time, applid, tranid, clientaddr, hostaddr, X'prognum', X'versnum', X'procnum', protocol, port, socket*

DFHRP0119 *date time applid tranid* **A CICS ONC RPC alias is unable to continue processing because it cannot authenticate this client request. Client IP address:** *clientaddr* **Host IP address:** *hostaddr* **Program:** *X'prognum'* **Version:** *X'versnum'* **Procedure:** *X'procnum'* **Protocol:** *protocol* **Port:** *port* **Socket:** *socket***.**

Explanation: The alias has detected an error with the response returned from the external security manager while attempting to authenticate this client request.

System Action: An **svcerr_systemerr** call is used to send a reply to the client. The alias abends with abend code ARPJ.

User Response: Check that the external security manager is still available.

Destination: CRPO

Module: DFHRPAS

XMEOUT Parameters: *date, time, applid, tranid, clientaddr, hostaddr, X'prognum', X'versnum', X'procnum', protocol, port, socket*

DFHRP0120 *date time applid tranid* **A CICS ONC RPC alias is unable to continue processing because this client request is not authenticated. Client IP address:** *clientaddr* **Host IP address:** *hostaddr* **Program:** *X'prognum'* **Version:** *X'versnum'* **Procedure:** *X'procnum'* **Protocol:** *protocol* **Port:** *port* **Socket:** *socket***.**

Explanation: The alias has received a response while authenticating the userid and password associated with this client request which indicates that this client request is not authenticated to CICS.

System Action: An **svcerr_auth** call with a why-value of AUTH_TOOWEAK is used to send a reply to the client. The alias abends with abend code ARPL.

User Response: Check the userid/password combination associated with this client request. See the associated CICS messages relating to the security error for help with problem diagnosis.

Destination: CRPO

Module: DFHRPAS

XMEOUT Parameters: *date, time, applid, tranid, clientaddr, hostaddr, X'prognum', X'versnum', X'procnum', protocol, port, socket*

DFHRP0121 *date time applid tranid* **A CICS ONC RPC alias is unable to continue processing because it cannot authenticate this client request. Client IP address:** *clientaddr* **Host IP address:** *hostaddr* **Program:** *X'prognum'* **Version:** *X'versnum'* **Procedure:** *X'procnum'* **Protocol:** *protocol* **Port:** *port* **Socket:** *socket***.**

Explanation: The alias has received a response while authenticating the userid and password associated with this client request which indicates that the external security manager does not recognize the userid.

System Action: An **svcerr_auth** call with a why-value of AUTH_TOOWEAK is used to send a reply to the client. The alias abends with abend code ARPG.

User Response: Check the userid associated with this client request. See the associated CICS messages relating to the security error for help with problem diagnosis.

Destination: CRPO

Module: DFHRPAS

XMEOUT Parameters: *date, time, applid, tranid, clientaddr, hostaddr, X'prognum', X'versnum', X'procnum', protocol, port, socket*

DFHRP0122 *date time applid tranid* **A CICS ONC RPC alias is unable to continue processing this client request. Client IP address:** *clientaddr* **Host IP address:** *hostaddr* **Program:** *X'prognum'* **Version:** *X'versnum'* **Procedure:** *X'procnum'* **Protocol:** *protocol* **Port:** *port* **Socket:** *socket***.**

Explanation: The alias has encountered an internal error while authenticating the userid and password associated with this client request.

System Action: An **svcerr_systemerr** call is used to send a reply to the client. A system dump is taken. The alias abends with abend code ARPK. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: You need further assistance from IBM to resolve this problem. See the *CICS External Interfaces Guide* and Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed. Report the details of the symptom string given in message DFHME0116.

Destination: CRPO

Module: DFHRPAS

XMEOUT Parameters: *date, time, applid, tranid, clientaddr, hostaddr, X'prognum', X'versnum', X'procnum', protocol, port, socket*

DFHRP0123 *date time applid tranid* **A CICS ONC RPC alias is unable to continue processing this client request. Client IP address:** *clientaddr* **Host IP address:** *hostaddr* **Program:** *X'prognum'* **Version:** *X'versnum'* **Procedure:** *X'procnum'* **Protocol:** *protocol* **Port:** *port* **Socket:** *socket***.**

Explanation: The alias has detected a temporary error in the remote CICS region while communicating with the resource checker.

System Action: An **svcerr_systemerr** call is used to send a reply to the client. The alias abends with abend code ARPJ.

User Response: Investigate the error in the remote CICS region.

Destination: CRPO

Module: DFHRPAS

XMEOUT Parameters: *date, time, applid, tranid, clientaddr, hostaddr, X'prognum', X'versnum', X'procnum', protocol, port, socket*

DFHRP0124 *date time applid tranid* **A CICS ONC RPC alias is unable to continue processing this client request. Client IP address:** *clientaddr* **Host IP address:** *hostaddr* **Program:** *X'prognum'* **Version:** *X'versnum'* **Procedure:** *X'procnum'* **Protocol:** *protocol* **Port:** *port* **Socket:** *socket***.**

Explanation: The alias has encountered an internal error while trying to link to the resource checker.

System Action: An **svcerr_systemerr** call is used to send a reply to the client. A system dump is taken. The alias abends with abend code ARPI. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: You need further assistance from IBM to resolve this problem. See the *CICS External Interfaces Guide* and Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed. Report the details of the symptom string given in message DFHME0116.

Destination: CRPO

Module: DFHRPAS

XMEOUT Parameters: *date, time, applid, tranid, clientaddr, hostaddr, X'prognum', X'versnum', X'procnum', protocol, port, socket*

DFHRP0125 *date time applid tranid* **A CICS ONC RPC alias is unable to continue processing as it cannot link to the resource checker** *program***. Client IP address:** *clientaddr* **Host IP address:** *hostaddr* **Program:** *X'prognum'* **Version:** *X'versnum'* **Procedure:** *X'procnum'* **Protocol:** *protocol* **Port:** *port* **Socket:** *socket***.**

Explanation: The alias has received a response while trying to link to the resource checker which indicates that it is not defined to CICS.

System Action: An **svcerr_systemerr** call is used to send a reply to the client. The alias abends with abend code ARPG.

User Response: Check that the resource checker is defined to CICS.

Destination: CRPO

Module: DFHRPAS

XMEOUT Parameters: *date, time, applid, tranid, program, clientaddr, hostaddr, X'prognum', X'versnum', X'procnum', protocol, port, socket*

DFHRP0126 *date time applid tranid* **A CICS ONC RPC alias is unable to continue processing as it cannot link to the resource checker** *program***. Client IP address:** *clientaddr* **Host IP address:** *hostaddr* **Program:** *X'prognum'* **Version:** *X'versnum'* **Procedure:** *X'procnum'* **Protocol:** *protocol* **Port:** *port* **Socket:** *socket***.**

Explanation: The alias has received a response while trying to link to the resource checker that indicates that the remote system on which the program resides is not defined or available to CICS.

System Action: An **svcerr_systemerr** call is used to send a reply to the client. The alias abends with abend code ARPG.

User Response: Ensure that the remote CICS region in which the resource checker resides is defined to CICS. If it is, check that the connection is available for use by CICS.

Destination: CRPO

Module: DFHRPAS

XMEOUT Parameters: *date, time, applid, tranid, program, clientaddr, hostaddr, X'prognum', X'versnum', X'procnum', protocol, port, socket*

DFHRP0127 *date time applid tranid* **A CICS ONC RPC alias is unable to continue processing this client request. Client IP address:** *clientaddr* **Host IP address:** *hostaddr* **Program:** *X'prognum'* **Version:** *X'versnum'* **Procedure:** *X'procnum'* **Protocol:** *protocol* **Port:** *port* **Socket:** *socket***.**

Explanation: The alias has detected a rollback in the resource checker in a remote CICS region.

System Action: An **svcerr_systemerr** call is used to send a reply to the client. The alias abends with abend code ARPJ.

User Response: Investigate the problem in the remote CICS region You should consider changing the resource checker so that it does not update any CICS recoverable resources because this is not its primary design intent. Retry the client request.

Destination: CRPO

Module: DFHRPAS

XMEOUT Parameters: *date, time, applid, tranid, clientaddr, hostaddr, X'prognum', X'versnum', X'procnum', protocol, port, socket*

DFHRP0128 *date time applid tranid* **A CICS ONC RPC alias is unable to continue processing because it cannot link to the resource checker** *program***. Client IP address:** *clientaddr* **Host IP address:** *hostaddr* **Program:** *X'prognum'* **Version:** *X'versnum'* **Procedure:** *X'procnum'* **Protocol:** *protocol* **Port:** *port* **Socket:** *socket***.**

Explanation: The alias has received a response while trying to link to the resource checker that indicates that it is not authorized to do so. This error has occurred because either the local alias transaction has been defined with RESSEC=YES, or the resource checker is in a remote CICS region and the mirror transaction in the remote region is defined with RESSEC=YES.

System Action: An **svcerr_systemerr** call is used to send a reply to the client. The alias abends with abend code ARPG.

User Response: If the alias or mirror transaction must run with RESSEC=YES, add a profile to the external security manager that allows users to access the resource checker. If you do not require resource level security in the CICS program, set RESSEC=NO in the alias or mirror transaction definition.

Destination: CRPO

Module: DFHRPAS

XMEOUT Parameters: *date, time, applid, tranid, program, clientaddr, hostaddr, X'prognum', X'versnum', X'procnum', protocol, port, socket*

DFHRP0129 *date time applid tranid* **A CICS ONC RPC alias is unable to continue processing this client request. Client IP address:** *clientaddr* **Host IP address:** *hostaddr* **Program:** *X'prognum'* **Version:** *X'versnum'* **Procedure:** *X'procnum'* **Protocol:** *protocol* **Port:** *port* **Socket:** *socket***.**

Explanation: The alias has received an incorrect response from CICS while trying to link to the resource checker.

System Action: An **svcerr_systemerr** call is used to send a

reply to the client. A system dump is taken. The alias abends with abend code ARPK. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: You need further assistance from IBM to resolve this problem. See the *CICS External Interfaces Guide* and Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed. Report the details of the symptom string given in message DFHME0116.

Destination: CRPO

Module: DFHRPAS

XMEOUT Parameters: *date, time, applid, tranid, clientaddr, hostaddr, X'prognum', X'versnum', X'procnum', protocol, port, socket*

DFHRP0130 *date time applid tranid* **A CICS ONC RPC alias is unable to continue processing. The resource checker has rejected this client request. Response:** *response* **Reason:** *reason***. Client IP address:** *clientaddr* **Host IP address:** *hostaddr* **Program:** *X'prognum'* **Version:** *X'versnum'* **Procedure:** *X'procnum'* **Protocol:** *protocol* **Port:** *port* **Socket:** *socket***.**

Explanation: The resource checker has returned the response and reason codes *response* and *reason*. This client request is not authorized to continue.

System Action: An **svcerr_auth** call with a why-value of AUTH_BADCRED is used to send a reply to the client. The alias abends with abend code ARPL.

User Response: Determine from the resource checker the meaning of the response and reason codes, and amend the program if necessary.

Destination: CRPO

Module: DFHRPAS

XMEOUT Parameters: *date, time, applid, tranid, response, reason, clientaddr, hostaddr, X'prognum', X'versnum', X'procnum', protocol, port, socket*

DFHRP0131 *date time applid tranid* **A CICS ONC RPC alias is unable to continue processing this client request as it cannot query the authorization of the CICS program** *program***. EIBRESP2:** *eibresp2* **Client IP address:** *clientaddr* **Host IP address:** *hostaddr* **Program:** *X'prognum'* **Version:** *X'versnum'* **Procedure:** *X'procnum'* **Protocol:** *protocol* **Port:** *port* **Socket:** *socket***.**

Explanation: The alias issued an EXEC CICS QUERY SECURITY command for the CICS program *program*, but received an INVREQ response.

System Action: An **svcerr_systemerr** call is used to send a reply to the client. The alias abends with abend code ARPG.

User Response: Use the EIBRESP2 value to determine the exact cause of the problem.

Destination: CRPO

Module: DFHRPAS

XMEOUT Parameters: *date, time, applid, tranid, program, eibresp2, clientaddr, hostaddr, X'prognum', X'versnum', X'procnum', protocol, port, socket*

DFHRP0132 *date time applid tranid* **A CICS ONC RPC alias is unable to continue processing this client request as it cannot query the authorization of the CICS program** *program***. EIBRESP2:** *eibresp2* **Client IP address:** *clientaddr* **Host IP address:** *hostaddr* **Program:** *X'prognum'* **Version:** *X'versnum'* **Procedure:** *X'procnum'* **Protocol:** *protocol* **Port:** *port* **Socket:** *socket***.**

Explanation: The alias issued an EXEC CICS QUERY SECURITY command for the CICS program *program*, but received a NOTFND response.

System Action: An **svcerr_systemerr** call is used to send a reply to the client. The alias abends with abend code ARPG.

User Response: Use the EIBRESP2 value to determine the exact cause of the problem.

Destination: CRPO

Module: DFHRPAS

XMEOUT Parameters: *date, time, applid, tranid, program, eibresp2, clientaddr, hostaddr, X'prognum', X'versnum', X'procnum', protocol, port, socket*

DFHRP0133 *date time applid tranid* **A CICS ONC RPC alias is unable to continue processing this client request. Client IP address:** *clientaddr* **Host IP address:** *hostaddr* **Program:** *X'prognum'* **Version:** *X'versnum'* **Procedure:** *X'procnum'* **Protocol:** *protocol* **Port:** *port* **Socket:** *socket***.**

Explanation: The alias has received an incorrect response on a call to CICS while trying to test the authorization level of the client.

System Action: An **svcerr_systemerr** call is used to send a reply to the client. A system dump is taken. The alias abends with abend code ARPI. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: You need further assistance from IBM to resolve this problem. See the *CICS External Interfaces Guide* and Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed. Report the details of the symptom string given in message DFHME0116.

Destination: CRPO

Module: DFHRPAS

XMEOUT Parameters: *date, time, applid, tranid, clientaddr, hostaddr, X'prognum', X'versnum', X'procnum', protocol, port, socket*

DFHRP0134 *date time applid tranid* **A CICS ONC RPC alias is unable to continue processing this client request because the client is not authorized to access the CICS program** *program***. Client IP address:** *clientaddr* **Host IP address:** *hostaddr* **Program:** *X'prognum'* **Version:** *X'versnum'* **Procedure:** *X'procnum'* **Protocol:** *protocol* **Port:** *port* **Socket:** *socket***.**

Explanation: The alias has rejected this client request because the client is not authorized to access the CICS program *program*.

System Action: An **svcerr_auth** call with a why-value of AUTH_TOOWEAK is used to send a reply to the client. The alias abends with abend code ARPL.

User Response: None

Destination: CRPO

Module: DFHRPAS

XMEOUT Parameters: *date, time, applid, tranid, program, clientaddr, hostaddr, X'prognum', X'versnum', X'procnum', protocol, port, socket*

DFHRP0135 *date time applid tranid* **A CICS ONC RPC alias is unable to continue processing this client request. Client IP address:** *clientaddr* **Host IP address:** *hostaddr* **Program:** *X'prognum'* **Version:** *X'versnum'* **Procedure:** *X'procnum'* **Protocol:** *protocol* **Port:** *port* **Socket:** *socket***.**

Explanation: The alias has detected an internal arithmetic error with the parameters passed by the server controller while processing this client request and is unable to link to the CICS program.

System Action: The client request is abandoned, and a SYSTEMERR reply is sent to the client. A system dump is taken. The alias abends with abend code ARPI. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: You need further assistance from IBM to resolve this problem. See the *CICS External Interfaces Guide* and Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed. Report the details of the symptom string given in message DFHME0116.

Destination: CRPO

Module: DFHRPAS

XMEOUT Parameters: *date, time, applid, tranid, clientaddr, hostaddr, X'prognum', X'versnum', X'procnum', protocol, port, socket*

DFHRP0136 *date time applid tranid* **A CICS ONC RPC alias is unable to continue processing this client request. Client IP address:** *clientaddr* **Host IP address:** *hostaddr* **Program:** *X'prognum'* **Version:** *X'versnum'* **Procedure:** *X'procnum'* **Protocol:** *protocol* **Port:** *port* **Socket:** *socket***.**

Explanation: The alias has detected a temporary error in the remote CICS region while communicating with the CICS program.

System Action: An **svcerr_systemerr** call is used to send a reply to the client. The alias abends with abend code ARPJ.

User Response: Investigate the problem in the remote CICS region.

Destination: CRPO

Module: DFHRPAS

XMEOUT Parameters: *date, time, applid, tranid, clientaddr, hostaddr, X'prognum', X'versnum', X'procnum', protocol, port, socket*

DFHRP0137 *date time applid tranid* **A CICS ONC RPC alias is unable to continue processing this client request. Client IP address:** *clientaddr* **Host IP address:** *hostaddr* **Program:** *X'prognum'* **Version:** *X'versnum'* **Procedure:** *X'procnum'* **Protocol:** *protocol* **Port:** *port* **Socket:** *socket***.**

Explanation: The alias has encountered an internal error while trying to link to the CICS program.

System Action: An **svcerr_systemerr** call is used to send a reply to the client. A system dump is taken. The alias abends with abend code ARPI. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: You need further assistance from IBM to resolve this problem. See the *CICS External Interfaces Guide* and Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed. Report the details of the symptom string given in message DFHME0116.

Destination: CRPO

Module: DFHRPAS

XMEOUT Parameters: *date, time, applid, tranid, clientaddr, hostaddr, X'prognum', X'versnum', X'procnum', protocol, port, socket*

DFHRP0138 *date time applid tranid* **A CICS ONC RPC alias is unable to continue processing as it cannot link to the CICS program** *program***. Client IP address:** *clientaddr* **Host IP address:** *hostaddr* **Program:** *X'prognum'* **Version:** *X'versnum'* **Procedure:** *X'procnum'* **Protocol:** *protocol* **Port:** *port* **Socket:** *socket***.**

Explanation: The alias has received a response while trying to link to the CICS program *program* that indicates that the program is not defined to CICS.

System Action: An **svcerr_systemerr** call is used to send a reply to the client. The alias abends with abend code ARPG.

User Response: Check that the CICS program is defined to CICS.

Destination: CRPO

Module: DFHRPAS

XMEOUT Parameters: *date, time, applid, tranid, program, clientaddr, hostaddr, X'prognum', X'versnum', X'procnum', protocol, port, socket*

DFHRP0139 *date time applid tranid* **A CICS ONC RPC alias is unable to continue processing as it cannot link to the CICS program** *program***. Client IP address:** *clientaddr* **Host IP address:** *hostaddr* **Program:** *X'prognum'* **Version:** *X'versnum'* **Procedure:** *X'procnum'* **Protocol:** *protocol* **Port:** *port* **Socket:** *socket***.**

Explanation: The alias has received a response while trying to link to the CICS program *program* that indicates that the remote system in which the program resides is not defined or is not available to CICS.

System Action: An **svcerr_systemerr** call is used to send a reply to the client. The alias abends with abend code ARPG.

User Response: Ensure that the remote CICS region in which the server program resides is defined to CICS. If it is, ensure that the connection is available for use by CICS.

Destination: CRPO

Module: DFHRPAS

XMEOUT Parameters: *date, time, applid, tranid, program, clientaddr, hostaddr, X'prognum', X'versnum', X'procnum', protocol, port, socket*

DFHRP0140 *date time applid tranid* **A CICS ONC RPC alias is unable to continue processing this client request. Client IP address:** *clientaddr* **Host IP address:** *hostaddr* **Program:** *X'prognum'* **Version:** *X'versnum'* **Procedure:** *X'procnum'* **Protocol:** *protocol* **Port:** *port* **Socket:** *socket***.**

Explanation: The alias has detected a rollback in the CICS program in the remote CICS region.

System Action: An **svcerr_systemerr** call is used to send a reply to the client. The alias abends with abend code ARPJ.

User Response: Investigate why the CICS program rolled back.

Destination: CRPO

Module: DFHRPAS

XMEOUT Parameters: *date, time, applid, tranid, clientaddr, hostaddr, X'prognum', X'versnum', X'procnum', protocol, port, socket*

DFHRP0141 *date time applid tranid* **A CICS ONC RPC alias is unable to continue processing as it cannot link to the CICS program** *program***. Client IP address:** *clientaddr* **Host IP address:** *hostaddr* **Program:** *X'prognum'* **Version:** *X'versnum'* **Procedure:** *X'procnum'* **Protocol:** *protocol* **Port:** *port* **Socket:** *socket***.**

Explanation: The alias has received a response while trying to link to the CICS program *program* that indicates that it is not authorized to do so.

System Action: An **svcerr_systemerr** call is used to send a reply to the client. The alias abends with abend code ARPG.

User Response: If the CICS program must run with resource level security, add a profile to the external security manager that grants access to the CICS program to its clients. If you do not require resource level security in the CICS program, set RESSEC=NO in the alias or mirror transaction definition.

Destination: CRPO

Module: DFHRPAS

XMEOUT Parameters: *date, time, applid, tranid, program, clientaddr, hostaddr, X'prognum', X'versnum', X'procnum', protocol, port, socket*

DFHRP0142 *date time applid tranid* **A CICS ONC RPC alias is unable to continue processing this client request. Client IP address:** *clientaddr* **Host IP address:** *hostaddr* **Program:** *X'prognum'* **Version:** *X'versnum'* **Procedure:** *X'procnum'* **Protocol:** *protocol* **Port:** *port* **Socket:** *socket***.**

Explanation: The alias has received an incorrect response from CICS while trying to link to the CICS program.

System Action: An **svcerr_systemerr** call is used to send a reply to the client. The alias abends with abend code ARPK. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: You need further assistance from IBM to resolve this problem. See the *CICS External Interfaces Guide* and Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed. Report the details of the symptom string given in message DFHME0116.

Destination: CRPO

Module: DFHRPAS

XMEOUT Parameters: *date, time, applid, tranid, clientaddr, hostaddr, X'prognum', X'versnum', X'procnum', protocol, port, socket*

DFHRP0143 *date time applid tranid* **A CICS ONC RPC alias is unable to continue processing this client request. Client IP address:** *clientaddr* **Host IP address:** *hostaddr* **Program:** *X'prognum'* **Version:** *X'versnum'* **Procedure:** *X'procnum'* **Protocol:** *protocol* **Port:** *port* **Socket:** *socket***.**

Explanation: The alias has encountered an internal error and cannot determine how to send a reply to the client. The CICS program has run successfully, and may have updated CICS resources.

System Action: An **svcerr_systemerr** call is used to send a reply to the client. A system dump is taken. The alias abends with abend code ARPI. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: You need further assistance from IBM to resolve this problem. See the *CICS External Interfaces Guide* and Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed. Report the details of the symptom string given in message DFHME0116.

Destination: CRPO

Module: DFHRPAS

XMEOUT Parameters: *date, time, applid, tranid, clientaddr, hostaddr, X'prognum', X'versnum', X'procnum', protocol, port, socket*

DFHRP0144 *date time applid tranid* **A CICS ONC RPC alias is unable to send a reply to the client because of a length error.**

Explanation: The alias is unable to send a reply to client because the communication area length is zero, but the client was expecting data to be sent in the reply.

System Action: The client request is abandoned, and no reply is sent to the client. A system dump is taken. The alias abends with abend code ARPI. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: See the associated CICS messages for problem diagnosis.

Destination: CRPO

Module: DFHRPAS

XMEOUT Parameters: *date, time, applid, tranid*

DFHRP0145 *date time applid tranid* **A CICS ONC RPC alias is unable to send a reply to the client due to an error in TCP/IP for MVS svc_sendreply processing. Client IP address:** *clientaddr* **Host IP address:** *hostaddr* **Program:** *X'prognum'* **Version:** *X'versnum'* **Procedure:** *X'procnum'* **Protocol:** *protocol* **Port:** *port* **Socket:** *socket***.**

Explanation: The alias cannot send a reply to the client. A problem has occurred in the TCP/IP for MVS **svc_sendreply** processing.

System Action: An **svcerr_systemerr** call is used to send a reply to the client. The alias abends with abend code ARPJ.

User Response: Examine the diagnostics to determine the reason for the error. If message DFHRP0002 was issued to the

console, the explanation of that message might contain more information.

Destination: CRPO

Module: DFHRPAS

XMEOUT Parameters: *date, time, applid, tranid, clientaddr, hostaddr, X'prognum', X'versnum', X'procnum', protocol, port, socket*

DFHRP0146 *date time applid tranid* **A CICS ONC RPC alias is unable to send a reply to the client due to an error in send reply processing. The transport handle was invalid or was not found. Client IP address:** *clientaddr* **Host IP address:** *hostaddr* **Program:** *X'prognum'* **Version:** *X'versnum'* **Procedure:** *X'procnum'* **Protocol:** *protocol* **Port:** *port* **Socket:** *socket***.**

Explanation: The alias cannot send a reply to the client. A problem has occurred in send reply processing. The transport handle was in error or was not found.

System Action: The client request is abandoned, and no reply is sent to the client. The alias abends with abend code ARPJ.

User Response: Examine the diagnostics to determine the reason for the error. If message DFHRP0002 was issued to the console, the explanation of that message might contain more information.

Destination: CRPO

Module: DFHRPAS

XMEOUT Parameters: *date, time, applid, tranid, clientaddr, hostaddr, X'prognum', X'versnum', X'procnum', protocol, port, socket*

DFHRP0147 *date time applid tranid* **A CICS ONC RPC alias is unable to send a reply to the client because CICS ONC RPC is disabling. Client IP address:** *clientaddr* **Host IP address:** *hostaddr* **Program:** *X'prognum'* **Version:** *X'versnum'* **Procedure:** *X'procnum'* **Protocol:** *protocol* **Port:** *port* **Socket:** *socket***.**

Explanation: The alias cannot send a reply back to the client because CICS ONC RPC is disabling.

System Action: The client request is abandoned, and no reply is sent to the client. The alias abends with abend code ARPJ.

User Response: Examine the diagnostics to determine the reason for the error.

Destination: CRPO

Module: DFHRPAS

XMEOUT Parameters: *date, time, applid, tranid, clientaddr, hostaddr, X'prognum', X'versnum', X'procnum', protocol, port, socket*

DFHRP0148 *date time applid tranid* **A CICS ONC RPC alias is unable to send a reply to the client due to an error in send processing. Client IP address:** *clientaddr* **Host IP address:** *hostaddr* **Program:** *X'prognum'* **Version:** *X'versnum'* **Procedure:** *X'procnum'* **Protocol:** *protocol* **Port:** *port* **Socket:** *socket***.**

Explanation: The alias cannot send a reply back to the client. The alias received an unexpected response from the RPC caller.

System Action: An **svcerr_systemerr** call is used to send a reply to the client. The alias abends with abend code ARPI.

User Response: You need further assistance from IBM to resolve this problem. See the *CICS External Interfaces Guide* and Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CRPO

Module: DFHRPAS

XMEOUT Parameters: *date, time, applid, tranid, clientaddr, hostaddr, X'prognum', X'versnum', X'procnum', protocol, port, socket*

DFHRP0149 *date time applid tranid* **A CICS ONC RPC alias is unable to send a reply to the client. Client IP address:** *clientaddr* **Host IP address:** *hostaddr* **Program:** *X'prognum'* **Version:** *X'versnum'* **Procedure:** *X'procnum'* **Protocol:** *protocol* **Port:** *port* **Socket:** *socket***.**

Explanation: The alias cannot send a reply back to the client. The alias received an unexpected response from the RPC caller.

System Action: An **svcerr_systemerr** call is used to send a reply to the client. The alias abends with abend code ARPI.

User Response: If message DFHRP0002 was issued to the console, the explanation of that message might contain more information. You may need further assistance from IBM to resolve this problem. See the *CICS External Interfaces Guide* and Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CRPO

Module: DFHRPAS

XMEOUT Parameters: *date, time, applid, tranid, clientaddr, hostaddr, X'prognum', X'versnum', X'procnum', protocol, port, socket*

DFHRP0150 *date time applid tranid* **A CICS ONC RPC alias is unable to send data to the client.**

Explanation: The alias is unable to send reply to the client. An unexpected response was returned from RPC caller.

System Action: The client request is abandoned, and no reply is sent to the client. The alias abends with abend code ARPJ.

User Response: See the associated CICS messages for problem diagnosis.

Destination: CRPO

Module: DFHRPAS

XMEOUT Parameters: *date, time, applid, tranid*

DFHRP0151 *date time applid tranid* **A CICS ONC RPC alias has encountered a severe internal error while processing this client request. Client IP address:** *clientaddr* **Host IP address:** *hostaddr* **Program:** *X'prognum'* **Version:** *X'versnum'* **Procedure:** *X'procnum'* **Protocol:** *protocol* **Port:** *port* **Socket:** *socket***.**

Explanation: The alias is unable to switch TCB modes to allow it to send a reply to the client. The RP TCB is not active.

System Action: The client request is abandoned, and no reply is sent to the client. A system dump is taken. The alias abends with abend code ARPN. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: See any associated CICS messages to help with problem diagnosis. If you cannot determine why the TCB mode

could not be switched, you need further assistance from IBM to resolve this problem. See the *CICS External Interfaces Guide* and Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed. Report the details of the symptom string given in message DFHME0116.

Destination: CRPO

Module: DFHRPAS

XMEOUT Parameters: *date, time, applid, tranid, clientaddr, hostaddr, X'prognum', X'versnum', X'procnum', protocol, port, socket*

DFHRP0155 *date time applid tranid* **A CICS ONC RPC alias encountered an error while attempting to access the converter** *converter_program_name***. Host IP address:** *hostaddr* **Program:** *X'prognum'* **Version:** *X'versnum'* **Procedure:** *X'procnum'* **Protocol:** *protocol* **Port:** *port* **Socket:** *socket* **Client IP address:** *clientaddr***.**

Explanation: An error has prevented the alias from accessing the converter *converter_program_name*.

System Action: An **svcerr_systemerr** call is used to send a reply to the client. A system dump is taken. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: You need further assistance from IBM to resolve this problem. See the *CICS External Interfaces Guide* and Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed. Report the details of the symptom string given in message DFHME0116.

Destination: CRPO

Module: DFHRPAS

XMEOUT Parameters: *date, time, applid, tranid, converter_program_name, hostaddr, X'prognum', X'versnum', X'procnum', protocol, port, socket, clientaddr*

DFHRP0156 *date time applid tranid* **A CICS ONC RPC alias could not link to converter** *converter_program_name***. Client IP address:** *clientaddr* **Host IP address:** *hostaddr* **Program:** *X'prognum'* **Version:** *X'versnum'* **Procedure:** *X'procnum'* **Protocol:** *protocol* **Port:** *port* **Socket:** *socket***.**

Explanation: The alias used EXEC CICS LINK for converter *converter_program_name* to perform the **Encode** function, but received a PGMIDERR response.

System Action: An **svcerr_systemerr** call is used to send a reply to the client.

User Response: Use CEDA to check that you have defined your converter program correctly to CICS.

Destination: CRPO

Module: DFHRPAS

XMEOUT Parameters: *date, time, applid, tranid, converter_program_name, clientaddr, hostaddr, X'prognum', X'versnum', X'procnum', protocol, port, socket*

DFHRP0157 *date time applid tranid* **A CICS ONC RPC alias could not link to converter** *converter_program_name* **because it is remote. Client IP address:** *clientaddr* **Host IP address:** *hostaddr* **Program:** *X'prognum'* **Version:** *X'versnum'* **Procedure:** *X'procnum'* **Protocol:** *protocol* **Port:** *port* **Socket:** *socket***.**

Explanation: The alias cannot work with a converter located in a remote CICS region. Data pointers are passed to and from the converter, and the referenced data can only be used if the converter runs in the local CICS region.

System Action: An **svcerr_systemerr** call is used to send a reply to the client. A system dump is taken.

User Response: Install and define the converter in the same CICS region as CICS ONC RPC.

Destination: CRPO

Module: DFHRPAS

XMEOUT Parameters: *date, time, applid, tranid, converter_program_name, clientaddr, hostaddr, X'prognum', X'versnum', X'procnum', protocol, port, socket*

DFHRP0159 *date time applid tranid* **A CICS ONC RPC alias is not authorized to link to converter** *converter_program_name***. Client IP address:** *clientaddr* **Host IP address:** *hostaddr* **Program:** *X'prognum'* **Version:** *X'versnum'* **Procedure:** *X'procnum'* **Protocol:** *protocol* **Port:** *port* **Socket:** *socket***.**

Explanation: The alias cannot access the converter. An authorization error has occurred.

System Action: An **svcerr_systemerr** call is used to send a reply to the client. A system dump is taken.

User Response: Either redefine the alias transaction with RESSEC=NO, or change the external security manager to allow the user to access the converter.

Destination: CRPO

Module: DFHRPAS

XMEOUT Parameters: *date, time, applid, tranid, converter_program_name, clientaddr, hostaddr, X'prognum', X'versnum', X'procnum', protocol, port, socket*

DFHRP0160 *date time applid tranid* **A CICS ONC RPC alias received an incorrect response from CICS when attempting to access the converter** *converter_program_name***. Client IP address:** *clientaddr* **Host IP address:** *hostaddr* **Program:** *X'prognum'* **Version:** *X'versnum'* **Procedure:** *X'procnum'* **Protocol:** *protocol* **Port:** *port* **Socket:** *socket***.**

Explanation: The alias received an unexpected response when trying to link to the converter for **Encode** processing.

System Action: An **svcerr_systemerr** call is used to send a reply to the client. A system dump is taken. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: See the associated messages issued by CICS for problem diagnosis.

Destination: CRPO

Module: DFHRPAS

XMEOUT Parameters: *date, time, applid, tranid, converter_program_name, clientaddr, hostaddr, X'prognum', X'versnum', X'procnum', protocol, port, socket*

DFHRP0161 *date time applid tranid* **A CICS ONC RPC alias encountered an error during Encode processing in the converter** *program***. Client IP address:** *clientaddr* **Host IP address:** *hostaddr* **Program:** *X'prognum'* **Version:** *X'versnum'* **Procedure:** *X'procnum'* **Protocol:** *protocol* **Port:** *port* **Socket:** *socket***.**

Explanation: **Encode** returned URP_EXCEPTION.

System Action: An **svcerr_systemerr** call is used to send a reply to the client.

User Response: Examine the diagnostics to determine the reason for the error.

Destination: CRPO

Module: DFHRPAS

XMEOUT Parameters: *date, time, applid, tranid, program, clientaddr, hostaddr, X'prognum', X'versnum', X'procnum', protocol, port, socket*

DFHRP0162 *date time applid tranid* **A CICS ONC RPC alias encountered an error during Encode processing in the converter** *program***. Client IP address:** *clientaddr* **Host IP address:** *hostaddr* **Program:** *X'prognum'* **Version:** *X'versnum'* **Procedure:** *X'procnum'* **Protocol:** *protocol* **Port:** *port* **Socket:** *socket***.**

Explanation: **Encode** returned URP_INVALID.

System Action: An **svcerr_systemerr** call is used to send a reply to the client.

User Response: Examine the diagnostics to determine the reason for the error.

Destination: CRPO

Module: DFHRPAS

XMEOUT Parameters: *date, time, applid, tranid, program, clientaddr, hostaddr, X'prognum', X'versnum', X'procnum', protocol, port, socket*

DFHRP0163 *date time applid tranid* **A CICS ONC RPC alias encountered an error during Encode processing in the converter** *program***. Client IP address:** *clientaddr* **Host IP address:** *hostaddr* **Program:** *X'prognum'* **Version:** *X'versnum'* **Procedure:** *X'procnum'* **Protocol:** *protocol* **Port:** *port* **Socket:** *socket***.**

Explanation: **Encode** returned an unexpected return code.

System Action: An **svcerr_systemerr** call is used to send a reply to the client. A system dump is taken. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Examine the diagnostics to determine the reason for the error.

Destination: CRPO

Module: DFHRPAS

XMEOUT Parameters: *date, time, applid, tranid, program, clientaddr, hostaddr, X'prognum', X'versnum', X'procnum', protocol, port, socket*

DFHRP0164 *date time applid tranid* **A CICS ONC RPC alias is unable to send an error reply to the client due to a logic error. Client IP address:** *clientaddr* **Host IP address:** *hostaddr* **Program:** *X'prognum'* **Version:** *X'versnum'* **Procedure:** *X'procnum'* **Protocol:** *protocol* **Port:** *port* **Socket:** *socket***.**

Explanation: The alias cannot send an error reply to the client due to a logic error.

System Action: No reply is sent to the client. A system dump is taken. The alias abends with abend code ARPI. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: You need further assistance from IBM to resolve this problem. See the *CICS External Interfaces Guide* and Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CRPO

Module: DFHRPAS

XMEOUT Parameters: *date, time, applid, tranid, clientaddr, hostaddr, X'prognum', X'versnum', X'procnum', protocol, port, socket*

DFHRP0166 *date time applid tranid* **A CICS ONC RPC alias is unable to send a reply to the client because the transport handle was invalid or was not found. Client IP address:** *clientaddr* **Host IP address:** *hostaddr* **Program:** *X'prognum'* **Version:** *X'versnum'* **Procedure:** *X'procnum'* **Protocol:** *protocol* **Port:** *port* **Socket:** *socket***.**

Explanation: The alias cannot send a reply to the client. The transport handle was invalid or was not found.

System Action: No reply is sent to the client. The alias abends with abend code ARPJ.

User Response: If message DFHRP0002 was issued to the console, the explanation of that message might contain more information. You may need further assistance from IBM to resolve this problem. See the *CICS External Interfaces Guide* and Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CRPO

Module: DFHRPAS

XMEOUT Parameters: *date, time, applid, tranid, clientaddr, hostaddr, X'prognum', X'versnum', X'procnum', protocol, port, socket*

DFHRP0167 *date time applid tranid* **A CICS ONC RPC alias is unable to send an error reply to the client. CICS ONC RPC is disabling. Client IP address:** *clientaddr* **Host IP address:** *hostaddr* **Program:** *X'prognum'* **Version:** *X'versnum'* **Procedure:** *X'procnum'* **Protocol:** *protocol* **Port:** *port* **Socket:** *socket***.**

Explanation: The alias cannot send a reply to the client because CICS ONC RPC is disabling.

System Action: No reply is sent to the client. The alias abends with abend code ARPJ.

User Response: Examine the diagnostics to determine the reason for the error.

Destination: CRPO

Module: DFHRPAS

XMEOUT Parameters: *date, time, applid, tranid, clientaddr, hostaddr, X'prognum', X'versnum', X'procnum', protocol, port, socket*

DFHRP0168 *date time applid tranid* **A CICS ONC RPC alias is unable to send an error reply to the client. Client IP address:** *clientaddr* **Host IP address:** *hostaddr* **Program:** *X'prognum'* **Version:** *X'versnum'* **Procedure:** *X'procnum'* **Protocol:** *protocol* **Port:** *port* **Socket:** *socket***.**

Explanation: The alias cannot send a reply to the client. The alias received an error response from the RPC caller.

System Action: No reply is sent to the client. The alias abends with abend code ARPI.

User Response: If message DFHRP0002 was issued to the console, the explanation of that message might contain more information. Examine the diagnostics to determine the reason for the error. You may need further assistance from IBM to resolve this problem. See the *CICS External Interfaces Guide* and Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CRPO

Module: DFHRPAS

XMEOUT Parameters: *date, time, applid, tranid, clientaddr, hostaddr, X'prognum', X'versnum', X'procnum', protocol, port, socket*

DFHRP0169 *date time applid tranid* **A CICS ONC RPC alias encountered an error during Encode processing in the converter** *program***. Client IP address:** *clientaddr* **Host IP address:** *hostaddr* **Program:** *X'prognum'* **Version:** *X'versnum'* **Procedure:** *X'procnum'* **Protocol:** *protocol* **Port:** *port* **Socket:** *socket***.**

Explanation: **Encode** returned URP_DISASTER.

System Action: An **svcerr_systemerr** call is used to send a reply to the client.

User Response: Examine the diagnostics to determine the reason for the error.

Destination: CRPO

Module: DFHRPAS

XMEOUT Parameters: *date, time, applid, tranid, program, clientaddr, hostaddr, X'prognum', X'versnum', X'procnum', protocol, port, socket*

DFHRP0170 *date time applid tranid* **A CICS ONC RPC alias has detected an error.**

Explanation: The alias has detected an error.

System Action: A system dump is taken. The alias abends with abend code ARPI. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Examine the diagnostics to determine the reason for the error.

Destination: CRPO

Module: DFHRPAS

XMEOUT Parameters: *date, time, applid, tranid*

DFHRP0171 *date time applid tranid* **A CICS ONC RPC alias has detected a FREEMAIN error.**

Explanation: The alias has detected a FREEMAIN error when freeing the communication area used by the CICS program. This FREEMAIN occurs after **Encode** processing.

System Action: Processing continues.

User Response: Examine the diagnostics to determine the reason for the error.

Destination: CRPO

Module: DFHRPAS

XMEOUT Parameters: *date, time, applid, tranid*

DFHRP0172 *date time applid tranid* **A CICS ONC RPC alias has detected a FREEMAIN error.**

Explanation: The alias has detected an error while freeing the data area created by **Encode** processing. The FREEMAIN occurs after outbound XDR processing.

System Action: Processing continues.

User Response: Examine the diagnostics to determine the reason for the error.

Destination: CRPO

Module: DFHRPAS

XMEOUT Parameters: *date, time, applid, tranid*

DFHRP0173 *date time applid tranid* **A CICS ONC RPC alias cannot find its alias list entry for deletion at task end. Client IP address:** *clientaddr* **Host IP address:** *hostaddr* **Program:** *X'prognum'* **Version:** *X'versnum'* **Procedure:** *X'procnum'* **Protocol:** *protocol* **Port:** *X'port'* **Socket:** *X'socket'***.**

Explanation: The alias has attempted to delete its alias list entry at task end. The alias list component has returned a NOT FOUND response. This is because either a connection manager user has started immediate disable processing, or because a connection manager user has deleted the entry.

System Action: The alias abends with abend code ARPJ.

User Response: None.

Destination: CRPO

Module: DFHRPAS

XMEOUT Parameters: *date, time, applid, tranid, clientaddr, hostaddr, X'prognum', X'versnum', X'procnum', protocol, X'port', X'socket'*

DFHRP0174 *date time applid tranid* **A CICS ONC RPC alias received an error response while attempting to delete its alias list entry. Client IP address:** *clientaddr* **Host IP address:** *hostaddr* **Program:** *X'prognum'* **Version:** *X'versnum'* **Procedure:** *X'procnum'* **Protocol:** *protocol* **Port:** *X'port'* **Socket:** *X'socket'***.**

Explanation: The alias has attempted to delete its alias list entry at task end. It received a response that indicated a severe error had occurred.

System Action: The alias abends with abend code ARPJ.

User Response: You need further assistance from IBM to resolve this problem. See the *CICS External Interfaces Guide* and Part 4

of the *CICS Problem Determination Guide* for guidance on how to proceed. response.

Destination: CRPO

Module: DFHRPAS

XMEOUT Parameters: *date, time, applid, tranid, clientaddr, hostaddr, X'prognum', X'versnum', X'procnum', protocol, X'port', X'socket'*

DFHRP0175 *date time applid tranid* **A CICS ONC RPC alias sent an error reply to the client, but cannot free storage associated with the error call to the client. Client IP address:** *clientaddr* **Host IP address:** *hostaddr* **Program:** *X'prognum'* **Version:** *X'versnum'* **Procedure:** *X'procnum'* **Protocol:** *protocol* **Port:** *port* **Socket:** *socket***.**

Explanation: The alias sent an error reply to the client. After this reply was sent, the alias received an error response when attempting to free storage associated with the error call to the client.

System Action: The alias abends with abend code ARPJ.

User Response: Examine the diagnostics to determine the reason for the error. If the problem persists, you need further assistance from IBM to resolve this problem. See the *CICS External Interfaces Guide* and Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CRPO

Module: DFHRPAS

XMEOUT Parameters: *date, time, applid, tranid, clientaddr, hostaddr, X'prognum', X'versnum', X'procnum', protocol, port, socket*

DFHRP0176 *date time applid tranid* **A CICS ONC RPC alias sent a reply to the client, but cannot free storage associated with the svc_sendreply call. Client IP address:** *clientaddr* **Host IP address:** *hostaddr* **Program:** *X'prognum'* **Version:** *X'versnum'* **Procedure:** *X'procnum'* **Protocol:** *protocol* **Port:** *port* **Socket:** *socket***.**

Explanation: The alias sent a reply back to the client. After this reply was sent, the alias received an error response when attempting to free storage associated with the **svc_sendreply** call.

System Action: The alias abends with abend code ARPJ.

User Response: Examine the diagnostics to determine the reason for the error. You need further assistance from IBM to resolve this problem. See the *CICS External Interfaces Guide* and Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CRPO

Module: DFHRPAS

XMEOUT Parameters: *date, time, applid, tranid, clientaddr, hostaddr, X'prognum', X'versnum', X'procnum', protocol, port, socket*

DFHRP0180 *date time applid tranid* **A CICS ONC RPC alias has detected an abend issued by the resource checker** *program***. Client IP address:** *clientaddr* **Host IP address:** *hostaddr* **Program:** *X'prognum'* **Version:** *X'versnum'* **Procedure:** *X'procnum'* **Protocol:** *protocol* **Port:** *port* **Socket:** *socket***.**

Explanation: The alias has detected an abend by the resource checker.

System Action: An **svcerr_systemerr** call is used to send a reply to the client. The alias abends with abend code ARPO.

User Response: Examine the diagnostics to determine the reason for the error.

Destination: CRPO

Module: DFHRPAS

XMEOUT Parameters: *date, time, applid, tranid, program, clientaddr, hostaddr, X'prognum', X'versnum', X'procnum', protocol, port, socket*

DFHRP0181 *date time applid tranid* **A CICS ONC RPC alias has detected an abend issued by the CICS program** *program***. Client IP address:** *clientaddr* **Host IP address:** *hostaddr* **Program:** *X'prognum'* **Version:** *X'versnum'* **Procedure:** *X'procnum'* **Protocol:** *protocol* **Port:** *port* **Socket:** *socket***.**

Explanation: The alias has detected an abend by the CICS program that was servicing the client request.

System Action: An **svcerr_systemerr** call is used to send a reply to the client. The alias abends with abend code ARPO.

User Response: Examine the diagnostics to determine the reason for the error.

Destination: CRPO

Module: DFHRPAS

XMEOUT Parameters: *date, time, applid, tranid, program, clientaddr, hostaddr, X'prognum', X'versnum', X'procnum', protocol, port, socket*

DFHRP0182 *date time applid tranid* **A CICS ONC RPC alias has detected an abend issued in the Encode function of the converter** *program***. Client IP address:** *clientaddr* **Host IP address:** *hostaddr* **Program:** *X'prognum'* **Version:** *X'versnum'* **Procedure:** *X'procnum'* **Protocol:** *protocol* **Port:** *port* **Socket:** *socket***.**

Explanation: The alias has detected an abend by the converter **Encode** function.

System Action: An **svcerr_systemerr** call is used to send a reply to the client. The alias abends with abend code ARPO.

User Response: Examine the diagnostics to determine the reason for the error.

Destination: CRPO

Module: DFHRPAS

XMEOUT Parameters: *date, time, applid, tranid, program, clientaddr, hostaddr, X'prognum', X'versnum', X'procnum', protocol, port, socket*

DFHRP0183 *date time applid tranid* **A CICS ONC RPC alias has detected an abend. Client IP address:** *clientaddr* **Host IP address:** *hostaddr* **Program:** *X'prognum'* **Version:** *X'versnum'* **Procedure:** *X'procnum'* **Protocol:** *protocol* **Port:** *port* **Socket:** *socket***.**

Explanation: The alias has detected an abend.

System Action: An **svcerr_systemerr** call is used to send a reply to the client. The alias abends with abend code ARPO.

User Response: Examine the diagnostics to determine the reason for the error.

Destination: CRPO

Module: DFHRPAS

XMEOUT Parameters: *date, time, applid, tranid, clientaddr, hostaddr, X'prognum', X'versnum', X'procnum', protocol, port, socket*

DFHRP0184 *date time applid tranid* **A CICS ONC RPC alias has found that the resource checker has rejected this client request. Response:** *response* **Reason:** *reason***. Client IP address:** *clientaddr* **Host IP address:** *hostaddr* **Program:** *X'prognum'* **Version:** *X'versnum'* **Procedure:** *X'procnum'* **Protocol:** *protocol* **Port:** *port* **Socket:** *socket***.**

Explanation: The resource checker has returned the response *response* and reason *reason*. This client request is not authorized to continue.

System Action: An **svcerr_auth** call with a why-value of AUTH_TOOWEAK is used to send a reply to the client. The alias abends with abend code ARPL.

User Response: If you suspect an error in the resource checker, use the response and reason codes to debug it.

Destination: CRPO

Module: DFHRPAS

XMEOUT Parameters: *date, time, applid, tranid, response, reason, clientaddr, hostaddr, X'prognum', X'versnum', X'procnum', protocol, port, socket*

DFHRP0185 *date time applid tranid* **A CICS ONC RPC alias has detected an error in the resource checker. Response:** *response* **Reason:** *reason***. Client IP address:** *clientaddr* **Host IP address:** *hostaddr* **Program:** *X'prognum'* **Version:** *X'versnum'* **Procedure:** *X'procnum'* **Protocol:** *protocol* **Port:** *port* **Socket:** *socket***.**

Explanation: The resource checker has returned the response *response* and reason *reason*. This client request is not authorized to continue.

System Action: An **svcerr_systemerr** call is used to send a reply to the client. The alias abends with abend code ARPM.

User Response: If you suspect an error in the resource checker, use the response and reason codes to debug it.

Destination: CRPO

Module: DFHRPAS

XMEOUT Parameters: *date, time, applid, tranid, response, reason, clientaddr, hostaddr, X'prognum', X'versnum', X'procnum', protocol, port, socket*

DFHRP0186 *date time applid tranid* **A CICS ONC RPC alias has detected an error in the resource checker program. Response:** *response* **Reason:** *reason***. Client IP address:** *clientaddr* **Host IP address:** *hostaddr* **Program:** *X'prognum'* **Version:** *X'versnum'* **Procedure:** *X'procnum'* **Protocol:** *protocol* **Port:** *port* **Socket:** *socket***.**

Explanation: The resource checker has returned the response *response* and reason *reason*. This client request is not authorized to continue.

System Action: An **svcerr_systemerr** call is used to send a reply to the client. The alias abends with abend code ARPM.

User Response: If you suspect an error in the resource checker, use the response and reason codes to debug it.

Destination: CRPO

Module: DFHRPAS

XMEOUT Parameters: *date, time, applid, tranid, response, reason, clientaddr, hostaddr, X'prognum', X'versnum', X'procnum', protocol, port, socket*

DFHRP0187 *date time applid tranid* **A CICS ONC RPC alias detected an error in the resource checker. Response:** *response* **Reason:** *reason***. Client IP address:** *clientaddr* **Host IP address:** *hostaddr* **Program:** *X'prognum'* **Version:** *X'versnum'* **Procedure:** *X'procnum'* **Protocol:** *protocol* **Port:** *port* **Socket:** *socket***.**

Explanation: The resource checker has returned the response *response* and reason *reason*. This client request is not authorized to continue.

System Action: An **svcerr_systemerr** call is used to send a reply to the client. The alias abends with abend code ARPM.

User Response: If you suspect and error in the resource checker, use the response and reason codes to debug it.

Destination: CRPO

Module: DFHRPAS

XMEOUT Parameters: *date, time, applid, tranid, response, reason, clientaddr, hostaddr, X'prognum', X'versnum', X'procnum', protocol, port, socket*

DFHRP0188 *date time applid tranid* **A CICS ONC RPC alias has detected an error in the resource checker. Response:** *response* **Reason:** *reason***. Client IP address:** *clientaddr* **Host IP address:** *hostaddr* **Program:** *X'prognum'* **Version:** *X'versnum'* **Procedure:** *X'procnum'* **Protocol:** *protocol* **Port:** *port* **Socket:** *socket***.**

Explanation: The resource checker has returned the response *response* and reason *reason*. This client request is not authorized to continue.

System Action: An **svcerr_systemerr** call is used to send a reply to the client. A system dump is taken. The alias abends with code abend ARPM. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: If you suspect an error in the resource checker, use the response and reason codes to debug it.

Destination: CRPO

Module: DFHRPAS

XMEOUT Parameters: *date, time, applid, tranid, response, reason, clientaddr, hostaddr, X'prognum', X'versnum', X'procnum', protocol, port, socket*

DFHRP0189 *date time applid tranid* **A CICS ONC RPC alias is unable to continue processing this client request as it cannot load the CICS program** *program***. Client IP address:** *clientaddr* **Host IP address:** *hostaddr* **Program:** *X'prognum'* **Version:** *X'versnum'* **Procedure:** *X'procnum'* **Protocol:** *protocol* **Port:** *port* **Socket:** *socket***.**

Explanation: The alias has received an INVREQ response while trying to EXEC CICS LOAD the CICS program *program* for security checking. This indicates that the program manager domain has not yet been initialized and may be due to this request having been made in a first stage PLT.

System Action: An **svcerr_systemerr** call is used to send a reply to the client. The alias abends with abend code ARPG.

User Response: Ensure that the program manager domain is initialized.

Destination: CRPO

Module: DFHRPAS

XMEOUT Parameters: *date, time, applid, tranid, program, clientaddr, hostaddr, X'prognum', X'versnum', X'procnum', protocol, port, socket*

DFHRP0190 *date time applid tranid* **A CICS ONC RPC alias is unable to continue processing this client request as it cannot load the CICS program** *program***. EIBRESP2:** *eibresp2* **Client IP address:** *clientaddr* **Host IP address:** *hostaddr* **Program:** *X'prognum'* **Version:** *X'versnum'* **Procedure:** *X'procnum'* **Protocol:** *protocol* **Port:** *port* **Socket:** *socket***.**

Explanation: The alias has received a PGMIDERR response while trying to EXEC CICS LOAD the CICS program *program* for security checking. This indicates that the program cannot be found or cannot be autoinstalled.

System Action: An **svcerr_systemerr** call is used to send a reply to the client. The alias abends with abend code ARPG.

User Response: Ensure that the load module is in the DFHRPL concatenation and can be autoinstalled.

Destination: CRPO

Module: DFHRPAS

XMEOUT Parameters: *date, time, applid, tranid, program, eibresp2, clientaddr, hostaddr, X'prognum', X'versnum', X'procnum', protocol, port, socket*

DFHRP0191 *date time applid tranid* **A CICS ONC RPC alias is unable to continue processing this client request as it cannot load the CICS program** *program***. EIBRESP2:** *eibresp2* **Client IP address:** *clientaddr* **Host IP address:** *hostaddr* **Program:** *X'prognum'* **Version:** *X'versnum'* **Procedure:** *X'procnum'* **Protocol:** *protocol* **Port:** *port* **Socket:** *socket***.**

Explanation: The alias has received a PGMIDERR response while trying to EXEC CICS LOAD the CICS program *program* for security checking. This indicates that the program autoinstall control program has failed.

System Action: An **svcerr_systemerr** call is used to send a reply to the client. The alias abends with abend code ARPJ.

User Response: Use the EIBRESP2 value to determine why the program autoinstall control program failed and correct the problem.

Destination: CRPO

Module: DFHRPAS

XMEOUT Parameters: *date, time, applid, tranid, program, eibresp2, clientaddr, hostaddr, X'prognum', X'versnum', X'procnum', protocol, port, socket*

DFHRP0192 *date time applid tranid* **A CICS ONC RPC alias is unable to continue processing this client request as it cannot load the CICS program** *program***. Client IP address:** *clientaddr* **Host IP address:** *hostaddr* **Program:** *X'prognum'* **Version:** *X'versnum'* **Procedure:** *X'procnum'* **Protocol:** *protocol* **Port:** *port* **Socket:** *socket***.**

Explanation: The alias has detected an internal error while trying to load the CICS program *program* for security checking.

System Action: An **svcerr_systemerr** call is used to send a reply to the client. A system dump is taken. The alias abends with abend code ARPI.

User Response: You need further assistance from IBM to resolve this problem. See the *CICS External Interfaces Guide* and Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed. Report the details of the symptom string given in message DFHME0116.

Destination: CRPO

Module: DFHRPAS

XMEOUT Parameters: *date, time, applid, tranid, program, clientaddr, hostaddr, X'prognum', X'versnum', X'procnum', protocol, port, socket*

DFHRP0193 *date time applid tranid* **A CICS ONC RPC alias is unable to continue processing this client request as it cannot load the CICS program** *program***. Client IP address:** *clientaddr* **Host IP address:** *hostaddr* **Program:** *X'prognum'* **Version:** *X'versnum'* **Procedure:** *X'procnum'* **Protocol:** *protocol* **Port:** *port* **Socket:** *socket***.**

Explanation: The alias has received a NOTAUTH response while trying to EXEC CICS LOAD the CICS program *program* for security checking. This indicates that it is not authorized to access this program. This error may have occurred because the local alias transaction has been defined with RESSEC=YES.

System Action: An **svcerr_systemerr** call is used to send a reply to the client. The alias abends with abend code ARPG.

User Response: If the alias transaction must run with RESSEC=YES, add a profile to the external security manager that allows users to access the program. If you do not require resource level security, set RESSEC=NO in the alias transaction definition.

Destination: CRPO

Module: DFHRPAS

XMEOUT Parameters: *date, time, applid, tranid, program, clientaddr, hostaddr, X'prognum', X'versnum', X'procnum', protocol, port, socket*

DFHRP0194 *date time applid tranid* **A CICS ONC RPC alias is unable to continue processing this client request as it cannot load the CICS program** *program***. Client IP address:** *clientaddr* **Host IP address:** *hostaddr* **Program:** *X'prognum'* **Version:** *X'versnum'* **Procedure:** *X'procnum'* **Protocol:** *protocol* **Port:** *port* **Socket:** *socket***.**

Explanation: The alias has received an incorrect response while trying to load the CICS program *program* for security checking.

System Action: An **svcerr_systemerr** call is used to send a reply to the client. A system dump is taken. The alias abends with abend code ARPI. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: You need further assistance from IBM to resolve this problem. See the *CICS External Interfaces Guide* and Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed. Report the details of the symptom string given in message DFHME0116.

Destination: CRPO

Module: DFHRPAS

XMEOUT Parameters: *date, time, applid, tranid, program, clientaddr, hostaddr, X'prognum', X'versnum', X'procnum', protocol, port, socket*

DFHRP0500 *date time applid tranid* **CICS ONC RPC enable processing is complete. Host IP address:** *hostaddr***.**

Explanation: The enable process has completed successfully.

System Action: Processing continues.

User Response: None.

Destination: Console and Transient Data Queue CRPO

Module: DFHRPMS

XMEOUT Parameters: *date, time, applid, tranid, hostaddr*

DFHRP0501 *date time applid tranid* **CICS ONC RPC normal disable processing has started. Host IP address:** *hostaddr***.**

Explanation: The server controller has started normal disable processing following a request by a connection manager user.

System Action: Processing continues.

User Response: None.

Destination: CRPO

Module: DFHRPMS

XMEOUT Parameters: *date, time, applid, tranid, hostaddr*

DFHRP0502 *date time applid tranid* **CICS ONC RPC immediate disable processing has started. Host IP address:** *hostaddr***.**

Explanation: The server controller has started immediate disable processing following a request by a connection manager user.

System Action: Processing continues.

User Response: None.

Destination: CRPO

Module: DFHRPMS

XMEOUT Parameters: *date, time, applid, tranid, hostaddr*

DFHRP0503 *date time applid tranid* **CICS ONC RPC disable processing is complete.**

Explanation: The server controller has completed the disable processing.

System Action: Processing continues.

User Response: None.

Destination: Console and Transient Data Queue CRPO

Module: DFHRPMS

XMEOUT Parameters: *date, time, applid, tranid*

DFHRP0508 *date time applid tranid* **The CICS ONC RPC task related user exit (DFHRPTRU) has been disabled before the server controller could start.**

Explanation: DFHRPTRU is enabled by the connection manager during enable processing. but DFHRPTRU was found to be disabled when the server controller started. This is probably caused by an operator manually disabling DFHRPTRU.

System Action: The server controller abends with abend code ARP2. CICS ONC RPC remains disabled. A system dump is taken. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Reenable CICS ONC RPC. Consider taking steps to avoid future manual interference with the TRUE.

Destination: CRPO

Module: DFHRPMS

XMEOUT Parameters: *date, time, applid, tranid*

DFHRP0509 *date time applid tranid* **CICS ONC RPC has received an incorrect response on a call made to CICS during server controller startup.**

Explanation: CICS ONC RPC has received a response indicating an error in CICS.

System Action: The server controller abends with abend code ARP2. CICS ONC RPC remains disabled. A system dump is taken. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: See the associated CICS message or messages for problem diagnosis.

Destination: CRPO

Module: DFHRPMS

XMEOUT Parameters: *date, time, applid, tranid*

DFHRP0510 *date time applid tranid* **The CICS ONC RPC task related user exit (DFHRPTRU) has been deleted or disabled before the server controller could start.**

Explanation: DFHRPTRU is enabled by the connection manager during enable processing, but the server controller received an indication that:

- DFHRPTRU is not defined to CICS, or
- it has no load module, or
- the load module is disabled.

This is probably caused by operator intervention.

System Action: The server controller abends with abend code ARPQ. A system dump is taken.

User Response: Reenable CICS ONC RPC. Consider taking steps to prevent future operator interference.

Destination: CRPO

Module: DFHRPMS

XMEOUT Parameters: *date, time, applid, tranid*

DFHRP0513 *date time applid tranid* **The CICS ONC RPC server controller could not link to the converter** *converter_program_name***. EIBRESP2:** *resp2val***. Client IP address:** *clientaddr* **Host IP address:** *hostaddr* **Program:** *X'prognum'* **Version:** *X'versnum'* **Procedure:** *X'procnum'* **Protocol:** *protocol* **Port:** *port* **Socket:** *socket***.**

Explanation: The server controller used EXEC CICS LINK for converter *converter_program_name* to perform **Decode**, but received a PGMIDERR response.

System Action: An **svcerr_systemerr** call is used to send a reply to the client.

User Response: If the converter name is wrong, use the connection manager to unregister and reregister the 4-tuple with the correct converter name.

Destination: CRPO

Module: DFHRPMS

XMEOUT Parameters: *date, time, applid, tranid, converter_program_name, resp2val, clientaddr, hostaddr, X'prognum', X'versnum', X'procnum', protocol, port, socket*

DFHRP0516 *date time applid tranid* **The CICS ONC RPC server controller obtained data length information from the Decode function of converter** *converter_program_name* **that gives a communication area length that is too great. Client IP address:** *clientaddr* **Host IP address:** *hostaddr* **Program:** *X'prognum'* **Version:** *X'versnum'* **Procedure:** *X'procnum'* **Protocol:** *protocol* **Port:** *port* **Socket:** *socket***.**

Explanation: The communication area length calculated from the **decode_server_data_format**, **decode_server_input_data_len**, and **decode_server_output_data_len** parameters exceeds the permitted maximum. See the *CICS Application Programming Guide* for more information about the **Decode** function and its parameters.

System Action: An **svcerr_systemerr** call is used to send a reply to the client.

User Response: Correct and replace the erroneous converter.

Destination: CRPO

Module: DFHRPMS

XMEOUT Parameters: *date, time, applid, tranid, converter_program_name, clientaddr, hostaddr, X'prognum', X'versnum', X'procnum', protocol, port, socket*

DFHRP0517 *date time applid tranid* **The CICS ONC RPC server controller does not have resource-level security authorization to start alias transaction** *alias-tranid***. Client IP address:** *clientaddr* **Host IP address:** *hostaddr* **Program:** *X'prognum'* **Version:** *X'versnum'* **Procedure:** *X'procnum'* **Protocol:** *protocol* **Port:** *port* **Socket:** *socket***.**

Explanation: The server controller cannot start the alias because it does not have the necessary resource-level security authorization.

System Action: An **svcerr_auth** call with a why-value of AUTH_TOOWEAK is used to send a reply to the client.

User Response: You should specify only the alias transaction IDs that server controller has resource-level security authorization to start. When CICS ONC RPC is next disabled, redefine the server controller transaction with RESSEC=NO.

Destination: CRPO

Module: DFHRPMS

XMEOUT Parameters: *date, time, applid, tranid, alias-tranid, clientaddr, hostaddr, X'prognum', X'versnum', X'procnum', protocol, port, socket*

DFHRP0518 *date time applid tranid* **CICS ONC RPC cannot process a client request because the associated terminal ID** *alias_termid* **is not in the terminal control table. Client IP address:** *clientaddr* **Host IP address:** *hostaddr* **Program:** *X'prognum'* **Version:** *X'versnum'* **Procedure:** *X'procnum'* **Protocol:** *protocol* **Port:** *port* **Socket:** *socket***.**

Explanation: A client request has arrived, and the corresponding 4-tuple refers to a terminal ID that is not in the terminal control table.

System Action: An **svcerr_systemerr** call is used to send a reply to the client.

User Response: Either define the missing terminal, or change the 4-tuple definition to refer to a terminal ID that is in the terminal control table.

Destination: CRPO

Module: DFHRPMS

XMEOUT Parameters: *date, time, applid, tranid, alias_termid, clientaddr, hostaddr, X'prognum', X'versnum', X'procnum', protocol, port, socket*

DFHRP0520 *date time applid tranid* **A CICS ONC RPC internal error has occurred while the server controller was polling for client work. Host IP address:** *hostaddr***.**

Explanation: This is an internal error.

System Action: CICS ONC RPC enters exception disable processing.

User Response: If message DFHRP0002 was issued to the console, the explanation of that message might contain more information. You may need further assistance from IBM to resolve this problem. See the *CICS External Interfaces Guide* and Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CRPO

Module: DFHRPMS

XMEOUT Parameters: *date, time, applid, tranid, hostaddr*

DFHRP0521 *date time applid tranid* **The CICS ONC RPC server controller detected an internal error while accessing an internal table. Client IP address:** *clientaddr* **Host IP address:** *hostaddr* **Program:** *X'prognum'* **Version:** *X'versnum'* **Procedure:** *X'procnum'* **Protocol:** *protocol* **Port:** *port* **Socket:** *socket*

Explanation: An internal error has occurred in the server controller while it was accessing an internal table.

System Action: Processing continues.

User Response: None.

Destination: CRPO

Module: DFHRPMS

XMEOUT Parameters: *date, time, applid, tranid, clientaddr, hostaddr, X'prognum', X'versnum', X'procnum', protocol, port, socket*

DFHRP0522 *date time applid tranid* **The CICS ONC RPC server controller detected an internal error while accessing an internal table. Client IP address:** *clientaddr* **Host IP address:** *hostaddr* **Program:** *X'prognum'* **Version:** *X'versnum'* **Procedure:** *X'procnum'* **Protocol:** *protocol* **Port:** *port* **Socket:** *socket*

Explanation: An internal error has occurred in the server controller while accessing an internal table.

System Action: Processing continues.

User Response: None.

Destination: CRPO

Module: DFHRPMS

XMEOUT Parameters: *date, time, applid, tranid, clientaddr, hostaddr, X'prognum', X'versnum', X'procnum', protocol, port, socket*

DFHRP0528 *date time applid tranid* **The CICS ONC RPC server controller detected an initialization error.**

Explanation: This is an internal error.

System Action: A system dump is taken. The server controller abends with abend code ARP2. CICS ONC RPC remains disabled. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: You need further assistance from IBM to resolve this problem. See the *CICS External Interfaces Guide* and Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed. Report the details of the symptom string given in message DFHME0116.

Destination: CRPO

Module: DFHRPMS

XMEOUT Parameters: *date, time, applid, tranid*

DFHRP0540 *date time applid* **The CICS ONC RPC server controller received an error response from TCP/IP for MVS after an svc_freeargs call issued for XDR routine:** *xdrname* **Client IP address:** *clientaddr* **Host IP address:** *hostaddr* **Program:** *X'progname'* **Version:** *X'versnum'* **Procedure:** *X'procnum'* **Protocol:** *protocol* **Port:** *port* **Socket:** *socket***.**

Explanation: The server controller cannot free storage allocated by the inbound XDR routine. An **svc_freeargs** returned an error response. This may be because the client associated with the call has timed out and the storage has already been freed by TCP/IP for MVS.

System Action: The server controller continues to process this client request. If the message is not a result of client time-out, MVS storage associated with the request will not be freed; if errors of this kind occur frequently, they may lead to storage problems.

User Response: Examine the diagnostics to determine the reason for the error. If a user-written XDR routine is being used, there may be an error in the code associated with the FREE function. If message DFHRP0002 was issued to the console, the explanation of that message might contain more information.

Destination: CRPO

Module: DFHRPMS

XMEOUT Parameters: *date, time, applid, xdrname, clientaddr, hostaddr, X'progname', X'versnum', X'procnum', protocol, port, socket*

DFHRP0545 *date time applid tranid* **The CICS ONC RPC server controller is unable to send an error reply to the client due to an error in reply processing. The transport handle was invalid or not found. Client IP address:** *clientaddr* **Host IP address:** *hostaddr* **Program:** *X'prognum'* **Version:** *X'versnum'* **Procedure:** *X'procnum'* **Protocol:** *protocol* **Port:** *port* **Socket:** *socket***.**

Explanation: The server controller cannot send an error reply to the client because the transport handle is not valid.

System Action: The client request is abandoned, and no reply is sent to the client.

User Response: Examine the diagnostics to determine the reason for the error. If message DFHRP0002 was issued to the console, the explanation of that message might contain more information. You may need further assistance from IBM to resolve this problem. See the *CICS External Interfaces Guide* and Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CRPO

Module: DFHRPM

XMEOUT Parameters: *date, time, applid, tranid, clientaddr, hostaddr, X'prognum', X'versnum', X'procnum', protocol, port, socket*

DFHRP0546 *date time applid tranid* **The CICS ONC RPC server controller is unable to send an error reply to the client because CICS ONC RPC is disabling. Client IP address:** *clientaddr* **Host IP address:** *hostaddr* **Program:** *X'prognum'* **Version:** *X'versnum'* **Procedure:** *X'procnum'* **Protocol:** *protocol* **Port:** *port* **Socket:** *socket***.**

Explanation: The server controller cannot send an error reply to the client. CICS ONC RPC is disabling.

System Action: The client request is abandoned, and no reply is sent to the client.

User Response: Examine the diagnostics to determine the reason for the disable request.

Destination: CRPO

Module: DFHRPM

XMEOUT Parameters: *date, time, applid, tranid, clientaddr, hostaddr, X'prognum', X'versnum', X'procnum', protocol, port, socket*

DFHRP0547 *date time applid tranid* **The CICS ONC RPC server controller is unable to send an error reply to the client. Client IP address:** *clientaddr* **Host IP address:** *hostaddr* **Program:** *X'prognum'* **Version:** *X'versnum'* **Procedure:** *X'procnum'* **Protocol:** *protocol* **Port:** *port* **Socket:** *socket***.**

Explanation: The server controller cannot send a reply to the client, because it received an error response from the RPC caller.

System Action: The client request is abandoned, and no reply is sent to the client. The server controller attempts to deal with requests from other clients, but may experience further RPC caller errors.

User Response: Examine the exception trace to determine the reason for the error. If message DFHRP0002 was issued to the console, the explanation of that message might contain more information. You may need further assistance from IBM to resolve this problem. See the *CICS External Interfaces Guide* and Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CRPO

Module: DFHRPM

XMEOUT Parameters: *date, time, applid, tranid, clientaddr, hostaddr, X'prognum', X'versnum', X'procnum', protocol, port, socket*

DFHRP0548 *date time applid tranid* **The CICS ONC RPC server controller sent an error reply to the client but cannot free storage associated with the client call. Client IP address:** *clientaddr* **Host IP address:** *hostaddr* **Program:** *X'prognum'* **Version:** *X'versnum'* **Procedure:** *X'procnum'* **Protocol:** *protocol* **Port:** *port* **Socket:** *socket***.**

Explanation: The server controller sent an error reply to the client. After this reply was sent, the server controller received an error response when attempting to free storage associated with the client call.

System Action: Processing continues as if the error had not occurred.

User Response: Examine the diagnostics to determine the reason for the error. You need further assistance from IBM to resolve this problem. See the *CICS External Interfaces Guide* and Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CRPO

Module: DFHRPMS

XMEOUT Parameters: *date, time, applid, tranid, clientaddr, hostaddr, X'prognum', X'versnum', X'procnum', protocol, port, socket*

DFHRP0559 *date time applid tranid* **The CICS ONC RPC server controller has encountered an internal error while trying to disable its task related user exit.**

Explanation: An attempt to disable the task-related user exit during disable processing has failed because of an internal error.

System Action: A system dump is taken. Disable processing continues. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: You need further assistance from IBM to resolve this problem. See the *CICS External Interfaces Guide* and Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed. Report the details of the symptom string given in message DFHME0116.

Destination: CRPO

Module: DFHRPMS

XMEOUT Parameters: *date, time, applid, tranid*

DFHRP0570 *date time applid tranid* **The CICS ONC RPC server controller found that the RP task control block is not available. Host IP address:** *hostaddr***.**

Explanation: The RP TCB is not available.

System Action: A system dump is taken. The server controller abends with abend code ARP2. CICS ONC RPC is disabled. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: You need further assistance from IBM to resolve this problem. See the *CICS External Interfaces Guide* and Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed. Report the details of the symptom string given in message DFHME0116.

Destination: CRPO

Module: DFHRPMS

XMEOUT Parameters: *date, time, applid, tranid, hostaddr*

DFHRP0574 *date time applid tranid* **The CICS ONC RPC server controller has encountered an internal error while waiting for work. Host IP address:** *hostaddr***.**

Explanation: CICS ONC RPC is unable to continue because of an internal error in the server controller.

System Action: In some circumstances, a system dump is taken. CICS ONC RPC is disabled. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: You need further assistance from IBM to resolve this problem. See the *CICS External Interfaces Guide* and Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed. Report the details of the symptom string given in message DFHME0116.

Destination: CRPO

Module: DFHRPMS

XMEOUT Parameters: *date, time, applid, tranid, hostaddr*

DFHRP0589 *date time applid tranid* **The CICS ONC RPC server controller cannot enable CICS ONC RPC because it is not defined with the authority to access the task-related user exit.**

Explanation: The server controller cannot access the task-related user exit. This error can arise only if the supplied definitions for the server controller have been changed.

System Action: The server controller abends with abend code ARP2. CICS ONC RPC remains disabled.

User Response: Ensure that the supplied definitions for the server controller are used, and reenable CICS ONC RPC.

Destination: CRPO

Module: DFHRPMS

XMEOUT Parameters: *date, time, applid, tranid*

DFHRP0590 *date time applid tranid* **The CICS ONC RPC server controller has received an unexpected response on a call to CICS during CICS ONC RPC enable processing.**

Explanation: CICS ONC RPC enable processing cannot continue because of an error in CICS.

System Action: A system dump is taken. The server controller abends with abend code ARP2. CICS ONC RPC remains disabled. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: You need further assistance from IBM to resolve this problem. See the *CICS External Interfaces Guide* and Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed. Report the details of the symptom string given in message DFHME0116.

Destination: CRPO

Module: DFHRPMS

XMEOUT Parameters: *date, time, applid, tranid*

DFHRP0591 *date time applid tranid* **CICS ONC RPC could not be enabled because of an internal error in the server controller.**

Explanation: The server controller cannot start because of an internal error.

System Action: A system dump is taken. The server controller abends with abend code ARP2. CICS ONC RPC remains disabled. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: You need further assistance from IBM to resolve this problem. See the *CICS External Interfaces Guide* and Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed. Report the details of the symptom string given in message DFHME0116.

Destination: CRPO

Module: DFHRPMS

XMEOUT Parameters: *date, time, applid, tranid*

DFHRP0592 *date time applid tranid* **The CICS ONC RPC server controller detected an error while polling for client work. Host IP address:** *hostaddr***.**

Explanation: The server controller cannot continue because of an internal error.

System Action: CICS ONC RPC is disabled.

User Response: You need further assistance from IBM to resolve this problem. See the *CICS External Interfaces Guide* and Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CRPO

Module: DFHRPMS

XMEOUT Parameters: *date, time, applid, tranid, hostaddr*

DFHRP0618 *date time applid tranid* **The CICS ONC RPC server controller cannot link to remote converter** *converter_program_name***. Client IP address:** *clientaddr* **Host IP address:** *hostaddr* **Program:** *X'prognum'* **Version:** *X'versnum'* **Procedure:** *X'procnum'* **Protocol:** *protocol* **Port:** *port* **Socket:** *socket***.**

Explanation: The server controller used EXEC CICS LINK to access the converter for **Decode** processing, but got an error response that indicated that the converter was defined as remote. Data pointers are passed to and from the converter, and the referenced data can only be used if the converter runs in the local CICS region.

System Action: A system dump is taken. An **svcerr_systemerr** call is used to send a reply to the client. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Install and define the converter program in the same CICS region as CICS ONC RPC.

Destination: CRPO

Module: DFHRPMS

XMEOUT Parameters: *date, time, applid, tranid, converter_program_name, clientaddr, hostaddr, X'prognum', X'versnum', X'procnum', protocol, port, socket*

DFHRP0620 *date time applid tranid* **The CICS ONC RPC server controller received an unexpected response from CICS when attempting to access converter** *converter_program_name***. Client IP address:** *clientaddr* **Host IP address:** *hostaddr* **Program:** *X'prognum'* **Version:** *X'versnum'* **Procedure:** *X'procnum'* **Protocol:** *protocol* **Port:** *port* **Socket:** *socket***.**

Explanation: A client request has failed because of an error in CICS.

System Action: A system dump is taken. An **svcerr_systemerr** call is used to send a reply to the client. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: See the associated diagnostics issued by CICS for problem determination.

Destination: CRPO

Module: DFHRPMS

XMEOUT Parameters: *date, time, applid, tranid, converter_program_name, clientaddr, hostaddr, X'prognum', X'versnum', X'procnum', protocol, port, socket*

DFHRP0621 *date time applid tranid* **The CICS ONC RPC server controller is not authorized to link to converter** *converter_program_name***. Client IP address:** *clientaddr* **Host IP address:** *hostaddr* **Program:** *X'prognum'* **Version:** *X'versnum'* **Procedure:** *X'procnum'* **Protocol:** *protocol* **Port:** *port* **Socket:** *socket***.**

Explanation: The server controller cannot access the converter. This error can arise only if the supplied definitions for the server controller have been changed.

System Action: A system dump is taken. An **svcerr_systemerr** call is used to send a reply to the client. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Ensure that the supplied definitions for the server controller are used, and reenable CICS ONC RPC.

Destination: CRPO

Module: DFHRPMS

XMEOUT Parameters: *date, time, applid, tranid, converter_program_name, clientaddr, hostaddr, X'prognum', X'versnum', X'procnum', protocol, port, socket*

DFHRP0625 *date time applid tranid* **The CICS ONC RPC server controller encountered an error during Decode processing in converter** *converter_program_name***. Client IP address:** *clientaddr* **Host IP address:** *hostaddr* **Program:** *X'prognum'* **Version:** *X'versnum'* **Procedure:** *X'procnum'* **Protocol:** *protocol* **Port:** *port* **Socket:** *socket***.**

Explanation: **Decode** returned an unexpected response.

System Action: An **svcerr_systemerr** call is used to send a reply to the client.

User Response: Correct and replace the converter program in question.

Destination: CRPO

Module: DFHRPMS

XMEOUT Parameters: *date, time, applid, tranid, converter_program_name, clientaddr, hostaddr, X'prognum', X'versnum', X'procnum', protocol, port, socket*

DFHRP0626 *date time applid tranid* **The CICS ONC RPC server controller encountered an error during Decode processing in converter** *converter_program_name***. Client IP address:** *clientaddr* **Host IP address:** *hostaddr* **Program:** *X'prognum'* **Version:** *X'versnum'* **Procedure:** *X'procnum'* **Protocol:** *protocol* **Port:** *port* **Socket:** *socket***.**

Explanation: **Decode** returned URP_EXCEPTION with a reason of URP_CORRUPT_CLIENT_DATA.

System Action: An **svcerr_decode** call is used to send a reply to the client.

User Response: Compare the client program and the converter program and change one or the other to make the data formats consistent.

Destination: CRPO

Module: DFHRPMS

XMEOUT Parameters: *date, time, applid, tranid, converter_program_name, clientaddr, hostaddr, X'prognum', X'versnum', X'procnum', protocol, port, socket*

DFHRP0628 *date time applid tranid* **The CICS ONC RPC server controller encountered an error during Decode processing in converter** *converter_program_name***. Client IP address:** *clientaddr* **Host IP address:** *hostaddr* **Program:** *X'prognum'* **Version:** *X'versnum'* **Procedure:** *X'procnum'* **Protocol:** *protocol* **Port:** *port* **Socket:** *socket***.**

Explanation: **Decode** returned URP_EXCEPTION with a reason of URP_AUTH_BADCRED.

System Action: An **svcerr_auth** call with a why-value of AUTH_BADCRED is used to send a reply to the client.

User Response: If the client should be authorized to make this request, compare the client program and the converter, and change one or the other so that authentication requirements match.

Destination: CRPO

Module: DFHRPMS

XMEOUT Parameters: *date, time, applid, tranid, converter_program_name, clientaddr, hostaddr, X'prognum', X'versnum', X'procnum', protocol, port, socket*

DFHRP0629 *date time applid tranid* **The CICS ONC RPC server controller encountered an error during Decode processing in converter** *converter_program_name***. Client IP address:** *clientaddr* **Host IP address:** *hostaddr* **Program:** *X'prognum'* **Version:** *X'versnum'* **Procedure:** *X'procnum'* **Protocol:** *protocol* **Port:** *port* **Socket:** *socket***.**

Explanation: **Decode** returned URP_EXCEPTION with a reason of URP_AUTH_TOOWEAK.

System Action: An **svcerr_auth** call with a why-value of AUTH_TOOWEAK is used to send a reply to the client.

User Response: If the client should be authorized to make this request. compare the client program and the converter, and change one or the other so that authentication requirements match.

Destination: CRPO

Module: DFHRPMS

XMEOUT Parameters: *date, time, applid, tranid, converter_program_name, clientaddr, hostaddr, X'prognum', X'versnum', X'procnum', protocol, port, socket*

DFHRP0631 *date time applid tranid* **The CICS ONC RPC server controller encountered an error in Decode processing in converter** *converter_program_name***. The response was URP_EXCEPTION, but the reason** *decode_reason* **was not recognized. Client IP address:** *clientaddr* **Host IP address:** *hostaddr* **Program:** *X'prognum'* **Version:** *X'versnum'* **Procedure:** *X'procnum'* **Protocol:** *protocol* **Port:** *port* **Socket:** *socket***.**

Explanation: **Decode** returned URP_EXCEPTION with an unrecognized reason code.

System Action: An **svcerr_systemerr** call is used to send a reply to the client.

User Response: If the reason code returned has a user-defined meaning act accordingly. If the reason code does not have a user-defined meaning, fix the problem with the converter and replace it.

Destination: CRPO

Module: DFHRPMS

XMEOUT Parameters: *date, time, applid, tranid, converter_program_name, decode_reason, clientaddr, hostaddr, X'prognum', X'versnum', X'procnum', protocol, port, socket*

DFHRP0632 *date time applid tranid* **The CICS ONC RPC server controller encountered an error during Decode processing in converter** *converter_program_name***. Client IP address:** *clientaddr* **Host IP address:** *hostaddr* **Program:** *X'prognum'* **Version:** *X'versnum'* **Procedure:** *X'procnum'* **Protocol:** *protocol* **Port:** *port* **Socket:** *socket***.**

Explanation: **Decode** returned URP_INVALID.

System Action: An **svcerr_systemerr** call is used to send a reply to the client.

User Response: The **Decode** parameter area will have been traced. If the values passed were correct, and the error is in the

converter, correct and replace the converter. If the values passed were incorrect, you need further assistance from IBM to resolve this problem. See the *CICS External Interfaces Guide* and Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CRPO

Module: DFHRPMS

XMEOUT Parameters: *date, time, applid, tranid, converter_program_name, clientaddr, hostaddr, X'prognum', X'versnum', X'procnum', protocol, port, socket*

DFHRP0635 *date time applid tranid* **The CICS ONC RPC server controller encountered an error during Decode processing in converter** *converter_program_name***. Client IP address:** *clientaddr* **Host IP address:** *hostaddr* **Program:** *X'prognum'* **Version:** *X'versnum'* **Procedure:** *X'procnum'* **Protocol:** *protocol* **Port:** *port* **Socket:** *socket***.**

Explanation: **Decode** returned URP_DISASTER.

System Action: An **svcerr_systemerr** call is used to send a reply to the client.

User Response: Correct and replace the converter.

Destination: CRPO

Module: DFHRPMS

XMEOUT Parameters: *date, time, applid, tranid, converter_program_name, clientaddr, hostaddr, X'prognum', X'versnum', X'procnum', protocol, port, socket*

DFHRP0636 *date time applid tranid* **The CICS ONC RPC server controller was unable to process an incoming client request due to lack of storage. Client IP address:** *clientaddr* **Host IP address:** *hostaddr* **Program:** *X'prognum'* **Version:** *X'versnum'* **Procedure:** *X'procnum'* **Protocol:** *protocol* **Port:** *port* **Socket:** *socket***.**

Explanation: An incoming client request could not be processed because there was insufficient storage available.

System Action: An **svcerr_systemerr** call is used to send a reply to the client.

User Response: If this error occurs persistently, you may need to customize your CICS system to cure the lack of storage.

Destination: CRPO

Module: DFHRPMS

XMEOUT Parameters: *date, time, applid, tranid, clientaddr, hostaddr, X'prognum', X'versnum', X'procnum', protocol, port, socket*

DFHRP0637 *date time applid tranid* **The CICS ONC RPC server controller was unable to process an incoming client request due to an internal error.***clientaddr* **Host IP address:** *hostaddr* **Program:** *X'prognum'* **Version:** *X'versnum'* **Procedure:** *X'procnum'* **Protocol:** *protocol* **Port:** *port* **Socket:** *socket***.**

Explanation: An internal error has forced CICS ONC RPC to abandon a client request.

System Action: An **svcerr_systemerr** call is used to send a reply to the client.

User Response: You need further assistance from IBM to resolve this problem.

Destination: CRPO

Module: DFHRPMS

XMEOUT Parameters: *date, time, applid, tranid, clientaddr, hostaddr, X'prognum', X'versnum', X'procnum', protocol, port, socket*

DFHRP0638 *date time applid tranid* **The CICS ONC RPC server controller was unable to process an incoming client request due to an unexpected error detected when acquiring storage. eibresp** *eibresp* **eibresp2** *eibresp2* **Client IP address** *clientaddr* **Host IP address:** *hostaddr* **Program:** *X'prognum'* **Version:** *X'versnum'* **Procedure:** *X'procnum'* **Protocol:** *protocol* **Port:** *port* **Socket:** *socket***.**

Explanation: An incoming client request could not be processed because an unexpected error occurred when obtaining storage to process the request.

System Action: An **svcerr_systemerr** call is used to send a reply to the client.

User Response: You need assistance from IBM to resove this problem.

Destination: CRPO

Module: DFHRPMS

XMEOUT Parameters: *date, time, applid, tranid, eibresp, eibresp2, clientaddr, hostaddr, X'prognum', X'versnum', X'procnum', protocol, port, socket*

DFHRP0639 *date time applid tranid* **The CICS ONC RPC server controller received an incorrect response on a call made to CICS.**

Explanation: The server controller has received a response that indicates a logic error while calling CICS to establish its initialization information.

System Action: The server controller abends with abend code ARP2. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: You need further assistance from IBM to resolve this problem. See the *CICS External Interfaces Guide* and Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CRPO

Module: DFHRPAS

XMEOUT Parameters: *date, time, applid, tranid*

DFHRP0640 *date time applid tranid* **The CICS ONC RPC server controller has been started incorrectly.**

Explanation: The server controller transaction CRPM has been started by a means other than the connection manager program, possibly by a user at a terminal.

System Action: The server controller abends with abend code ARP5.

User Response: Check that the CRPM transaction id was not entered by a terminal user.

Destination: CRPO

Module: DFHRPMS

XMEOUT Parameters: *date, time, applid, tranid*

DFHRP0663 *date time applid tranid* **The CICS ONC RPC server controller could not start alias transaction** *alias_tranid***. Host IP address:** *hostaddr* **Program:** *prognum* **Version:** *versnum* **Protocol:** *protocol* **Port:** *port* **Socket:** *socket* **Client IP address:** *clientaddr*

Explanation: An internal error has prevented the server controller from starting the alias transaction.

System Action: An **svcerr_systemerr** call is used to send a reply to the client.

User Response: You need further assistance from IBM to resolve this problem. See the *CICS External Interfaces Guide* and Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CRPO

Module: DFHRPMS

XMEOUT Parameters: *date, time, applid, tranid, alias_tranid, hostaddr, prognum, versnum, protocol, port, socket, clientaddr*

DFHRP0686 *date time applid tranid* **The CICS ONC RPC server controller encountered an internal error while attempting to start an alias transaction. Client IP address:** *clientaddr* **Host IP address:** *hostaddr* **Program:** *X'prognum'* **Version:** *X'versnum'* **Procedure:** *X'procnum'* **Protocol:** *protocol* **Port:** *port* **Socket:** *socket***.**

Explanation: An internal error has prevented the server controller from starting an alias transaction.

System Action: A system dump is taken. An **svcerr_systemerr** call is used to send a reply to the client. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: You need further assistance from IBM to resolve this problem. See the *CICS External Interfaces Guide* and Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed. Report the details of the symptom string given in message DFHME0116.

Destination: CRPO

Module: DFHRPMS

XMEOUT Parameters: *date, time, applid, tranid, clientaddr, hostaddr, X'prognum', X'versnum', X'procnum', protocol, port, socket*

DFHRP0687 *date time applid tranid* **The CICS ONC RPC server controller could not start alias transaction** *alias_tranid* **because the CICS default temporary storage data set is full. Client IP address:** *clientaddr* **Host IP address:** *hostaddr* **Program:** *X'prognum'* **Version:** *X'versnum'* **Procedure:** *X'procnum'* **Protocol:** *protocol* **Port:** *port* **Socket:** *socket***.**

Explanation: The server controller cannot start the alias transaction because temporary storage is not available.

System Action: A system dump is taken. An **svcerr_systemerr** call is used to send a reply to the client. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Determine why the CICS default temporary storage data set is full. Enlarge the data set, or alter your CICS load to free space on it.

Destination: CRPO

Module: DFHRPMS

XMEOUT Parameters: *date, time, applid, tranid, alias_tranid, clientaddr, hostaddr, X'prognum', X'versnum', X'procnum', protocol, port, socket*

DFHRP0688 *date time applid tranid* **The CICS ONC RPC server controller detected an error while starting alias transaction** *alias_tranid***. The error indicated that the transaction is remote. Client IP address:** *clientaddr* **Host IP address:** *hostaddr* **Program:** *X'prognum'* **Version:** *X'versnum'* **Procedure:** *X'procnum'* **Protocol:** *protocol* **Port:** *port* **Socket:** *socket***.**

Explanation: The alias transaction is defined as remote, but aliases must run in the same CICS region as CICS ONC RPC.

System Action: A system dump is taken. An **svcerr_systemerr** call is used to send a reply to the client. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Define the alias as a local transaction.

Destination: CRPO

Module: DFHRPMS

XMEOUT Parameters: *date, time, applid, tranid, alias_tranid, clientaddr, hostaddr, X'prognum', X'versnum', X'procnum', protocol, port, socket*

DFHRP0689 *date time applid tranid* **The CICS ONC RPC server controller tried to start alias transaction** *alias-tranid***, but the surrogate user security check failed. Client IP address:** *clientaddr* **Host IP address:** *hostaddr* **Program:** *X'prognum'* **Version:** *X'versnum'* **Procedure:** *X'procnum'* **Protocol:** *protocol* **Port:** *port* **Socket:** *socket***.**

Explanation: An attempt by a user ID to access an alias transaction failed because of a security check. This may not be an error as you may wish to prevent the client involved from accessing the alias transaction.

System Action: An **svcerr_auth** call with a why-value of AUTH_TOOWEAK is used to send a reply to the client.

User Response: If you wish the user ID to access the alias, reenable CICS ONC RPC with a different value for CRPM Userid, or alter your surrogate user ID tables.

Destination: CRPO

Module: DFHRPMS

XMEOUT Parameters: *date, time, applid, tranid, alias-tranid, clientaddr, hostaddr, X'prognum', X'versnum', X'procnum', protocol, port, socket*

DFHRP0690 *date time applid tranid* **The CICS ONC RPC server controller received an unexpected response from CICS while starting alias transaction** *alias-tranid***. Client IP address:** *clientaddr* **Host IP address:** *hostaddr* **Program:** *X'prognum'* **Version:** *X'versnum'* **Procedure:** *X'procnum'* **Protocol:** *protocol* **Port:** *port* **Socket:** *socket***.**

Explanation: A client request has failed because of an error in CICS.

System Action: A system dump is taken. An **svcerr_systemerr** call is used to send a reply to the client. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: See the associated diagnostics issued by CICS for problem determination.

Destination: CRPO

Module: DFHRPMS

XMEOUT Parameters: *date, time, applid, tranid, alias-tranid, clientaddr, hostaddr, X'prognum', X'versnum', X'procnum', protocol, port, socket*

DFHRP0691 *date time applid tranid* **The CICS ONC RPC server controller found that the user ID attempting to access alias transaction** *alias-tranid* **is not known to the external security manager. Client IP address:** *clientaddr* **Host IP address:** *hostaddr* **Program:** *X'prognum'* **Version:** *X'versnum'* **Procedure:** *X'procnum'* **Protocol:** *protocol* **Port:** *port* **Socket:** *socket***.**

Explanation: The server controller could not start the alias with the user ID because the user ID is not known to the external security manager.

System Action: An **svcerr_auth** call with a why-value of AUTH_TOOWEAK is used to send a reply to the client.

User Response: If you wish the alias to run under this user ID, define the userid to the external security manager, and change your surrogate user ID tables.

Destination: CRPO

Module: DFHRPMS

XMEOUT Parameters: *date, time, applid, tranid, alias-tranid, clientaddr, hostaddr, X'prognum', X'versnum', X'procnum', protocol, port, socket*

DFHRP0692 *date time applid tranid* **The CICS ONC RPC server controller found that the external security manager cannot validate the user ID for alias transaction** *alias-tranid***. Client IP address:** *clientaddr* **Host IP address:** *hostaddr* **Program:** *X'prognum'* **Version:** *X'versnum'* **Procedure:** *X'procnum'* **Protocol:** *protocol* **Port:** *port* **Socket:** *socket***.**

Explanation: An attempt to start the alias with an alias user ID failed as the external security manager cannot determine whether the user ID is valid.

System Action: An **svcerr_systemerr** call is used to send a reply to the client.

User Response: Determine the reason why the external security manager was unable to perform the request.

Destination: CRPO

Module: DFHRPMS

XMEOUT Parameters: *date, time, applid, tranid, alias-tranid, clientaddr, hostaddr, X'prognum', X'versnum', X'procnum', protocol, port, socket*

DFHRP0694 *date time applid tranid* **The CICS ONC RPC server controller could not start alias transaction** *alias_tranid* **because it is not defined. Client IP address:** *clientaddr* **Host IP address:** *hostaddr* **Program:** *X'prognum'* **Version:** *X'versnum'* **Procedure:** *X'procnum'* **Protocol:** *protocol* **Port:** *port* **Socket:** *socket***.**

Explanation: The alias transaction *alias_tranid* is missing or is not correctly defined.

System Action: An **svcerr_systemerr** call is used to send a reply to the client.

User Response: Define the alias transaction correctly, or change the definitions of the 4-tuples that refer to it.

Destination: CRPO

Module: DFHRPMS

XMEOUT Parameters: *date, time, applid, tranid, alias_tranid, clientaddr, hostaddr, X'prognum', X'versnum', X'procnum', protocol, port, socket*

DFHRP0697 *date time applid tranid* **The CICS ONC RPC server controller has started exception disable of CICS ONC RPC. Host IP address:** *hostaddr***.**

Explanation: The server controller has started an exception disable of CICS ONC RPC following an error during its operation. The error has already been reported.

System Action: Disable processing continues.

User Response: See the associated diagnostics for further information about the error.

Destination: CRPO

Module: DFHRPMS

XMEOUT Parameters: *date, time, applid, tranid, hostaddr*

DFHRP0723 *date time applid tranid* **The CICS ONC RPC server controller has detected an error when attempting to shut down the RPC caller.**

Explanation: During CICS ONC RPC disable processing, the server controller shuts down the RPC Caller, but received an error response.

System Action: Disable processing continues.

User Response: If message DFHRP0002 was issued to the console, the explanation of that message might contain more information. If the problem is not a symptom of a wider problem, you need further assistance from IBM to resolve this problem. See the *CICS External Interfaces Guide* and Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CRPO

Module: DFHRPMS

XMEOUT Parameters: *date, time, applid, tranid*

DFHRP0724 *date time applid tranid* **The CICS ONC RPC server controller has detected an error when attempting to issue a FREEMAIN for the RPC caller program.**

Explanation: During CICS ONC RPC disable processing, the server controller issues a FREEMAIN for the RPC caller program to remove it from storage, but received an error response. This could either be as a result of problems with CICS which will probably be reflected in CICS diagnostics, or as a result of problems with CICS ONC RPC, which will probably be reflected in other CICS ONC RPC diagnostics.

System Action: Disable processing continues.

User Response: It might not be possible to reenable CICS ONC RPC without restarting CICS. If the problem is not a symptom of a wider problem, you need further assistance from IBM to resolve this problem. See the *CICS External Interfaces Guide* and Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CRPO

Module: DFHRPMS

XMEOUT Parameters: *date, time, applid, tranid*

DFHRP0725 *date time applid tranid* **The CICS ONC RPC server controller has detected an error when attempting to issue a RELEASE for the alias list program.**

Explanation: During CICS ONC RPC disable processing, the server controller releases the alias list program, but received an error response.

System Action: Disable processing continues.

User Response: It might not be possible to reenable CICS ONC RPC without restarting CICS. If this error is not associated with others, you need further assistance from IBM to resolve this problem. See the *CICS External Interfaces Guide* and Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CRPO

Module: DFHRPMS

XMEOUT Parameters: *date, time, applid, tranid*

DFHRP0726 *date time applid tranid* **During disable processing, the CICS ONC RPC server controller found that the task-related user exit was already disabled.**

Explanation: During disable processing, the server controller found that the task-related user exit was already disabled or that it has not been defined as an exit. This is probably the result of operator intervention.

System Action: Disable processing continues.

User Response: Take steps to prevent operator interference with the task-related user exit.

Destination: CRPO

Module: DFHRPMS

XMEOUT Parameters: *date, time, applid, tranid*

DFHRP0727 *date time applid tranid* **During disable processing, the CICS ONC RPC server controller found that the task-related user exit is in use by another task.**

Explanation: During disable processing, the server controller found that the task-related user exit is currently invoked by another task. This may be a temporary condition, or it may be that the task related user exit has already been disabled.

System Action: Disable processing continues.

User Response: Investigate whether the operator has disabled the task related user exit DFHRPTRU for any reason.

Destination: CRPO

Module: DFHRPMS

XMEOUT Parameters: *date, time, applid, tranid*

DFHRP0728 *date time applid tranid* **The CICS ONC RPC server controller received an unexpected response from CICS while disabling the task-related user exit.**

Explanation: An error occurred in CICS when the server controller tried to disable the task-related user exit during CICS ONC RPC disable processing.

System Action: A system dump is taken. Disable processing continues. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: See the associated diagnostics issued by CICS for problem determination.

Destination: CRPO

Module: DFHRPMS

XMEOUT Parameters: *date, time, applid, tranid*

DFHRP0729 *date time applid tranid* **The CICS ONC RPC server controller has detected an internal error during disable processing.**

Explanation: CICS ONC RPC has detected an internal error during disable processing.

System Action: Disable processing continues.

User Response: If the problem is not a symptom of a wider problem, you need further assistance from IBM to resolve this problem. See the *CICS External Interfaces Guide* and Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CRPO

Module: DFHRPMS

XMEOUT Parameters: *date, time, applid, tranid*

DFHRP0730 *date time applid tranid* **The CICS ONC RPC server controller does not have authorization to access the task-related user exit.**

Explanation: During disable processing, the server controller found that it did not have the authorization to access the task-related user exit. This problem arises if the supplied definitions of the server controller are changed. Changes to these definitions are not allowed.

System Action: Disable processing continues.

User Response: Ensure that the supplied definitions for the server controller are used, and reenable CICS ONC RPC.

Destination: CRPO

Module: DFHRPMS

XMEOUT Parameters: *date, time, applid, tranid*

DFHRP0731 *date time applid tranid* **The CICS ONC RPC server controller has detected an internal error during disable processing.**

Explanation: CICS ONC RPC has detected an internal error during disable processing.

System Action: Disable processing continues.

User Response: If the problem is not a symptom of a wider problem, you need further assistance from IBM to resolve this problem. See the *CICS External Interfaces Guide* and Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CRPO

Module: DFHRPMS

XMEOUT Parameters: *date, time, applid, tranid*

DFHRP0732 *date time applid tranid* **The CICS ONC RPC server controller has detected an internal error during disable processing.**

Explanation: During disable processing, the server controller attempted to unregister for problem determination, but received an error response.

System Action: Disable processing continues.

User Response: If the problem is not a symptom of a wider problem, you need further assistance from IBM to resolve this

problem. See the *CICS External Interfaces Guide* and Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CRPO

Module: DFHRPMS

XMEOUT Parameters: *date, time, applid, tranid*

DFHRP0735 *date time applid tranid* **The CICS ONC RPC server controller HANDLE ABEND code was entered as a result of an error in the Decode function in converter** *converter_program_name***. Client IP address:** *clientaddr* **Host IP address:** *hostaddr* **Program:** *X'prognum'* **Version:** *X'versnum'* **Procedure:** *X'procnum'* **Protocol:** *protocol* **Port:** *port* **Socket:** *socket***.**

Explanation: An error has occurred in **Decode** in converter *converter_program_name*. Because the converter does not contain HANDLE ABEND logic, the error has percolated to the server controller.

System Action: An **svcerr_systemerr** call is used to send a reply to the client.

User Response: Correct the error in the converter. Add handle abend logic to the converter so that it can handle its own errors, and replace it.

Destination: CRPO

Module: DFHRPMS

XMEOUT Parameters: *date, time, applid, tranid, converter_program_name, clientaddr, hostaddr, X'prognum', X'versnum', X'procnum', protocol, port, socket*

DFHRP0736 *date time applid tranid* **The CICS ONC RPC server controller has encountered an internal error while processing a client request. Client IP address:** *clientaddr* **Host IP address:** *hostaddr* **Program:** *X'prognum'* **Version:** *X'versnum'* **Procedure:** *X'procnum'* **Protocol:** *protocol* **Port:** *port* **Socket:** *socket***.**

Explanation: An internal error has forced CICS ONC RPC to abandon a client request.

System Action: A system dump is taken. An **svcerr_systemerr** call is used to send a reply to the client. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: You need further assistance from IBM to resolve this problem. See the *CICS External Interfaces Guide* and Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed. Report the details of the symptom string given in message DFHME0116.

Destination: CRPO

Module: DFHRPMS

XMEOUT Parameters: *date, time, applid, tranid, clientaddr, hostaddr, X'prognum', X'versnum', X'procnum', protocol, port, socket*

DFHRP0737 *date time applid tranid* **The CICS ONC RPC server controller has encountered an internal error. Host IP address:** *hostaddr***.**

Explanation: The server controller has encountered an internal error and cannot continue.

System Action: A system dump is taken. CICS ONC RPC is disabled. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: You need further assistance from IBM to resolve this problem. See the *CICS External Interfaces Guide* and Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed. Report the details of the symptom string given in message DFHME0116.

Destination: CRPO

Module: DFHRPMS

XMEOUT Parameters: *date, time, applid, tranid, hostaddr*

DFHRP0741 *date time applid tranid* **The CICS ONC RPC server controller is abending with abend code ARP4.**

Explanation: The server controller encountered an error and cannot continue.

System Action: CICS ONC RPC is disabled. CICS ONC RPC has already issued other diagnostics giving further information about the error. The server controller abends with abend code ARP4.

User Response: See the associated diagnostics and the description of abend code ARP4 for further guidance.

Destination: CRPO

Module: DFHRPMS

XMEOUT Parameters: *date, time, applid, tranid*

DFHRP0746 *date time applid tranid* **The CICS ONC RPC server controller is abending with abend code ARP2.**

Explanation: The server controller encountered an error and cannot continue.

System Action: The server controller abends with abend code ARP2. CICS ONC RPC is disabled.

User Response: See the associated diagnostics and the description of abend code ARP2 for further guidance.

Destination: CRPO

Module: DFHRPMS

XMEOUT Parameters: *date, time, applid, tranid*

DFHRP0747 *date time applid tranid* **The CICS ONC RPC server controller is abending with abend code ARP2.**

Explanation: The server controller has encountered an error and cannot continue.

System Action: The server controller abends with abend code ARP2. CICS ONC RPC is disabled.

User Response: See the associated diagnostics and the description of abend code ARP2 for further guidance.

Destination: CRPO

Module: DFHRPMS

XMEOUT Parameters: *date, time, applid, tranid*

DFHRP0749 *date time applid tranid* **The CICS ONC RPC server controller has encountered an internal error when no client request was being processed. Host IP address:** *hostaddr***.**

Explanation: An internal error has occurred in the server controller. No client requests are affected.

System Action: A system dump is taken. The server controller continues. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: You need further assistance from IBM to resolve this problem. See the *CICS External Interfaces Guide* and Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed. Report the details of the symptom string given in message DFHME0116.

Destination: CRPO

Module: DFHRPMS

XMEOUT Parameters: *date, time, applid, tranid, hostaddr*

DFHRP1000 *date time applid* **The CICS ONC RPC RPC caller is initializing.**

Explanation: The server controller has started initialization of the RPC caller.

System Action: Processing continues.

User Response: None.

Destination: CRPO

Module: DFHRPRP

XMEOUT Parameters: *date, time, applid*

DFHRP1001 *date time applid* **The CICS ONC RPC RPC caller has been initialized successfully.**

Explanation: The RPC caller has been initialized, and it is now ready for use.

System Action: Processing continues.

User Response: None.

Destination: CRPO

Module: DFHRPRP

XMEOUT Parameters: *date, time, applid*

DFHRP1002 *date time applid* **The CICS ONC RPC RPC caller is shutting down.**

Explanation: Termination of the RPC caller has started.

System Action: Processing continues.

User Response: None.

Destination: CRPO

Module: DFHRPRP

XMEOUT Parameters: *date, time, applid*

DFHRP1003 *date time applid* **The CICS ONC RPC RPC caller has successfully shutdown.**

Explanation: Termination of the RPC caller has completed.

System Action: Processing continues.

User Response: None.

Destination: CRPO

Module: DFHRPRP

XMEOUT Parameters: *date, time, applid*

DFHRP1500 *date time applid tranid* **Invalid data has been entered in field** *fieldname***.**

Explanation: Invalid data was entered on a connection manager panel in field *fieldname*.

System Action: The panel is redisplayed and the field in error is highlighted.

User Response: Enter valid data in the field indicated. See the *CICS External Interfaces Guide* for further guidance.

Destination: Terminal End User

Modules: DFHRPC06, DFHRPC10, DFHRPC0A, DFHRPC1B

DFHRP1501 *date time applid tranid* **The value entered in field** *fieldname* **exceeds the maximum allowed.**

Explanation: The value entered on a connection manager panel in field *fieldname* exceeds the maximum allowed.

System Action: The panel is redisplayed and the field in error is highlighted.

User Response: Enter valid data in the field indicated. See the *CICS External Interfaces Guide* for further guidance.

Destination: Terminal End User

Module: DFHRPC0B

DFHRP1505 *date time applid tranid* **The CICS ONC RPC connection manager has not been started correctly.**

Explanation: The connection manager has been started from a non-BMS terminal but is not being used to enable or disable CICS ONC RPC.

System Action: The connection manager terminates.

User Response: The connection manager can be used as follows from a non-BMS terminal:

- If CICS ONC RPC is disabled, the connection manager can be used for automatic enable, either by setting automatic enable to YES on the CICS ONC RPC data set or by entering a fast path command with YES for automatic enable.
- If CICS ONC RPC is enabled, the connection manager can be used for disable by entering a valid disable fast path command.

See the *CICS External Interfaces Guide* for guidance on how to start the connection manager.

Destination: CRPO

Module: DFHRPC01

XMEOUT Parameters: *date, time, applid, tranid*

DFHRP1506 *date time applid tranid* **The CICS ONC RPC connection manager detected an error attempting to retrieve any fast path data. EIBRESP:** *eibresp***.**

Explanation: The connection manager was attempting to retrieve any fast path commands that may have been specified when it was initiated. The connection manager issued an EXEC CICS GETMAIN command, but received the response *eibresp*.

System Action: A system dump is taken. The connection manager continues but any fast path commands are ignored. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: You need further assistance from IBM to resolve this problem. See the *CICS External Interfaces Guide* and Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed. Report the details of the symptom string given in message DFHME0116.

Destination: CRPO

Module: DFHRPC01

XMEOUT Parameters: *date, time, applid, tranid, eibresp*

DFHRP1507 *date time applid tranid* **An invalid CICS ONC RPC fast path command has been entered:** *fastpath_command*

Explanation: The connection manager was started by entering a fast path command, but the format of the command was invalid.

System Action: The connection manager is started, but fast path commands are ignored.

User Response: Enter a valid fast path command. See the *CICS External Interfaces Guide* for further guidance.

Destination: CRPO

Module: DFHRPC01

XMEOUT Parameters: *date, time, applid, tranid, fastpath_command*

DFHRP1508 *date time applid tranid* **The CICS ONC RPC connection manager has not been started correctly.**

Explanation: The connection manager was attempting to retrieve any fast path commands that may have been specified when it was initiated, but detected an invalid STARTCODE indicator.

System Action: The connection manager continues but any fast path commands are ignored.

User Response: See the *CICS External Interfaces Guide* for guidance on how to start the connection manager. If the connection manager was started correctly, you need further assistance from IBM to resolve this problem. See the *CICS External Interfaces Guide* and Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CRPO

Module: DFHRPC01

XMEOUT Parameters: *date, time, applid, tranid*

DFHRP1509 *date time applid tranid* **The CICS ONC RPC connection manager detected an error attempting to retrieve any fast path data. EIBRESP:** *eibresp***.**

Explanation: The connection manager was attempting to retrieve any fast path commands that may have been specified when it was initiated using an EXEC CICS START command. The connection manager issued an EXEC CICS RETRIEVE command, but received the response *eibresp*.

System Action: A system dump is taken. The connection manager continues but any fast path commands are ignored. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: You need further assistance from IBM to resolve this problem. See the *CICS External Interfaces Guide* and Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed. Report the details of the symptom string given in message DFHME0116.

Destination: CRPO

Module: DFHRPC01

XMEOUT Parameters: *date, time, applid, tranid, eibresp*

DFHRP1510 *date time applid tranid* **The CICS ONC RPC connection manager detected an error while accessing the CICS ONC RPC data set, CICS file** *filename***. EIBRESP:** *eibresp***.**

Explanation: The connection manager could not access the CICS ONC RPC data set, CICS file *filename*. An EXEC CICS READ was issued, but received the response *eibresp*. The data set has not been correctly defined to CICS for one of the following reasons:

- No file definition has been found for *filename*. CICS ONC RPC has therefore not been installed correctly.
- READ operations are not allowed on the file.
- The file is DISABLED, either due to an incorrect file definition, or due to operator intervention.
- The file cannot be opened because it has not been defined correctly, or because it has been closed by operator intervention.
- The connection manager transaction, or the user running it, does not have the necessary level of authority to access the file.

System Action: The requested operation is not performed.

User Response: Use Appendix A of the *Application Programming Reference* manual to find out what the EIBRESP value means, and take appropriate action.

Destination: CRPO

Module: DFHRPC09

XMEOUT Parameters: *date, time, applid, tranid, filename, eibresp*

DFHRP1511 *date time applid tranid* **The CICS ONC RPC connection manager has detected a logic error accessing the CICS ONC RPC data set, CICS file** *filename***.**

Explanation: The connection manager received an unexpected error when accessing the CICS ONC RPC data set, CICS file *filename*. This is a logic error. The connection manager has received an unexpected response from CICS following an EXEC CICS command.

System Action: A system dump is taken. The requested operation is not performed. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: You need further assistance from IBM to resolve this problem. See the *CICS External Interfaces Guide* and Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed. Report the details of the symptom string given in message DFHME0116.

Destination: CRPO

Module: DFHRPC09

XMEOUT Parameters: *date, time, applid, tranid, filename*

DFHRP1512 *date time applid tranid* **The CICS ONC RPC connection manager cannot access the CICS ONC RPC data set, CICS file** *filename***.**

Explanation: The connection manager could not access the CICS ONC RPC data set, CICS file *filename*. The data set has not been correctly defined to CICS for one of the following reasons:

- No file definition has been found for *filename*. CICS ONC RPC has therefore not been installed correctly.
- READ operations are not allowed on the file.
- The file has been disabled, either due to an incorrect data set definition, or due to operator intervention.
- The file cannot be opened because it has not been defined correctly, or because it has been closed by operator intervention.
- The connection manager transaction, or the user running the connection manager, does not have the necessary level of authority to access the file.

System Action: The message is displayed at the terminal.

User Response: Ensure that all the CEDA groups for CICS ONC RPC have been installed correctly.

Investigate whether the operator has changed the status of the file for any reason.

Destination: CRPO

Module: DFHRPC01

XMEOUT Parameters: *date, time, applid, tranid, filename*

DFHRP1513 *date time applid tranid* **The CICS ONC RPC connection manager has detected invalid data in the definition record of the CICS ONC RPC data set, CICS file** *filename***.**

Explanation: The connection manager detected an error in the definition record in the CICS ONC RPC data set.

System Action: A system dump is taken. CICS ONC RPC is disabled. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Ensure that the first record in the data set has been correctly initialized. You can do this by manually updating the record (see the *CICS External Interfaces Guide* for further guidance), or by deleting the first record in the data set, and rerunning the connection manager. This creates a new definition record using the default settings which can then be updated using the connection manager panels.

Destination: CRPO

Module: DFHRPC01

XMEOUT Parameters: *date, time, applid, tranid, filename*

DFHRP1514 *date time applid tranid* **The CICS ONC RPC connection manager has detected that the CICS ONC RPC global work area does not have the expected length.**

Explanation: The connection manager detected that the length of the associated global work area is not correct.

System Action: A system dump is taken. CICS ONC RPC is disabled. It is not possible to enable CICS ONC RPC until the problem is resolved. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Make sure that no user-written version of program DFHRPTRU is being used. Only the CICS ONC RPC supplied program can be used with CICS ONC RPC. Similarly, the CICS ONC RPC supplied task-related user exit DFHRPTRU should only be enabled and disabled by the connection manager. It should not be necessary to enable or disable DFHRPTRU in any other way.

Destination: CRPO

Module: DFHRPC01

XMEOUT Parameters: *date, time, applid, tranid*

DFHRP1515 *date time applid tranid* **The CICS ONC RPC connection manager detected an error while accessing the CICS ONC RPC data set, CICS file** *filename***. EIBRESP:** *eibresp***.**

Explanation: The connection manager could not access the CICS ONC RPC data set, CICS file *filename*. An EXEC CICS READ was issued, but received the response *eibresp*. The error can occur for one of the following reasons:

- The file is defined as remote, and there is an error on the connection to the owning system.
- VSAM has returned an unexpected response to CICS.
- An I/O error occurred on the READ.

System Action: A system dump is taken. The requested operation is not performed. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Use Appendix A of the *Application Programming Reference* manual to find out what the EIBRESP value means, and take appropriate action.

Destination: CRPO

Module: DFHRPC09

XMEOUT Parameters: *date, time, applid, tranid, filename, eibresp*

DFHRP1516 *date time applid tranid* **The CICS ONC RPC connection manager cannot access the feature definition record in the CICS ONC RPC data set, CICS file** *filename***.**

Explanation: The connection manager found that the CICS ONC RPC definition record is missing from the CICS ONC RPC data set, CICS file *filename*, while processing a request to update this record.

System Action: A system dump is taken. The connection manager panel is redisplayed. The CICS ONC RPC definition record cannot be updated. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Investigate the reason why this record does not exist. You must create a new CICS ONC RPC definition record with the connection manager.

Destination: CRPO

Module: DFHRPC09

XMEOUT Parameters: *date, time, applid, tranid, filename*

DFHRP1518 *date time applid tranid* **The CICS ONC RPC connection manager cannot find the global work area.**

Explanation: The connection manager cannot access its global work area.

System Action: A system dump is taken. The connection manager continues, but CICS ONC RPC cannot be enabled. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: End the connection manager. Ensure that all the CEDA groups containing the CICS ONC RPC definitions have been correctly installed. Then try running the connection manager again.

Investigate whether the operator has disabled the task-related user exit DFHRPTRU.

Destination: CRPO

Module: DFHRPC01

XMEOUT Parameters: *date, time, applid, tranid*

DFHRP1519 *date time applid tranid* **The CICS ONC RPC connection manager cannot find the task-related user exit.**

Explanation: The connection manager cannot access its task-related user exit for one of the following reasons:

- DFHRPTRU has not been defined to CICS
- DFHRPTRU is not in the CICS load library
- DFHRPTRU has been disabled

System Action: A system dump is taken. CICS ONC RPC is disabled. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: End the connection manager. Ensure that all the CEDA groups containing CICS ONC RPC definitions have been installed correctly. Then try running the connection manager again.

If CICS ONC RPC has been correctly installed, check that the operator has not disabled DFHRPTRU.

Destination: CRPO

Module: DFHRPC01

XMEOUT Parameters: *date, time, applid, tranid*

DFHRP1520 *date time applid tranid* **The CICS ONC RPC connection manager is not authorized to access its task related user exit. EIBRESP2:** *eibresp2***.**

Explanation: The connection manager used EXEC CICS EXTRACT EXIT to find the task-related user exit, but got a NOTAUTH response.

System Action: A system dump is taken. CICS ONC RPC is disabled. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Use the EIBRESP2 value to identify the problem.

Destination: CRPO

Module: DFHRPC01

XMEOUT Parameters: *date, time, applid, tranid, eibresp2*

DFHRP1521 *date time applid tranid* **The CICS ONC RPC connection manager cannot access its task related user exit.**

Explanation: The connection manager cannot access the task related user exit. It received an unexpected response to an EXEC CICS EXTRACT EXIT call.

System Action: A system dump is taken. CICS ONC RPC is disabled. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: You need further assistance from IBM to resolve this problem. See the *CICS External Interfaces Guide* and Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed. Report the details of the symptom string given in message DFHME0116.

Destination: CRPO

Module: DFHRPC01

XMEOUT Parameters: *date, time, applid, tranid*

DFHRP1522 *date time applid tranid* **The CICS ONC RPC connection manager has been started against an invalid terminal.**

Explanation: The connection manager has been started against a terminal that is not supported, for example, an LUTYPE6 terminal.

System Action: The connection manager abends with abend code ARPX.

User Response: Start the connection manager against a valid terminal. See the *CICS External Interfaces Guide* for further guidance on starting the connection manager.

Destination: CRPO

Module: DFHRPC01

XMEOUT Parameters: *date, time, applid, tranid*

DFHRP1523 *date time applid tranid* **CICS ONC RPC cannot be enabled because the connection manager cannot access the task-related user exit DFHRPTRU.**

Explanation: The connection manager could not enable CICS ONC RPC because an error occurred accessing the task related user exit DFHRPTRU.

System Action: A system dump is taken. This instance of connection manager can only be used to inquire on, or update the CICS ONC RPC data set. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response:

See the CRPO transient data queue for messages indicating the nature of the error, and take the appropriate action. Then restart the connection manager transaction and select the enable option again.

Destination: CRPO

Module: DFHRPC01

XMEOUT Parameters: *date, time, applid, tranid*

DFHRP1524 *date time applid tranid* **CICS ONC RPC cannot be enabled because the server controller is already running.**

Explanation: The connection manager detected that the task-related user exit DFHRPTRU is disabled, but the server controller transaction is still running.

System Action: A system dump is taken. This instance of connection manager can only be used to inquire on, or update, the CICS ONC RPC data set. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Investigate why the last attempt to disable CICS ONC RPC did not complete successfully. Investigate the possibility of operator intervention.

Once you have established that it is safe to continue, use CEMT SET TASK or EXEC CICS SET TASK to purge the server controller. Then run the connection manager again to enable CICS ONC RPC.

Destination: CRPO

Module: DFHRPC01

XMEOUT Parameters: *date, time, applid, tranid*

DFHRP1525 *date time applid tranid* **The CICS ONC RPC connection manager received an unexpected response from CICS.**

Explanation: The connection manager detected a logic error. It received an unexpected response to a CICS command.

System Action: A system dump is taken. Processing continues. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: You need further assistance from IBM to resolve this problem. See the *CICS External Interfaces Guide* and Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed. Report the details of the symptom string given in message DFHME0116.

Destination: CRPO

Module: DFHRPC01

XMEOUT Parameters: *date, time, applid, tranid*

DFHRP1526 *date time applid tranid* **The CICS ONC RPC connection manager found that the task-related user exit is enabled, but the server controller is not running.**

Explanation: The connection manager has detected that the task-related user exit DFHRPTRU is enabled, but the server controller is not running. This means that CICS ONC RPC is in an indeterminate state.

System Action: This instance of connection manager can only be used to inquire on, or update, the CICS ONC RPC data set.

User Response: Investigate whether the previous attempt to disable CICS ONC RPC completed successfully. Alternatively, the server controller task may have been forcepurged by the operator.

Once you have established that it is safe to continue, try running the connection manager again and enabling CICS ONC RPC.

Destination: CRPO

Module: DFHRPC01

XMEOUT Parameters: *date, time, applid, tranid*

DFHRP1527 *date time applid tranid* **CICS ONC RPC cannot be enabled because disable processing has not completed.**

Explanation: CICS ONC RPC is being disabled.

System Action: The current instance of CICS ONC RPC is disabled.

User Response: Wait for disable to complete before attempting to enable the CICS ONC RPC again.

Destination: CRPO and Terminal End User

Module: DFHRPC4C

XMEOUT Parameters: *date, time, applid, tranid*

DFHRP1528 *date time applid tranid* **The CICS ONC RPC connection manager detected an error while initializing the RPC caller component during CICS ONC RPC enable processing.**

Explanation: The RPC caller could not be started.

System Action: The enable attempt is abandoned.

User Response: If message DFHRP0002 was issued to the console, the explanation of that message might contain more information. You need further assistance from IBM to resolve this problem. See the *CICS External Interfaces Guide* and Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CRPO and Terminal End User

Module: DFHRPC4C

XMEOUT Parameters: *date, time, applid, tranid*

DFHRP1529 *date time applid tranid* **The CICS ONC RPC connection manager detected an error in enable processing. Host IP address** *hostaddr***.**

Explanation: The connection manager discovered a storage problem while trying to enable CICS ONC RPC.

System Action: A system dump is taken. The enable attempt is abandoned. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: See the associated diagnostics issued by CICS for problem determination.

See the *CICS Problem Determination Guide* for guidance on dealing with storage problems.

Destination: CRPO and Terminal End User

Module: DFHRPC4C

XMEOUT Parameters: *date, time, applid, tranid, hostaddr*

DFHRP1530 *date time applid tranid* **The CICS ONC RPC connection manager detected a CICS short on storage condition during initialization of the RPC caller component. Host IP address** *hostaddr***.**

Explanation: The connection manager detected a short on storage condition.

System Action: The enable attempt is abandoned.

User Response: See the associated diagnostics issued by CICS for problem determination. See the *CICS Problem Determination Guide* for guidance on dealing with storage problems.

When the short on storage problem has been resolved, try to enable CICS ONC RPC again.

Destination: CRPO and Terminal End User

Module: DFHRPC4C

XMEOUT Parameters: *date, time, applid, tranid, hostaddr*

DFHRP1531 *date time applid tranid* **The CICS ONC RPC connection manager detected an error while accessing the CICS ONC RPC data set, CICS file** *filename***. EIBRESP:** *eibresp***.**

Explanation: The connection manager could not access the CICS ONC RPC data set, CICS file *filename*. An EXEC CICS WRITE was issued, but received the response *eibresp*. The error can occur for one of the following reasons:

- No file definition has been found for the file, implying that CICS ONC RPC has not been installed correctly.
- Write operations are not allowed, implying that CICS ONC RPC has not been installed correctly.
- The file is DISABLED, either due to an incorrect file definition, or due to operator intervention.
- The file is NOTOPEN, either due to an incorrect file definition or due to operator intervention.
- Write operations are not authorized, implying that security has not been set up correctly.

System Action: The requested operation is not performed.

User Response: Use Appendix A of the *Application Programming Reference* manual to find out what the EIBRESP value means, and take appropriate action.

Destination: CRPO

Module: DFHRPC09

XMEOUT Parameters: *date, time, applid, tranid, filename, eibresp*

DFHRP1532 *date time applid tranid* **The CICS ONC RPC connection manager detected an error while accessing the CICS ONC RPC data set, CICS file** *filename***. EIBRESP:** *eibresp***.**

Explanation: The connection manager could not access the CICS ONC RPC data set, CICS file *filename*. An EXEC CICS WRITE was issued, but received the response *eibresp*. The error can occur for one of the following reasons:

- The file is defined as remote, and there is an error on the connection to the owning system.
- VSAM has returned an unexpected response to CICS.
- An I/O error occurred on the WRITE.
- There is insufficient space available on the DASD device containing the data set.

System Action: A system dump is taken. The requested operation is not performed. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Use Appendix A of the *Application Programming Reference* manual to find out what the EIBRESP value means, and take appropriate action.

Destination: CRPO

Module: DFHRPC09

XMEOUT Parameters: *date, time, applid, tranid, filename, eibresp*

DFHRP1533 *date time applid tranid* **The CICS ONC RPC connection manager has detected a logic error while accessing the CICS ONC RPC data set, CICS file** *filename***.**

Explanation: The connection manager used EXEC CICS WRITE to update the CICS ONC RPC data set, but received an unexpected response. This is a logic error.

System Action: A system dump is taken. The requested operation is not performed. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: You need further assistance from IBM to resolve this problem. See the *CICS External Interfaces Guide* and Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed. Report the details of the symptom string given in message DFHME0116.

Destination: CRPO

Module: DFHRPC09

XMEOUT Parameters: *date, time, applid, tranid, filename*

DFHRP1534 *date time applid tranid* **The CICS ONC RPC connection manager detected an error while accessing the CICS ONC RPC data set, CICS file** *filename***. EIBRESP:** *eibresp***.**

Explanation: The connection manager could not access the CICS ONC RPC data set, CICS file *filename*. An EXEC CICS WRITE was issued, but received the response *eibresp*. The error can occur for one of the following reasons:

- The file is defined as remote, and there is an error on the connection to the owning system.
- VSAM has returned an unexpected response to CICS.
- An I/O error occurred on the WRITE.
- There is insufficient space available on the DASD device containing this file.

System Action: A system dump is taken. The 4-tuple definition is not saved in the data set. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Use Appendix A of the *Application Programming Reference* manual to find out what the EIBRESP value means, and take appropriate action.

Destination: CRPO

Module: DFHRPC09

XMEOUT Parameters: *date, time, applid, tranid, filename, eibresp*

DFHRP1536 *date time applid tranid* **There was no entry for this 4-tuple in the CICS ONC RPC data set, CICS file** *filename***.**

Explanation: The connection manager did not find this 4-tuple in the CICS ONC RPC data set.

System Action: None.

User Response: Enter a 4-tuple that has already been saved in the data set.

Destination: Terminal End User

Module: DFHRPC09

DFHRP1537 *date time applid tranid* **The CICS ONC RPC connection manager detected an internal error while registering 4-tuples from the CICS ONC RPC data set, CICS file** *filename***.**

Explanation: The connection manager detected an internal error while processing a request to register 4-tuples from the CICS ONC RPC data set.

System Action: A system dump is taken. No 4-tuples are registered. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: You need further assistance from IBM to resolve this problem. See the *CICS External Interfaces Guide* and Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed. Report the details of the symptom string given in message DFHME0116.

Destination: CRPO

Module: DFHRPC09

XMEOUT Parameters: *date, time, applid, tranid, filename*

DFHRP1538 *date time applid tranid* **The CICS ONC RPC connection manager found no records on the CICS ONC RPC data set, CICS file** *filename***.**

Explanation: The connection manager was processing a request to register 4-tuples, but found no records on the CICS ONC RPC data set. The CICS ONC RPC definition record is missing.

System Action: A system dump is taken. No 4-tuples are registered. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Investigate the reason why there are no records. You must use the connection manager to create a new one.

Destination: CRPO

Module: DFHRPC09

XMEOUT Parameters: *date, time, applid, tranid, filename*

DFHRP1539 *date time applid tranid* **The CICS ONC RPC connection manager detected an error while accessing the CICS ONC RPC data set, CICS file** *filename***, while registering 4-tuples from the data set. EIBRESP:** *eibresp***.**

Explanation: The connection manager could not access the CICS ONC RPC data set.

The error occurred while processing a request to register 4-tuples from the data set. Associated message DFHRP1545 may have been issued to indicate the number of 4-tuples that were registered.

An EXEC CICS STARTBR, EXEC CICS READNEXT, or EXEC CICS ENDBR was issued, but received the response *eibresp*. The error can occur for one of the following reasons:

- No file definition has been found for the file, implying that CICS ONC RPC has not been installed correctly.
- BROWSE or READ operations are not allowed, implying that CICS ONC RPC has not been installed correctly.
- The file is DISABLED, either due to an incorrect file definition, or due to operator intervention.
- The file is NOTOPEN, either due to an incorrect file definition, or due to operator intervention.
- BROWSE or READ operations are not authorized, implying that security has not been set up correctly.

System Action: A system dump is taken. The connection manager cannot register 4-tuples from the data set. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Use Appendix A of the *Application Programming Reference* manual to find out what the EIBRESP value means, and take appropriate action.

Destination: CRPO

Module: DFHRPC09

XMEOUT Parameters: *date, time, applid, tranid, filename, eibresp*

DFHRP1540 *date time applid tranid* **The CICS ONC RPC connection manager detected a logic error.**

Explanation: The connection manager received an unexpected response from CICS following an EXEC CICS command.

System Action: A system dump is taken. The connection manager abends with abend code ARPV. The other components of CICS ONC RPC continue. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: You need further assistance from IBM to resolve this problem. See the *CICS External Interfaces Guide* and Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed. Report the details of the symptom string given in message DFHME0116.

Destination: CRPO

Module: DFHRPC4C

XMEOUT Parameters: *date, time, applid, tranid*

DFHRP1541 *date time applid tranid* **The CICS ONC RPC connection manager detected a logic error.**

Explanation: The connection manager received an unexpected response from CICS following an EXEC CICS command.

System Action: A system dump is taken. The enable attempt is abandoned. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: You need further assistance from IBM to resolve this problem. See the *CICS External Interfaces Guide* and Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed. Report the details of the symptom string given in message DFHME0116.

Destination: CRPO

Module: DFHRPC4C

XMEOUT Parameters: *date, time, applid, tranid*

DFHRP1542 *date time applid tranid* **CICS ONC RPC detected an error while accessing the CICS ONC RPC data set, CICS file** *filename***, while registering 4-tuples from the data set. EIBRESP:** *eibresp***.**

Explanation: The connection manager could not access the CICS ONC RPC data set.

The error occurred while processing a request to register 4-tuples from the data set. Associated message DFHRP1545 may have been issued to indicate the number of 4-tuples that were registered.

An EXEC CICS STARTBR, EXEC CICS READNEXT or EXEC CICS ENDBR was issued, but received the response *eibresp*. The error can occur for one of the following reasons:

- The file is defined as remote, and there is an error on the connection to the owning system.

- VSAM has returned an unexpected response to CICS.
- An I/O error occurred on the BROWSE or READ command.

System Action: A system dump is taken. The connection manager cannot register 4-tuples from the data set. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Use Appendix A of the *Application Programming Reference* manual to find out what the EIBRESP value means, and take appropriate action. Report the details of the symptom string given in message DFHME0116.

Destination: CRPO

Module: DFHRPC09

XMEOUT Parameters: *date, time, applid, tranid, filename, eibresp*

DFHRP1543 *date time applid tranid* **The CICS ONC RPC connection manager detected a logic error while accessing the CICS ONC RPC data set, CICS file** *filename***, while registering 4-tuples from the data set.**

Explanation: The connection manager has detected an error while accessing the CICS ONC RPC data set. This is a logic error since connection manager has received an unexpected response from CICS following an EXEC CICS STARTBR, EXEC CICS READNEXT or EXEC CICS ENDBR command.

The error occurred while processing a request to register 4-tuples from the data set. Associated message DFHRP1545 may have been issued to indicate the number of 4-tuples that were registered.

System Action: A system dump is taken. The connection manager cannot register 4-tuples from the data set. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: You need further assistance from IBM to resolve this problem. See the *CICS External Interfaces Guide* and Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed. Report the details of the symptom string given in message DFHME0116.

Destination: CRPO

Module: DFHRPC09

XMEOUT Parameters: *date, time, applid, tranid, filename*

DFHRP1544 *date time applid tranid* **The CICS ONC RPC connection manager found no records in the CICS ONC RPC data set, CICS file** *filename***.**

Explanation: The connection manager was processing a request to register 4-tuples, but found no records in the CICS ONC RPC data set. This indicates that the CICS ONC RPC definition record is missing.

System Action: A system dump is taken. No 4-tuples are registered. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Investigate the reason why there are no records. You must use the connection manager to create a new CICS ONC RPC definition record.

Destination: CRPO

Module: DFHRPC09

XMEOUT Parameters: *date, time, applid, tranid, filename*

DFHRP1545 *date time applid tranid* **The CICS ONC RPC connection manager has completed registration of 4-tuples from the CICS ONC RPC data set, CICS file** *filename***. Successful registers:** *count1***. Unsuccessful registers:** *count2***.**

Explanation: The connection manager has finished registering 4-tuples from the CICS ONC RPC data set, CICS file *filename*. *count1* indicates the number of 4-tuples that have been successfully registered. *count2* indicates the number of 4-tuples that were not registered.

System Action: No further action.

User Response: No further action.

Destination: CRPO

Module: DFHRPC09

XMEOUT Parameters: *date, time, applid, tranid, filename, count1, count2*

DFHRP1546 *date time applid tranid* **The CICS ONC RPC connection manager found no 4-tuple records on the CICS ONC RPC data set, CICS file** *filename***.**

Explanation: The connection manager was processing a request to register 4-tuples from the CICS ONC RPC data, but found no 4-tuple records in it.

System Action: No 4-tuples are registered.

User Response: Store some 4-tuple definitions in the data set before requesting this option.

Destination: CRPO

Module: DFHRPC09

XMEOUT Parameters: *date, time, applid, tranid, filename*

DFHRP1547 *date time applid tranid* **The CICS ONC RPC connection manager detected an internal error while registering 4-tuples from the CICS ONC RPC data set, CICS file** *filename***.**

Explanation: The connection manager detected an internal error while processing a request to register 4-tuple from the CICS ONC RPC data set. Associated message DFHRP1545 indicates how many 4-tuples were registered.

System Action: A system dump is taken. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: You need further assistance from IBM to resolve this problem. See the *CICS External Interfaces Guide* and Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed. Report the details of the symptom string given in message DFHME0116.

Destination: CRPO

Module: DFHRPC09

XMEOUT Parameters: *date, time, applid, tranid, filename*

DFHRP1548 *date time applid tranid* **The CICS ONC RPC connection manager detected an error attempting to retrieve any fast path data. EIBRESP:** *eibresp*.

Explanation: The connection manager was attempting to retrieve any fast path commands that may have been specified when it was initiated from a terminal. The connection manager issued an EXEC CICS RECEIVE command, but received a response in field *eibresp*.

System Action: A system dump is taken. Start up of CICS ONC RPC continues but any fast path commands are ignored. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: You need further assistance from IBM to resolve this problem. See the *CICS External Interfaces Guide* and Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed. Report the details of the symptom string given in message DFHME0116.

Destination: CRPO

Module: DFHRPC01

XMEOUT Parameters: *date, time, applid, tranid, eibresp*

DFHRP1549 *date time applid tranid* **The CICS ONC RPC connection manager received an error response while registering with CICS for problem determination.**

Explanation: The connection manager received an unexpected response from CICS when attempting to register for problem determination.

System Action: A system dump is taken. CICS feature tracing and dump formatting cannot be used for CICS ONC RPC. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: You need further assistance from IBM to resolve this problem. See the *CICS External Interfaces Guide* and Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed. Report the details of the symptom string given in message DFHME0116.

Destination: CRPO

Module: DFHRPC01

XMEOUT Parameters: *date, time, applid, tranid*

DFHRP1550 *date time applid tranid* **The CICS ONC RPC connection manager received an error response while registering with CICS for problem determination.**

Explanation: The connection manager received an unexpected response from CICS when attempting to register for problem determination.

System Action: A system dump is taken. The enable attempt is abandoned. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: You need further assistance from IBM to resolve this problem. See the *CICS External Interfaces Guide* and Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed. Report the details of the symptom string given in message DFHME0116.

Destination: CRPO

Module: DFHRPC4C

XMEOUT Parameters: *date, time, applid, tranid*

DFHRP1551 *date time applid tranid* **The CICS ONC RPC connection manager could not enable CICS ONC RPC because of a CICS short on storage condition.**

Explanation: The connection manager has made a request for storage during enable processing, but has received a reply indicating that CICS is short on storage.

System Action: A system dump is taken. The enable attempt is abandoned. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: See the associated diagnostics issued by CICS for problem determination. You need further assistance from IBM to resolve this problem. See the *CICS External Interfaces Guide* and Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed. Report the details of the symptom string given in message DFHME0116.

Destination: CRPO

Module: DFHRPC4C

XMEOUT Parameters: *date, time, applid, tranid*

DFHRP1552 *date time applid tranid* **The CICS ONC RPC connection manager has detected an internal error during enable processing.**

Explanation: An internal error detected during enable processing has prevented the connection manager from enabling CICS ONC RPC.

System Action: A system dump is taken. The enable attempt is abandoned. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: You need further assistance from IBM to resolve this problem. See the *CICS External Interfaces Guide* and Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed. Report the details of the symptom string given in message DFHME0116.

Destination: CRPO

Module: DFHRPC4C

XMEOUT Parameters: *date, time, applid, tranid*

DFHRP1554 *date time applid tranid* **The CICS ONC RPC connection manager is not authorized to use the CICS SPI.**

Explanation: The connection manager has not been defined with the authorization necessary to execute CICS system programming interface commands. It cannot function without this authorization.

System Action: A system dump is taken. The enable attempt is abandoned.

User Response: Message DFHME0116 is normally produced containing the symptom string for this problem. Redefine the connection manager transaction and its associated program DFHRPC00 with the appropriate level of security to be able to use the CICS SPI.

Destination: CRPO

Module: DFHRPC4C

XMEOUT Parameters: *date, time, applid, tranid*

DFHRP1555 *date time applid tranid* **The CICS ONC RPC connection manager is not authorized to use the program DFHRPTRU.**

Explanation: The connection manager used the EXEC CICS ENABLE PROGRAM command for DFHRPTRU, but it has not been defined with the authorization necessary to use DFHRPTRU. It cannot function without this authorization.

System Action: A system dump is taken. The enable attempt is abandoned. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Redefine the connection manager and its associated programs with the appropriate level of security to be able to use the CICS ONC RPC supplied task-related user exit DFHRPTRU.

Destination: CRPO

Module: DFHRPC4C

XMEOUT Parameters: *date, time, applid, tranid*

DFHRP1556 *date time applid tranid* **The CICS ONC RPC connection manager has detected an internal error during enable processing.**

Explanation: An internal error detected by the connection manager during enable processing has prevented CICS ONC RPC from being enabled.

System Action: A system dump is taken. The enable attempt is abandoned. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: You need further assistance from IBM to resolve this problem. See the *CICS External Interfaces Guide* and Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed. Report the details of the symptom string given in message DFHME0116.

Destination: CRPO

Module: DFHRPC4C

XMEOUT Parameters: *date, time, applid, tranid*

DFHRP1557 *date time applid tranid* **The CICS ONC RPC connection manager has detected an internal error during enable processing.**

Explanation: An internal error detected by the connection manager during enable processing has prevented CICS ONC RPC from being enabled.

System Action: A system dump is taken. The enable attempt is abandoned. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: You need further assistance from IBM to resolve this problem. See the *CICS External Interfaces Guide* and Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed. Report the details of the symptom string given in message DFHME0116.

Destination: CRPO

Module: DFHRPC4C

XMEOUT Parameters: *date, time, applid, tranid*

DFHRP1558 *date time applid tranid* **The CICS ONC RPC connection manager could not find the task-related user exit, program DFHRPTRU.**

Explanation: The connection manager cannot find the task-related user exit, DFHRPTRU, for one of the following reasons:

- DFHRPTRU has not been defined to CICS
- DFHRPTRU is not in the CICS load library
- DFHRPTRU has been disabled

System Action: A system dump is taken. The enable attempt is abandoned. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Ensure that all the CEDA groups for CICS ONC RPC have been installed correctly, then try the enable request again.

Destination: CRPO

Module: DFHRPC4C

XMEOUT Parameters: *date, time, applid, tranid*

DFHRP1559 *date time applid tranid* **The CICS ONC RPC connection manager could not enable CICS ONC RPC because of a CICS short on storage condition.**

Explanation: The connection manager has made a request for storage during enable processing, but has received a reply indicating that CICS is short on storage.

System Action: A system dump is taken. The enable attempt is abandoned. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: See the associated diagnostics issued by CICS for problem determination. See the dfhtm00l. for guidance on dealing with CICS storage problems.

Destination: CRPO

Module: DFHRPC4C

XMEOUT Parameters: *date, time, applid, tranid*

DFHRP1560 *date time applid tranid* **The CICS ONC RPC connection manager has detected an internal error during enable processing.**

Explanation: An internal error detected by the connection manager during enable processing has prevented CICS ONC RPC from being enabled.

System Action: A system dump is taken. The enable attempt is abandoned. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: You need further assistance from IBM to resolve this problem. See the *CICS External Interfaces Guide* and Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed. Report the details of the symptom string given in message DFHME0116.

Destination: CRPO

Module: DFHRPC4C

XMEOUT Parameters: *date, time, applid, tranid*

DFHRP1561 *date time applid tranid* **The CICS ONC RPC connection manager found that the task-related user exit, program DFHRPTRU, is already enabled.**

Explanation: The connection manager found that the task-related user exit, DFHRPTRU, is already enabled.

System Action: A system dump is taken. The enable attempt is abandoned. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Take steps to prevent operator intervention with the task related user exit, then try the enable request again.

Destination: CRPO

Module: DFHRPC4C

XMEOUT Parameters: *date, time, applid, tranid*

DFHRP1564 *date time applid tranid* **CICS ONC RPC could not be enabled due to an internal error while starting the server controller. Host IP address:** *hostaddr***.**

Explanation: The connection manager attempted to start the server controller by issuing an EXEC CICS START command, but could not determine the response that was returned.

System Action: A system dump is taken. The enable attempt is abandoned. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: You need further assistance from IBM to resolve this problem. See the *CICS External Interfaces Guide* and Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed. Report the details of the symptom string given in message DFHME0116.

Destination: CRPO

Module: DFHRPC4C

XMEOUT Parameters: *date, time, applid, tranid, hostaddr*

DFHRP1565 *date time applid tranid* **CICS ONC RPC cannot be enabled because the connection manager is not authorized to start the server controller. EIBRESP:** *eibresp***. Host IP address:** *hostaddr***.**

Explanation: The connection manager attempted to start the server controller by issuing an EXEC CICS START command, but the NOTAUTH response was returned.

System Action: A system dump is taken. The enable attempt is abandoned. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: See the *CICS System Programming Reference* for the meaning of the value returned in *eibresp*. Use CEDA to ensure that the resource definitions for the CICS ONC RPC supplied programs and transactions have been defined with the correct levels of security. The connection manager must have the correct level of authority to start the server controller in order for CICS ONC RPC to be enabled successfully.

Destination: CRPO

Module: DFHRPC4C

XMEOUT Parameters: *date, time, applid, tranid, eibresp, hostaddr*

DFHRP1566 *date time applid tranid* **CICS ONC RPC cannot be enabled due to an error starting the server controller. EIBRESP:** *eibresp***. Host IP address:** *hostaddr***.**

Explanation: The connection manager attempted to start the server controller by issuing an EXEC CICS START command, but the TRANSIDERR response was returned.

See the *CICS System Programming Reference* for the meaning of the value returned in *eibresp*.

System Action: A system dump is taken. The enable attempt is abandoned. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Use CEDA to ensure that the resource definitions for the CICS ONC RPC supplied programs and transactions have been defined with the correct levels of security. In order to enable CICS ONC RPC, the connection manager must have the correct level of authority to start the server controller.

Destination: CRPO

Module: DFHRPC4C

XMEOUT Parameters: *date, time, applid, tranid, eibresp, hostaddr*

DFHRP1567 *date time applid tranid* **CICS ONC RPC could not be enabled due to a security error starting the server controller. User ID** *userid* **is unknown. Host IP address:** *hostaddr***.**

Explanation: The connection manager attempted to start the server controller by issuing an EXEC CICS START USERID command, but the USERIDERR response was returned.

The user ID specified for the server controller is not known to the external security manager.

System Action: The enable attempt is abandoned.

User Response: Ensure that a valid user ID is specified for CRPM Userid.

Destination: CRPO

Module: DFHRPC4C

XMEOUT Parameters: *date, time, applid, tranid, userid, hostaddr*

DFHRP1568 *date time applid tranid* **CICS ONC RPC could not be enabled due to a security error starting the server controller. Host IP address:** *hostaddr***.**

Explanation: The connection manager attempted to start the server controller by issuing an EXEC CICS START USERID command, but the USERIDERR response was returned.

The external security manager is in a state such that it cannot validate the user ID specified for the server controller.

System Action: A system dump is taken. The enable attempt is abandoned. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Investigate the reason why the external security manager cannot perform this request.

Destination: CRPO

Module: DFHRPC4C

XMEOUT Parameters: *date, time, applid, tranid, hostaddr*

DFHRP1569 *date time applid tranid* **The CICS ONC RPC connection manager has detected an internal error during enable processing.**

Explanation: An internal error detected by the connection manager during enable processing has prevented CICS ONC RPC from being enabled.

System Action: A system dump is taken. The enable attempt is abandoned. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: You need further assistance from IBM to resolve this problem. See the *CICS External Interfaces Guide* and Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CRPO

Module: DFHRPC4C

XMEOUT Parameters: *date, time, applid, tranid*

DFHRP1570 *date time applid tranid* **CICS ONC RPC storage subpool token not saved.**

Explanation: The connection manager has detected an error while saving the storage subpool token.

System Action: A system dump is taken. CICS ONC RPC continues normally. However if CICS ONC RPC abends, it may not be possible to reenable CICS ONC RPC without restarting CICS. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: See the associated diagnostics issued by CICS for problem determination.

Destination: CRPO

Module: DFHRPC4C

XMEOUT Parameters: *date, time, applid, tranid*

DFHRP1571 *date time applid tranid* **The CICS ONC RPC connection manager is not authorized to load module** *module***.**

Explanation: The connection manager has not been defined with the authorization necessary to issue an EXEC CICS LOAD command for the named module.

System Action: The enable attempt is abandoned.

User Response: Redefine the connection manager and its associated programs with the appropriate level of security to be able to issue EXEC CICS LOAD commands for the named CICS ONC RPC program.

Destination: CRPO

Module: DFHRPC4C

XMEOUT Parameters: *date, time, applid, tranid, module*

DFHRP1572 *date time applid tranid* **The CICS ONC RPC connection manager detected an error while loading** *module***.**

Explanation: The connection manager tried to load the module, but the response to EXEC CICS LOAD was PGMIDERR.

System Action: The enable attempt is abandoned.

User Response: Use the CEDA transaction to ensure that the connection manager (program DFHRPC00) and the named program are correctly defined. See the *CICS External Interfaces Guide* for the correct program definitions.

Destination: CRPO

Module: DFHRPC4C

XMEOUT Parameters: *date, time, applid, tranid, module*

DFHRP1574 *date time applid tranid* **The CICS ONC RPC connection manager load for** *module* **returned an unexpected response.**

Explanation: The connection manager has not been able to load the module into storage. A response other than NOTAUTH or PGMIDERR was returned to the EXEC CICS LOAD command.

System Action: A system dump is taken. The enable attempt is abandoned. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Use the system dump to determine why the LOAD could not work.

Destination: CRPO

Module: DFHRPC4C

XMEOUT Parameters: *date, time, applid, tranid, module*

DFHRP1575 *date time applid tranid* **CICS ONC RPC could not be enabled due to an internal error starting the server controller. Host IP address:** *hostaddr***.**

Explanation: The connection manager attempted to start the server controller by issuing an EXEC CICS START command, but received an unexpected response.

System Action: A system dump is taken. The enable attempt is abandoned. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: You need further assistance from IBM to resolve this problem. See the *CICS External Interfaces Guide* and Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed. Report the details of the symptom string given in message DFHME0116.

Destination: CRPO

Module: DFHRPC4C

XMEOUT Parameters: *date, time, applid, tranid, hostaddr*

DFHRP1576 *date time applid tranid* **CICS ONC RPC could not be enabled due to an internal error starting the server controller. EIBRESP:** *eibresp***. Host IP address:** *hostaddr***.**

Explanation: The connection manager attempted to start the server controller by issuing an EXEC CICS START command, but the INVREQ response was returned.

System Action: A system dump is taken. The enable attempt is abandoned. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: You need further assistance from IBM to resolve this problem. See the *CICS External Interfaces Guide* and Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed. Report the details of the symptom string given in message DFHME0116.

Destination: CRPO

Module: DFHRPC4C

XMEOUT Parameters: *date, time, applid, tranid, eibresp, hostaddr*

DFHRP1577 *date time applid tranid* **The CICS ONC RPC connection manager cannot access its task-related user exit DFHRPTRU.**

Explanation: The connection manager was unable to access its task-related user exit DFHRPTRU during enable processing.

System Action: A system dump is taken. The enable attempt is abandoned. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Check that the task-related user exit has not been disabled by operator intervention. See the associated diagnostics issued by CICS for problem determination.

Destination: CRPO

Module: DFHRPC4C

XMEOUT Parameters: *date, time, applid, tranid*

DFHRP1579 *date time applid tranid* **The CICS ONC RPC connection manager detected an internal error while registering 4-tuples from the CICS ONC RPC data set, CICS file** *filename***.**

Explanation: The connection manager has detected an internal error while processing a request to register 4-tuples from the CICS ONC RPC data set. Associated message DFHRP1545 may have been issued to indicate the number of 4-tuples that were successfully registered.

System Action: A system dump is taken. Registration of 4-tuples from the data set does not continue. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: You need further assistance from IBM to resolve this problem. See the *CICS External Interfaces Guide* and Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed. Report the details of the symptom string given in message DFHME0116.

Destination: CRPO

Module: DFHRPC09

XMEOUT Parameters: *date, time, applid, tranid, filename*

DFHRP1580 *date time applid tranid* **The CICS ONC RPC connection manager cannot establish whether security is active or obtain the default CICS user ID. EIBRESP:** *eibresp***.**

Explanation: The connection manager was unable to retrieve status information about CICS, and therefore cannot establish whether security is active, or obtain the default CICS user ID.

An EXEC CICS INQUIRE SYSTEM was issued but received the response shown in the message.

System Action: Processing continues under the assumption that there is no security active.

Panel DFHRP02 is displayed with no user ID in field CRPM Userid, unless a user ID was saved in the CICS ONC RPC data set.

User Response: Ensure that the connection manager has the correct level of security to use CICS system programming interface commands.

Destination: CRPO

Module: DFHRPC42

XMEOUT Parameters: *date, time, applid, tranid, eibresp*

DFHRP1581 *date time applid tranid* **The CICS ONC RPC connection manager detected an internal error while accessing the CICS ONC RPC data set, CICS file** *filename***.**

Explanation: The connection manager has detected an internal error while accessing the CICS ONC RPC data set.

System Action: A system dump is taken. The panel is redisplayed. No records can be updated. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: You need further assistance from IBM to resolve this problem. See the *CICS External Interfaces Guide* and Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed. Report the details of the symptom string given in message DFHME0116.

Destination: CRPO

Modules: DFHRPC03, DFHRPC05

XMEOUT Parameters: *date, time, applid, tranid, filename*

DFHRP1582 *date time applid tranid* **The CICS ONC RPC connection manager detected an internal error while accessing the CICS ONC RPC data set, CICS file** *filename***.**

Explanation: The connection manager has detected an internal error while accessing the CICS ONC RPC data set.

System Action: A system dump is taken. The connection manager panel is redisplayed. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: You need further assistance from IBM to resolve this problem. See the *CICS External Interfaces Guide* and Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed. Report the details of the symptom string given in message DFHME0116.

Destination: CRPO

Modules: DFHRPC03, DFHRPC05

XMEOUT Parameters: *date, time, applid, tranid, filename*

DFHRP1583 *date time applid tranid* **The CICS ONC RPC connection manager found no entry for this 4-tuple in the CICS ONC RPC data set, CICS file** *filename***.**

Explanation: The connection manager has not found this 4-tuple in the CICS ONC RPC data set *filename*.

System Action: None.

User Response: Enter a 4-tuple that has already been saved in the data set.

Destination: Terminal End User

Module: DFHRPC09

DFHRP1584 *date time applid tranid* **The CICS ONC RPC connection manager detected an error while accessing the CICS ONC RPC data set, CICS file** *filename***. EIBRESP:** *eibresp***.**

Explanation: The connection manager could not access the CICS ONC RPC data set. An EXEC CICS DELETE was issued, but received the response *eibresp*. The data set has not been correctly defined to CICS for one of the following reasons:

- No file definition has been found for *filename*. CICS ONC RPC has therefore not been installed correctly.
- DELETE operations are not allowed on the file.
- The file has been disabled, either due to an incorrect file definition, or due to operator intervention.
- The file cannot be opened because it has not been defined correctly, or because it has been closed by operator intervention.
- The connection manager, or the user running it, does not have the necessary level of authority to access the file.

System Action: The requested operation is not performed. The connection manager cannot perform any operation requiring access to the data set.

User Response: Use Appendix A of the *Application Programming Reference* manual to find out what the EIBRESP value means, and take appropriate action.

Investigate whether the operator has changed the status of the data set for any reason.

Destination: CRPO

Module: DFHRPC09

XMEOUT Parameters: *date, time, applid, tranid, filename, eibresp*

DFHRP1585 *date time applid tranid* **The CICS ONC RPC connection manager detected an error while accessing the CICS ONC RPC data set, CICS file** *filename***. EIBRESP:** *eibresp***.**

Explanation: The connection manager could not access CICS ONC RPC data set, CICS file *filename*. An EXEC CICS DELETE was issued, but received the response *eibresp*. The error can occur for one of the following reasons:

- The file is defined as remote, and there is an error on the connection to the owning system.
- VSAM has returned an unexpected response to CICS.
- An I/O error occurred on the DELETE.

System Action: A system dump is taken. The requested operation is not performed. The connection manager cannot perform any function requiring access to the data set. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Use Appendix A of the *Application Programming Reference* manual to find out what the EIBRESP value means, and take appropriate action.

Destination: CRPO

Module: DFHRPC09

XMEOUT Parameters: *date, time, applid, tranid, filename, eibresp*

DFHRP1586 *date time applid tranid* **The CICS ONC RPC connection manager detected a logic error accessing the CICS ONC RPC data set** *filename***.**

Explanation: The connection manager detected an unexpected error when accessing the CICS ONC RPC data set. This is a logic error. The connection manager has received an unexpected response from CICS following an EXEC CICS command.

System Action: A system dump is taken. The connection manager cannot perform any function requiring access to the CICS ONC RPC data set. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: You need further assistance from IBM to resolve this problem. See the *CICS External Interfaces Guide* and Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed. Report the details of the symptom string given in message DFHME0116.

Destination: CRPO

Module: DFHRPC09

XMEOUT Parameters: *date, time, applid, tranid, filename*

DFHRP1596 *date time applid tranid* **The CICS ONC RPC connection manager cannot continue enable processing because it cannot determine the status of CICS ONC RPC.**

Explanation: The connection manager was trying to enable CICS ONC RPC, but detected an invalid global work area address, or found that CICS ONC RPC was enabled.

System Action: The enable attempt is abandoned.

User Response: Investigate whether CICS ONC RPC has been disabled. Investigate whether operator command have been issued against the task-related user DFHRPTRU.

Destination: CRPO

Module: DFHRPC4C

XMEOUT Parameters: *date, time, applid, tranid*

DFHRP1600 *date time applid tranid* **The CICS ONC RPC connection manager has completed backout of enable processing.**

Explanation: CICS ONC RPC cannot be enabled. This may be the result of an error detected by the connection manager during enable processing or it may be due to CICS shutdown. The connection manager has completed backout of enable processing.

System Action: Processing continues.

User Response: See associated messages for the reason why the enable request failed.

Destination: CRPO

Module: DFHRPC4C

XMEOUT Parameters: *date, time, applid, tranid*

DFHRP1601 *date time applid tranid* **The CICS ONC RPC connection manager cannot continue enable processing because it has detected that CICS is shutting down.**

Explanation: CICS ONC RPC cannot be enabled when CICS is in shutdown.

System Action: The connection manager initiates backout of enable processing. If this is an immediate CICS shutdown, then transaction CRPC terminates.

User Response: Exit transaction CRPC to enable CICS shutdown to continue.

Destination: CRPO

Module: DFHRPC4C

XMEOUT Parameters: *date, time, applid, tranid*

DFHRP1602 *date time applid tranid* **The CICS ONC RPC connection manager has detected an internal error during backout of enable processing.**

Explanation: The connection manager has detected an error attempting to shut down the RPC caller. This is during backout of enable processing initiated by the connection manager in response to a failed enable request. This could either be as a result of problems with CICS ONC RPC, which will probably be reflected in other CICS ONC RPC diagnostics, or as a result of problems with CICS which will probably be reflected in CICS diagnostics.

System Action: CICS ONC RPC continues backout of enable processing.

User Response: See associated messages for the reason why the enable request failed. If message DFHRP0002 was issued to the console, the explanation of that message might contain more information. If the problem is not a symptom of a wider problem, you need further assistance from IBM to resolve this problem. See the *CICS External Interfaces Guide* and Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CRPO

Module: DFHRPC4C

XMEOUT Parameters: *date, time, applid, tranid*

DFHRP1603 *date time applid tranid* **The CICS ONC RPC connection manager has detected an error when attempting to issue a FREEMAIN for the RPC caller program.**

Explanation: The connection manager has detected an error issuing a FREEMAIN for the RPC caller program to remove it from storage. This is during backout of enable processing initiated by the connection manager in response to a failed enable request. This could either be as a result of problems with CICS ONC RPC, which will probably be reflected in other CICS ONC RPC diagnostics, or as a result of problems with CICS which will probably be reflected in CICS diagnostics.

System Action: CICS ONC RPC continues backout of enable processing.

User Response: See associated messages for the reason why the enable request failed. If the problem is not a symptom of a wider problem, you need further assistance from IBM to resolve this problem. See the *CICS External Interfaces Guide* and Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CRPO

Module: DFHRPC4C

XMEOUT Parameters: *date, time, applid, tranid*

DFHRP1604 *date time applid tranid* **The CICS ONC RPC connection manager has detected an error when attempting to issue a RELEASE for the alias list program.**

Explanation: The connection manager has detected an error issuing a release for the alias list program. This is during backout of enable processing initiated by the connection manager in response to a failed enable request. This could either be as a result of problems with CICS ONC RPC, which will probably be reflected in other CICS ONC RPC diagnostics, or as a result of problems with CICS which will probably be reflected in CICS diagnostics.

System Action: CICS ONC RPC continues backout of enable processing.

User Response: See associated messages for the reason why the enable request failed. If the problem is not a symptom of a wider problem, you need further assistance from IBM to resolve this problem. See the *CICS External Interfaces Guide* and Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CRPO

Module: DFHRPC4C

XMEOUT Parameters: *date, time, applid, tranid*

DFHRP1605 *date time applid tranid* **The CICS ONC RPC connection manager has detected an internal error during backout of enable processing.**

Explanation: The connection manager has detected an internal error during backout of enable processing initiated by the connection manager in response to a failed enable request. This could either be as a result of problems with CICS ONC RPC, which will probably be reflected in other CICS ONC RPC diagnostics, or as a result of problems with CICS which will probably be reflected in CICS diagnostics.

System Action: CICS ONC RPC continues backout of enable processing.

User Response: See associated messages for the reason why the enable request failed. If the problem is not a symptom of a wider problem, you need further assistance from IBM to resolve this problem. See the *CICS External Interfaces Guide* and Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CRPO

Module: DFHRPC4C

XMEOUT Parameters: *date, time, applid, tranid*

DFHRP1606 *date time applid tranid* **The CICS ONC RPC connection manager has detected an internal error during backout of enable processing.**

Explanation: The connection manager has detected an internal error during backout of enable processing initiated by the connection manager in response to a failed enable request. This could either be as a result of problems with CICS ONC RPC, which will probably be reflected in other CICS ONC RPC diagnostics, or as a result of problems with CICS which will probably be reflected in CICS be diagnostics.

System Action: CICS ONC RPC continues backout of enable processing.

User Response: See associated messages for the reason why the enable request failed. If the problem is not a symptom of a

wider problem, you need further assistance from IBM to resolve this problem. See the *CICS External Interfaces Guide* and Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CRPO

Module: DFHRPC4C

XMEOUT Parameters: *date, time, applid, tranid*

DFHRP1607 *date time applid tranid* **The CICS ONC RPC connection manager has detected an error when attempting to disable the ONC RPC TRUE (DFHRPTRU).**

Explanation: The connection manager detected an error attempting to disable the task-related user exit (TRUE). This is during backout of enable processing initiated by the connection manager in response to a failed enable request. It may be that the TRUE is already disabled, which may be the result of operator intervention. Alternatively, this could either be as a result of problems with CICS ONC RPC, which will probably be reflected in other CICS ONC RPC diagnostics, or as a result of problems with CICS which will probably be reflected in CICS diagnostics.

System Action: CICS ONC RPC continues backout of enable processing.

User Response: See associated messages for the reason why the enable request failed. Take steps to prevent operator interference with the TRUE.

Destination: CRPO

Module: DFHRPC4C

XMEOUT Parameters: *date, time, applid, tranid*

DFHRP1608 *date time applid tranid* **The CICS ONC RPC connection manager has detected an internal error during backout of enable processing.**

Explanation: The connection manager has detected an internal error attempting to disable the task-related user exit (TRUE). This is during backout of enable processing initiated by the connection manager in response to a failed enable request. This could either be as a result of problems with CICS ONC RPC, which will probably be reflected in other CICS ONC RPC diagnostics, or as a result of problems with CICS which will probably be reflected in CICS diagnostics.

System Action: CICS ONC RPC continues backout of enable processing.

User Response: See associated messages for the reason why the enable request failed. If the problem is not a symptom of a wider problem, you need further assistance from IBM to resolve this problem. See the *CICS External Interfaces Guide* and Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CRPO

Module: DFHRPC4C

XMEOUT Parameters: *date, time, applid, tranid*

DFHRP1609 *date time applid tranid* **The CICS ONC RPC connection manager is not authorized to disable the task-related user exit (DFHRPTRU) during backout of enable processing.**

Explanation: The connection manager transaction does not have the necessary authority to use the CICS system programming interface and cannot disable its task related user exit (TRUE). This is during backout of enable processing initiated by the connection manager in response to a failed enable request. This could either be as a result of problems with CICS ONC RPC, which will probably be reflected in other CICS ONC RPC diagnostics, or as a result of problems with CICS which will probably be reflected in CICS diagnostics.

System Action: CICS ONC RPC continues backout of enable processing.

User Response: See associated messages for the reason why the enable request failed. If the problem is not a symptom of a wider problem, you need further assistance from IBM to resolve this problem. See the *CICS External Interfaces Guide* and Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CRPO

Module: DFHRPC4C

XMEOUT Parameters: *date, time, applid, tranid*

DFHRP1610 *date time applid tranid* **The CICS ONC RPC connection manager is not authorized to disable the task-related user exit (DFHRPTRU) during backout of enable processing.**

Explanation: The connection manager transaction does not have the necessary authority to disable its task-related user exit (TRUE). This is during backout of enable processing initiated by the connection manager in response to a failed enable request. This could either be as a result of problems with CICS ONC RPC, which will probably be reflected in other CICS ONC RPC diagnostics, or as a result of problems with CICS which will probably be reflected in CICS diagnostics.

System Action: CICS ONC RPC continues backout of enable processing.

User Response: See associated messages for the reason why the enable request failed. If the problem is not a symptom of a wider problem, you need further assistance from IBM to resolve this problem. See the *CICS External Interfaces Guide* and Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CRPO

Module: DFHRPC4C

XMEOUT Parameters: *date, time, applid, tranid*

DFHRP1611 *date time applid tranid* **The CICS ONC RPC connection manager has detected an internal error during backout of enable processing.**

Explanation: The connection manager has detected an error attempting to unregister for problem determination. This is during backout of enable processing initiated by the connection manager in response to a failed enable request. This could either be as a result of problems with CICS ONC RPC, which will probably be reflected in other CICS ONC RPC diagnostics, or as a result of problems with CICS which will probably be reflected in CICS diagnostics.

System Action: CICS ONC RPC continues backout of enable processing.

User Response: See associated messages for the reason why the enable request failed. If the problem is not a symptom of a wider problem, you need further assistance from IBM to resolve this problem. See the *CICS External Interfaces Guide* and Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CRPO

Module: DFHRPC4C

XMEOUT Parameters: *date, time, applid, tranid*

DFHRP1650 *date time applid tranid* **The CICS ONC RPC connection manager found that CICS ONC RPC is disabled. Requests to disable CICS ONC RPC are ignored.**

Explanation: A request has been made to disable CICS ONC RPC, but the current status indicates it is already disabled, or in the process of being disabled.

System Action: The request is ignored. The connection manager panel is redisplayed.

User Response: Request another option.

Destination: Terminal End User

Modules: DFHRPC01, DFHRPC04

DFHRP1651 *date time applid tranid* **The CICS ONC RPC connection manager detected a logic error.**

Explanation: The connection manager has received an unexpected response from CICS following an EXEC CICS command.

System Action: A system dump is taken. The connection manager abends with abend code ARPV. The rest of CICS ONC RPC continues. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: You need further assistance from IBM to resolve this problem. See the *CICS External Interfaces Guide* and Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed. Report the details of the symptom string given in message DFHME0116.

Destination: CRPO

Module: DFHRPC04

XMEOUT Parameters: *date, time, applid, tranid*

DFHRP1652 *date time applid tranid* **The CICS ONC RPC connection manager detected a logic error.**

Explanation: The connection manager received an unexpected response from CICS following an EXEC CICS command.

System Action: A system dump is taken. The requested operation is not performed. The connection manager continues. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: You need further assistance from IBM to resolve this problem. See the *CICS External Interfaces Guide* and Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed. Report the details of the symptom string given in message DFHME0116.

Destination: CRPO

Module: DFHRPC04

XMEOUT Parameters: *date, time, applid, tranid*

DFHRP1750 *date time applid tranid* **The CICS ONC RPC connection manager has unregistered the 4-tuple. Program:** *X'prognum'* **Version:** *X'versnum'* **Procedure:** *X'procnum'* **Protocol:** *protocol***. Host IP address:** *hostaddr***.**

Explanation: The 4-tuple has been unregistered.

System Action: Processing continues.

User Response: None.

Destination: CRPO

Module: DFHRPC06

XMEOUT Parameters: *date, time, applid, tranid, X'prognum', X'versnum', X'procnum', protocol, hostaddr*

DFHRP1751 *date time applid tranid* **The CICS ONC RPC connection manager detected an error while accessing an internal table. Host IP address:** *hostaddr*

Explanation: The connection manager detected an error whilst accessing the list of 4-tuples registered with CICS ONC RPC.

System Action: The connection manager panel is redisplayed. The requested action is not performed

User Response: You need further assistance from IBM to resolve this problem. See the *CICS External Interfaces Guide* and Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CRPO

Module: DFHRPC06

XMEOUT Parameters: *date, time, applid, tranid, hostaddr*

DFHRP1752 *date time applid tranid* **The CICS ONC RPC connection manager detected an error while accessing an internal table. Host IP address:** *hostaddr*

Explanation: The connection manager has detected an internal error while accessing the list of 4-tuples registered with CICS ONC RPC.

System Action: The connection manager panel is redisplayed.

User Response: You need further assistance from IBM to resolve this problem. See the *CICS External Interfaces Guide* and Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CRPO

Module: DFHRPC06

XMEOUT Parameters: *date, time, applid, tranid, hostaddr*

DFHRP1753 *date time applid tranid* **A CICS ONC RPC operation could not be performed because CICS is short on storage. Host IP address:** *hostaddr***.**

Explanation: The connection manager could not to perform an unregister operation because CICS is short on storage.

System Action: The connection manager continues.

User Response: Retry the unregister operation when the CICS storage problem has been resolved.

Destination: CRPO

Module: DFHRPC06

XMEOUT Parameters: *date, time, applid, tranid, hostaddr*

DFHRP1754 *date time applid tranid* **The CICS ONC RPC connection manager detected an internal error when unregistering a 4-tuple. Host IP address:** *hostaddr***.**

Explanation: The connection manager detected an internal error when unregistering a 4-tuple.

System Action: A system dump is taken. The connection manager continues. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: You need further assistance from IBM to resolve this problem. See the *CICS External Interfaces Guide* and Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed. Report the details of the symptom string given in message DFHME0116.

Destination: CRPO

Module: DFHRPC06

XMEOUT Parameters: *date, time, applid, tranid, hostaddr*

DFHRP1755 *date time applid tranid* **The CICS ONC RPC connection manager could not perform an unregister operation because CICS ONC RPC is not enabled.** *X'prognum'* **Version:** *X'versnum'* **Procedure:** *X'procnum'* **Protocol:** *protocol***.**

Explanation: The connection manager cannot complete the current unregister operation because CICS ONC RPC it is not enabled. It might have been disabled by another connection manager transaction.

System Action: The connection manager continues, but the unregister operation is not completed.

User Response: None.

Destination: CRPO

Module: DFHRPC06

XMEOUT Parameters: *date, time, applid, tranid, X'prognum', X'versnum', X'procnum', protocol*

DFHRP1756 *date time applid tranid* **CICS ONC RPC is being disabled. Requested operation not performed. Program:** *X'prognum'* **Version:** *X'versnum'* **Procedure:** *X'procnum'* **Protocol:** *protocol***. Host IP address:** *hostaddr***.**

Explanation: The connection manager is unable to complete the current unregister operation because CICS ONC RPC is in disable processing.

System Action: The connection manager continues, but the unregister operation currently being performed is not completed.

User Response: None. The unregister will be performed as part of disable processing

Destination: CRPO

Module: DFHRPC06

XMEOUT Parameters: *date, time, applid, tranid, X'prognum', X'versnum', X'procnum', protocol, hostaddr*

DFHRP1757 *date time applid tranid* **The CICS ONC RPC connection manager cannot unregister the requested 4-tuple because it is not registered. Program:** *X'prognum'* **Version:** *X'versnum'* **Procedure:** *X'procnum'* **Protocol:** *protocol***. Host IP address:** *hostaddr***.**

Explanation: The connection manager is unable to complete the current unregister operation because the requested 4-tuple is not registered.

System Action: The connection manager continues, but the unregister operation currently being performed is not completed.

User Response: If message DFHRP0002 was issued to the console, the explanation of that message might contain more information.

Destination: CRPO

Module: DFHRPC06

XMEOUT Parameters: *date, time, applid, tranid, X'prognum', X'versnum', X'procnum', protocol, hostaddr*

DFHRP1758 *date time applid tranid* **The CICS ONC RPC connection manager detected an error when freeing storage associated with the requested 4-tuple. Program:** *X'prognum'* **Version:** *X'versnum'* **Procedure:** *X'procnum'* **Protocol:** *protocol***. Host IP address:** *hostaddr***.**

Explanation: The connection manager is unable to complete the current unregister operation because an error occurred freeing storage associated with the 4-tuple.

System Action: The connection manager continues. If the requested 4-tuple was the only instance of a particular program/version/protocol 3-tuple registered with TCP/IP for MVS, then this 3-tuple has been unregistered with TCP/IP for MVS.

User Response: See the associated diagnostics issued by CICS and TCP/IP for MVS for problem determination.

Destination: CRPO

Module: DFHRPC06

XMEOUT Parameters: *date, time, applid, tranid, X'prognum', X'versnum', X'procnum', protocol, hostaddr*

DFHRP1759 *date time applid tranid* **The CICS ONC RPC connection manager could not perform an unregister operation because an invalid global work area was detected. Program:** *X'prognum'* **Version:** *X'versnum'* **Procedure:** *X'procnum'* **Protocol:** *protocol***.**

Explanation: The connection manager cannot complete the unregister operation because it has detected an invalid global work area address. CICS ONC RPC might have been disabled by another connection manager transaction.

System Action: The connection manager continues, but the unregister operation is not completed.

User Response: If message DFHRP0002 was issued to the console, the explanation of that message might contain more information.

Destination: CRPO

Module: DFHRPC06

XMEOUT Parameters: *date, time, applid, tranid, X'prognum', X'versnum', X'procnum', protocol*

DFHRP1760 *date time applid tranid* **The CICS ONC RPC connection manager detected an error while unregistering a program-version pair with TCP/IP for MVS. Program:** *X'prognum'* **Version:** *X'versnum'* **Procedure:** *X'procnum'* **Protocol:** *protocol***. Host IP address:** *hostaddr***.**

Explanation: The connection manager detected an error while unregistering a program-version pair with TCP/IP for MVS, and is unable to complete the current unregister operation.

System Action: The connection manager continues, but the unregister operation is not completed.

User Response: See the associated diagnostics issued by CICS and TCP/IP for MVS for problem determination. If message DFHRP0002 was issued to the console, the explanation of that message might contain more information.

Destination: CRPO

Module: DFHRPC06

XMEOUT Parameters: *date, time, applid, tranid, X'prognum', X'versnum', X'procnum', protocol, hostaddr*

DFHRP1761 *date time applid tranid* **The CICS ONC RPC connection manger could not unregister a 4-tuple as it was not registered Program:** *X'prognum'* **Version:** *X'versnum'* **Procedure:** *X'procnum'* **Protocol:** *protocol***. Host IP address:** *hostaddr***.**

Explanation: The 4-tuple cannot be unregistered as it is not registered.

System Action: Processing continues.

User Response: None.

Destination: CRPO

Module: DFHRPC06

XMEOUT Parameters: *date, time, applid, tranid, X'prognum', X'versnum', X'procnum', protocol, hostaddr*

DFHRP1762 *date time applid tranid* **Enter the Program Number, Version Number, Procedure Number and Protocol for the 4-tuple to be unregistered.**

Explanation: You have not entered all the information needed to identify the 4-tuple to be unregistered.

System Action: Processing continues.

User Response: Enter the required data.

Destination: Terminal End User

Module: DFHRPC06

DFHRP1763 *date time applid tranid* **The CICS ONC RPC connection manager cannot display the requested 4-tuple because it is not registered with CICS ONC RPC. Program:** *X'prognum'* **Version:** *X'versnum'* **Procedure:** *X'procnum'* **Protocol:** *protocol***. Host IP address:** *hostaddr***.**

Explanation: The 4-tuple is not displayed.

System Action: Processing continues.

User Response: None.

Destination: CRPO

Module: DFHRPC06

XMEOUT Parameters: *date, time, applid, tranid, X'prognum', X'versnum', X'procnum', protocol, hostaddr*

DFHRP1764 *date time applid tranid* **The CICS ONC RPC connection manager detected an internal error while processing 4-tuple definitions on the CICS ONC RPC data set, CICS file** *filename***.**

Explanation: The connection manager detected an internal error while accessing 4-tuples on the data set.

System Action: A system dump is taken. The connection manager panel is redisplayed. The requested operation is not performed. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: You need further assistance from IBM to resolve this problem. See the *CICS External Interfaces Guide* and Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed. Report the details of the symptom string given in message DFHME0116.

Destination: CRPO

Module: DFHRPC0A

XMEOUT Parameters: *date, time, applid, tranid, filename*

DFHRP1765 *date time applid tranid* **The CICS ONC RPC connection manager found no records in the CICS ONC RPC data set, CICS file** *filename***, when processing a request to access 4-tuple definitions.**

Explanation: The connection manager found no records on the data set while processing a request to access 4-tuple definitions. This indicates that the CICS ONC RPC definition record is missing.

System Action: A system dump is taken. The connection manager panel is displayed. No 4-tuples are displayed. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Investigate the reason why there are no records. You must use the connection manager to create a new CICS ONC RPC definition record.

Destination: CRPO

Module: DFHRPC0A

XMEOUT Parameters: *date, time, applid, tranid, filename*

DFHRP1766 *date time applid tranid* **The CICS ONC connection manager detected an error while accessing the CICS ONC RPC data set, CICS file** *filename***. EIBRESP:** *eibresp***.**

Explanation: The connection manager could not access the CICS ONC RPC data set.

The error occurred while processing a request to display 4-tuple definitions from the data set.

An EXEC CICS STARTBR, EXEC CICS READNEXT or EXEC CICS ENDBR was issued, but received the response *eibresp*. The error can occur for one of the following reasons:

- No file definition has been found for DFHRPCD, implying that CICS ONC RPC has not been installed correctly.
- BROWSE or READ operations are not allowed, implying that CICS ONC RPC has not been installed correctly.
- The file is DISABLED, either due to an incorrect file definition, or due to operator intervention.
- The file is NOTOPEN, either due to an incorrect file definition, or due to operator intervention.

- BROWSE or READ operations are not authorized, implying that security has not been set up correctly.

System Action: A system dump is taken. Without access to the data set, CICS ONC RPC cannot display 4-tuple definitions. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Use Appendix A of the *Application Programming Reference* manual to find out what the EIBRESP value means, and take appropriate action.

Destination: CRPO

Module: DFHRPC0A

XMEOUT Parameters: *date, time, applid, tranid, filename, eibresp*

DFHRP1767 *date time applid tranid* **The CICS ONC RPC connection manager detected an error while accessing the CICS ONC RPC data set, CICS file** *filename***. EIBRESP:** *eibresp***.**

Explanation: The connection manager cannot access the CICS ONC RPC data set.

The error occurred while processing a request to display 4-tuple definitions from the data set.

An EXEC CICS STARTBR, EXEC CICS READNEXT or EXEC CICS ENDBR was issued, but received the response *eibresp*. The error can occur for one of the following reasons:

- The file is defined as remote, and there is an error on the connection to the owning system.
- VSAM has returned an unexpected response to CICS.
- An I/O error occurred on the BROWSE or READ command.

System Action: A system dump is taken. Without access to the data set, CICS ONC RPC cannot display 4-tuple definitions. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Use Appendix A of the *Application Programming Reference* manual to find out what the EIBRESP value means, and take appropriate action.

Destination: CRPO

Module: DFHRPC0A

XMEOUT Parameters: *date, time, applid, tranid, filename, eibresp*

DFHRP1768 *date time applid tranid* **The CICS ONC RPC connection manager detected a logic error while accessing the CICS ONC RPC data set, CICS file** *filename***.**

Explanation: The connection manager could not access the CICS ONC RPC data set. This is a logic error since the connection manager has received an unexpected response from CICS following an EXEC CICS STARTBR, EXEC CICS READNEXT or EXEC CICS ENDBR command.

The error occurred while processing a request to display 4-tuple definitions from the data set.

Without access to the data set, the connection manager cannot process requests to display information from it.

System Action: A system dump is taken. The connection manager panel is redisplayed. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: You need further assistance from IBM to resolve this problem. See the *CICS External Interfaces Guide* and Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed. Report the details of the symptom string given in message DFHME0116.

Destination: CRPO

Module: DFHRPC0A

XMEOUT Parameters: *date, time, applid, tranid, filename*

DFHRP1769 *date time applid tranid* **The CICS ONC RPC connection manager found no records on the CICS ONC RPC data set, CICS file** *filename***, when processing a request to access 4-tuple information.**

Explanation: The connection manager has found no records on the CICS ONC RPC data set when processing a request to access 4-tuple definitions.

System Action: A system dump is taken. The connection manager panel is redisplayed. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Investigate the reason why there are no records. You must use the connection manager to create a new CICS ONC RPC definition record.

Destination: CRPO

Module: DFHRPC0A

XMEOUT Parameters: *date, time, applid, tranid, filename*

DFHRP1770 *date time applid tranid* **The CICS ONC RPC connection manager found no 4-tuple definitions in the CICS ONC RPC data set, CICS file** *filename***.**

Explanation: The connection manager has found no 4-tuple definitions in the CICS ONC RPC data set while processing a request to access 4-tuple definitions.

System Action: The connection manager panel is redisplayed. No 4-tuple definitions are displayed.

User Response: Use the connection manager to save 4-tuple definitions in the data set.

Destination: CRPO

Module: DFHRPC0A

XMEOUT Parameters: *date, time, applid, tranid, filename*

DFHRP1771 *date time applid tranid* **The CICS ONC RPC connection manager detected an internal error while accessing 4-tuple definitions in the CICS ONC RPC data set, CICS file** *filename***.**

Explanation: The connection manager has detected an internal error while processing a request to access 4-tuple definitions in the CICS ONC RPC data set.

System Action: A system dump is taken. The connection manager panel is redisplayed. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: You need further assistance from IBM to resolve this problem. See the *CICS External Interfaces Guide* and Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed. Report the details of the symptom string given in message DFHME0116.

Destination: CRPO

Module: DFHRPC0A

XMEOUT Parameters: *date, time, applid, tranid, filename*

DFHRP1772 *date time applid tranid* **The CICS ONC RPC connection manager could not complete the requested operation. It could not obtain the required CICS storage.**

Explanation: A GETMAIN issued by the connection manager when attempting to build a list of 4-tuples defined in the CICS ONC RPC data set returned an error response.

System Action: A system dump is taken. Processing continues. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: CICS may be temporarily short on storage. Retry the operation. If the condition persists, contact your system administrator to see if there are problems with CICS storage. If CICS is not short on storage, you need further assistance from IBM to resolve this problem. See the *CICS External Interfaces Guide* and Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed. Report the details of the symptom string given in message DFHME0116.

Destination: CRPO

Module: DFHRPC0A

XMEOUT Parameters: *date, time, applid, tranid*

DFHRP1773 *date time applid tranid* **The CICS ONC RPC connection manager detected an error when freeing storage.**

Explanation: A FREEMAIN issued by connection manager returned an error response. The connection manager was trying to free storage used to build a list of 4-tuples defined in the CICS ONC RPC data set.

System Action: A system dump is taken. Processing continues. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: You need further assistance from IBM to resolve this problem. See the *CICS External Interfaces Guide* and Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed. Report the details of the symptom string given in message DFHME0116.

Destination: CRPO

Module: DFHRPC0A

XMEOUT Parameters: *date, time, applid, tranid*

DFHRP1774 *date time applid tranid* **The CICS ONC RPC connection manager cannot display the requested 4-tuple because it is not saved to the CICS ONC RPC data set. Program:** *X'prognum'* **Version:** *X'versnum'* **Procedure:** *X'procnum'* **Protocol:** *protocol***.**

Explanation: The 4-tuple is not displayed.

System Action: Processing continues.

User Response: None.

Destination: CRPO

Module: DFHRPC0A

XMEOUT Parameters: *date, time, applid, tranid, X'prognum', X'versnum', X'procnum', protocol*

DFHRP1775 *date time applid tranid* **The CICS ONC RPC connection manager cannot register 4-tuples because CICS ONC RPC is disabled.**

Explanation: A request to register a 4-tuple cannot be performed because CICS ONC RPC was not enabled when the request was made.

System Action: Processing continues.

User Response: Enable CICS ONC RPC.

Destination: CRPO

Module: DFHRPC0A

XMEOUT Parameters: *date, time, applid, tranid*

DFHRP1800 *date time applid tranid* **The CICS ONC RPC connection manager has purged an alias task. Task status:** *status* **Program:** *X'prognum'* **Version:** *X'versnum'* **Procedure:** *X'procnum'* **Protocol:** *protocol***. Host IP address:** *hostaddr***.**

Explanation: The alias for the 4-tuple has been purged by the connection manager.

System Action: *Status* indicates the status of the alias task when the purge request was issued. The following actions are taken:

- *Running* indicates that the alias task was running. The connection manager removes the entry from the alias list. The alias abends with abend code ARPJ and message DFHRP0173 is issued.
- *Scheduled* indicates that the alias task was scheduled to run and may still do so. The connection manager removes the entry from the alias list. The alias abends with abend code ARPJ and messages DFHRP0113 and DFHRP0173 are issued.

User Response: None.

Destination: CRPO

Module: DFHRPC10

XMEOUT Parameters: *date, time, applid, tranid, status, X'prognum', X'versnum', X'procnum', protocol, hostaddr*

DFHRP1801 *date time applid tranid* **The CICS ONC RPC connection manager has detected an internal error while processing the alias list.**

Explanation: The connection manager has detected an internal error while processing a request to display or purge entries in the alias list.

System Action: A system dump is taken. The connection manager panel is redisplayed. No alias tasks are displayed or purged. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: You need further assistance from IBM to resolve this problem. See the *CICS External Interfaces Guide* and Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed. Report the details of the symptom string given in message DFHME0116.

Destination: CRPO

Module: DFHRPC10

XMEOUT Parameters: *date, time, applid, tranid*

DFHRP1802 *date time applid tranid* **The CICS ONC RPC connection manager has detected an internal error while processing the alias list.**

Explanation: The connection manager has detected an internal error while processing a request to display or purge entries in the alias list.

System Action: A system dump is taken. The connection manager panel is redisplayed. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: You need further assistance from IBM to resolve this problem. See the *CICS External Interfaces Guide* and Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed. Report the details of the symptom string given in message DFHME0116.

Destination: CRPO

Module: DFHRPC10

XMEOUT Parameters: *date, time, applid, tranid*

DFHRP1803 *date time applid tranid* **The CICS ONC RPC connection manager received an error response while attempting to browse the alias list.**

Explanation: The connection manager attempted to start browsing the alias list, but received a response that indicated a severe error had occurred.

System Action: The connection manager panel is redisplayed. No alias tasks are displayed.

User Response: You need further assistance from IBM to resolve this problem. See the *CICS External Interfaces Guide* and Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CRPO

Module: DFHRPC10

XMEOUT Parameters: *date, time, applid, tranid*

DFHRP1804 *date time applid tranid* **The CICS ONC RPC connection manager could not process the alias list. It could not obtain the required CICS storage.**

Explanation: A GETMAIN issued by the connection manager when attempting to build the alias list returned an error response.

System Action: A system dump is taken. The connection manager panel is redisplayed. No alias tasks are displayed. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: CICS may be temporarily short on storage. Retry the operation. If the condition persists, contact your system administrator to see if there are problems with CICS storage. If CICS is not short on storage, you need further assistance from IBM to resolve this problem. See the *CICS External Interfaces Guide* and Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed. Report the details of the symptom string given in message DFHME0116.

Destination: CRPO

Module: DFHRPC10

XMEOUT Parameters: *date, time, applid, tranid*

DFHRP1805 *date time applid tranid* **The CICS ONC RPC connection manager has detected an error when freeing storage.**

Explanation: A FREEMAIN issued by the connection manager when attempting to free storage used to build the alias list returned an error response.

System Action: A system dump is taken. Processing continues. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: You need further assistance from IBM to resolve this problem. See the *CICS External Interfaces Guide* and Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed. Report the details of the symptom string given in message DFHME0116.

Destination: CRPO

Module: DFHRPC10

XMEOUT Parameters: *date, time, applid, tranid*

DFHRP1806 *date time applid tranid* **The CICS ONC RPC connection manager received an error response while attempting to retrieve an entry from the alias list.**

Explanation: The connection manager tried to retrieve an entry from the alias list, but received a response that indicated a severe error had occurred.

System Action: The connection manager panel is redisplayed.

User Response: You need further assistance from IBM to resolve this problem. See the *CICS External Interfaces Guide* and Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CRPO

Module: DFHRPC10

XMEOUT Parameters: *date, time, applid, tranid*

DFHRP1807 *date time applid tranid* **The CICS ONC RPC connection manager received an error response while attempting to complete its browse of the alias list.**

Explanation: The connection manager attempted to finish browsing the alias list, but received a response that indicated a severe error had occurred.

System Action: The connection manager panel is redisplayed.

User Response: You need further assistance from IBM to resolve this problem. See the *CICS External Interfaces Guide* and Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CRPO

Module: DFHRPC10

XMEOUT Parameters: *date, time, applid, tranid*

DFHRP1810 *date time applid tranid* **The CICS ONC RPC connection manager received an error response while attempting to delete an entry from the alias list.**

Explanation: The connection manager tried to delete an entry from the alias list, but received a response that indicated a severe error had occurred.

System Action: The connection manager panel is redisplayed.

User Response: You need further assistance from IBM to resolve this problem. See the *CICS External Interfaces Guide* and Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CRPO

Module: DFHRPC10

XMEOUT Parameters: *date, time, applid, tranid*

DFHRP1861 *date time applid tranid* **The CICS ONC RPC connection manager has detected an internal error while accessing an internal table. Host IP address:** *hostaddr***.**

Explanation: An internal error has occurred in the connection manager while accessing an internal table.

System Action: A system dump is taken. Processing continues. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: You need further assistance from IBM to resolve this problem. See the *CICS External Interfaces Guide* and Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed. Report the details of the symptom string given in message DFHME0116.

Destination: CRPO

Module: DFHRPC08

XMEOUT Parameters: *date, time, applid, tranid, hostaddr*

DFHRP1862 *date time applid tranid* **The CICS ONC RPC connection manager detected an internal error while accessing an internal table.**

Explanation: The connection manager detected an error while accessing an internal table.

System Action: A system dump is taken. If the error occurs during CICS ONC RPC enable processing, CICS ONC RPC remains disabled. If the error occurs during the processing of a client request, an **svcerr_systemerr** call is used to send a reply to the client. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: You need further assistance from IBM to resolve this problem. See the *CICS External Interfaces Guide* and Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed. Report the details of the symptom string given in message DFHME0116.

Destination: CRPO

Module: DFHRPC08

XMEOUT Parameters: *date, time, applid, tranid*

DFHRP1863 *date time applid tranid* **The CICS ONC RPC connection manager has detected an internal error while accessing an internal table. Host IP address:** *hostaddr***.**

Explanation: An internal error has occurred in the connection manager while accessing an internal table.

System Action: A system dump is taken. Processing continues. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: You need further assistance from IBM to resolve this problem. See the *CICS External Interfaces Guide* and Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed. Report the details of the symptom string given in message DFHME0116.

Destination: CRPO

Module: DFHRPC08

XMEOUT Parameters: *date, time, applid, tranid, hostaddr*

DFHRP1864 *date time applid tranid* **The CICS ONC RPC connection manager has detected an internal error while accessing an internal table. Host IP address:** *hostaddr***.**

Explanation: An internal error has occurred in the connection manager while accessing an internal table.

System Action: A system dump is taken. Processing continues. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: You need further assistance from IBM to resolve this problem. See the *CICS External Interfaces Guide* and Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed. Report the details of the symptom string given in message DFHME0116.

Destination: CRPO

Module: DFHRPC08

XMEOUT Parameters: *date, time, applid, tranid, hostaddr*

DFHRP1865 *date time applid tranid* **The CICS ONC RPC connection manager has detected an internal error while accessing an internal table. Host IP address:** *hostaddr***.**

Explanation: An internal error has occurred in the connection manager while accessing an internal table.

System Action: A system dump is taken. Processing continues. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: You need further assistance from IBM to resolve this problem. See the *CICS External Interfaces Guide* and Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed. Report the details of the symptom string given in message DFHME0116.

Destination: CRPO

Module: DFHRPC08

XMEOUT Parameters: *date, time, applid, tranid, hostaddr*

DFHRP1866 *date time applid tranid* **The CICS ONC RPC connection manager detected an internal error while accessing an internal table. Host IP address:** *hostaddr***.**

Explanation: An internal error has occurred in the connection manager while accessing an internal table.

System Action: A system dump is taken. Processing continues. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: You need further assistance from IBM to resolve this problem. See the *CICS External Interfaces Guide* and Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed. Report the details of the symptom string given in message DFHME0116.

Destination: CRPO

Module: DFHRPC0E

XMEOUT Parameters: *date, time, applid, tranid, hostaddr*

DFHRP1867 *date time applid tranid* **The CICS ONC RPC connection manager could not complete the requested operation as an invalid CICS ONC RPC global work area address has been detected.**

Explanation: The connection manager was attempting to access or initialize the list of registered 4-tuples, but detected an invalid global work area address. This may indicate that CICS ONC RPC is disabled.

System Action: A system dump is taken. The requested operation is not completed. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Retry the operation when CICS ONC RPC is enabled. If this occurred during enable processing, check that another connection manager transaction has not disabled CICS ONC RPC.

Destination: CRPO

Module: DFHRPC08

XMEOUT Parameters: *date, time, applid, tranid*

DFHRP1868 *date time applid tranid* **The CICS ONC RPC connection manager could not complete the requested operation. It could not obtain the required CICS storage. Host IP address:** *hostaddr***.**

Explanation: A GETMAIN issued by connection manager when attempting to build a list of registered 4-tuples returned an error response.

System Action: A system dump is taken. Processing continues. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: CICS may be temporarily short on storage. Retry the operation. If the condition persists, contact your system administrator to see if there are problems with CICS storage. If CICS is not short on storage, you need further assistance from IBM to resolve this problem. See the *CICS External Interfaces Guide* and Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed. Report the details of the symptom string given in message DFHME0116.

Destination: CRPO

Module: DFHRPC08

XMEOUT Parameters: *date, time, applid, tranid, hostaddr*

DFHRP1869 *date time applid tranid* **The CICS ONC RPC connection manager detected an error when freeing storage. Host IP address:** *hostaddr***.**

Explanation: A FREEMAIN issued by connection manager when attempting to free storage used to build a list of registered 4-tuples returned an error response.

System Action: Processing continues.

User Response: You need further assistance from IBM to resolve this problem. See the *CICS External Interfaces Guide* and Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CRPO

Module: DFHRPC08

XMEOUT Parameters: *date, time, applid, tranid, hostaddr*

DFHRP1879 *date time applid tranid* **The CICS ONC RPC connection manager has detected an internal error while accessing an internal table. Host IP address:** *hostaddr***.**

Explanation: An internal error has occurred in the connection manager while accessing an internal table.

System Action: A system dump is taken. Processing continues. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: You need further assistance from IBM to resolve this problem. See the *CICS External Interfaces Guide* and Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed. Report the details of the symptom string given in message DFHME0116.

Destination: CRPO

Module: DFHRPC08

XMEOUT Parameters: *date, time, applid, tranid, hostaddr*

DFHRP1900 *date time applid tranid* **The CICS ONC RPC connection manager could not find the global work area.**

Explanation: The connection manager could not find the global work area. The task related user exit DFHRPTRU has been wrongly defined.

System Action: A system dump is taken. CICS ONC RPC remains disabled. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Ensure that all the CEDA groups for CICS ONC RPC have been installed correctly, then try to enable CICS ONC RPC again.

Investigate whether the operator has disabled DFHRPTRU for any reason.

Destination: CRPO

Module: DFHRPC0B

XMEOUT Parameters: *date, time, applid, tranid*

DFHRP1901 *date time applid tranid* **The CICS ONC RPC connection manager could not find the task-related user exit, program DFHRPTRU.**

Explanation: The connection manager cannot find the task-related user exit, DFHRPTRU, for one of the following reasons:

- DFHRPTRU has not been defined to CICS
- DFHRPTRU is not in the CICS load library
- DFHRPTRU has been disabled

System Action: A system dump is taken. CICS ONC RPC remains disabled. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Ensure that all the CEDA groups for CICS ONC RPC have been installed correctly, then try the enable request again.

Destination: CRPO

Module: DFHRPC0B

XMEOUT Parameters: *date, time, applid, tranid*

DFHRP1902 *date time applid tranid* **The CICS ONC RPC connection manager does not have sufficient authority to issue the EXEC CICS EXTRACT EXIT command. EIBRESP2:** *eibresp2***.**

Explanation: The connection manager does not have the correct authority to issue the privileged EXEC CICS EXTRACT EXIT command. It cannot function without this authority.

System Action: A system dump is taken. The connection manager abends with abend code ARPZ. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Use the EIBRESP2 value to identify the problem. Ensure that the connection manager and its associated program DFHRPC00 have the necessary level of security to issue the EXEC CICS EXTRACT EXIT command for the CICS ONC RPC task related user exit DFHRPTRU.

Destination: CRPO

Module: DFHRPC0B

XMEOUT Parameters: *date, time, applid, tranid, eibresp2*

DFHRP1903 *date time applid tranid* **The CICS ONC RPC connection manager has received an unexpected response from CICS.**

Explanation: The connection manager received an unexpected response from CICS to an EXEC CICS command.

This is a logic error.

System Action: A system dump is taken. CICS ONC RPC is disabled. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: You need further assistance from IBM to resolve this problem. See the *CICS External Interfaces Guide* and Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CRPO

Module: DFHRPC0B

XMEOUT Parameters: *date, time, applid, tranid*

DFHRP1906 *date time applid tranid* **The CICS ONC RPC connection manager found an error in the length of the CICS ONC RPC global work area.**

Explanation: The connection manager found that the length of its global work area is not correct.

System Action: A system dump is taken. CICS ONC RPC is disabled. It is not possible to enable CICS ONC RPC until DFHRPTRU has been correctly defined to CICS. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Ensure that DFHRPTRU has not been enabled by an operator command.

Destination: CRPO

Module: DFHRPC0B

XMEOUT Parameters: *date, time, applid, tranid*

DFHRP1907 *date time applid tranid* **The CICS ONC RPC connection manager found invalid data in the global work area.**

Explanation: The connection manager found invalid data in the global work area. This is probably caused by a storage overwrite.

System Action: A system dump is taken. CICS ONC RPC is disabled. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Investigate the reason for the storage overwrite

Destination: CRPO

Module: DFHRPC0B

XMEOUT Parameters: *date, time, applid, tranid*

DFHRP1950 *date time applid tranid* **The CICS ONC RPC connection manager detected a logic error. Program:** *X'prognum'* **Version:** *X'versnum'* **Procedure:** *X'procnum'* **Protocol:** *protocol***. Host IP address:** *hostaddr***.**

Explanation: The connection manager has received an unexpected response from CICS following an EXEC CICS command.

System Action: A system dump is taken. Registration of the 4-tuple currently being processed is not possible. The 4-tuple is not registered. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: You need further assistance from IBM to resolve this problem. See the *CICS External Interfaces Guide* and Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed. Report the details of the symptom string given in message DFHME0116.

Destination: CRPO

Module: DFHRPC0E

XMEOUT Parameters: *date, time, applid, tranid, X'prognum', X'versnum', X'procnum', protocol, hostaddr*

DFHRP1951 *date time applid tranid* **The CICS ONC RPC connection manager could not load the requested XDR program** *xdrname***. EIBRESP:** *eibresp* **EIBRESP2:** *eibresp2* **Program:** *X'prognum'* **Version:** *X'versnum'* **Procedure:** *X'procnum'* **Protocol:** *protocol***. Host IP address:** *hostaddr***.**

Explanation: The connection manager used EXEC CICS LOAD for the CICS program *xdrname*, which has been requested as the XDR routine for the 4-tuple being processed, but received an error response.

System Action: The 4-tuple is not registered.

User Response: The problem is probably due to an error in defining the requested program *xdrname* to CICS, or to wrongly defining an XDR routine name for the 4-tuple. Use the values provided in *eibresp* and *eibresp2* to identify the reason for the error in the LOAD, and use the CICS CEDA transaction or the connection manager to rectify the problem.

Destination: CRPO

Module: DFHRPC0E

XMEOUT Parameters: *date, time, applid, tranid, xdrname, eibresp, eibresp2, X'prognum', X'versnum', X'procnum', protocol, hostaddr*

DFHRP1952 *date time applid tranid* **The CICS ONC RPC connection manager could not load the XDR routine** *xdrname***. EIBRESP:** *eibresp* **EIBRESP2:** *eibresp2* **Program:** *X'prognum'* **Version:** *X'versnum'* **Procedure:** *X'procnum'* **Protocol:** *protocol***. Host IP address:** *hostaddr***.**

Explanation: The connection manager used EXEC CICS LOAD for CICS program with name *xdrname*, which has been requested as the XDR routine for the 4-tuple being processed, but received an error response.

System Action: The 4-tuple is not registered.

User Response: Use the values provided in EIBRESP and EIBRESP2 to identify the reason for the error in the LOAD.

Destination: CRPO

Module: DFHRPC0E

XMEOUT Parameters: *date, time, applid, tranid, xdrname, eibresp, eibresp2, X'prognum', X'versnum', X'procnum', protocol, hostaddr*

DFHRP1953 *date time applid tranid* **The CICS ONC RPC connection manager detected a logic error when loading XDR routine** *xdrname***. EIBRESP:** *eibresp* **EIBRESP2:** *eibresp2* **Program:** *X'prognum'* **Version:** *X'versnum'* **Procedure:** *X'procnum'* **Protocol:** *protocol***. Host IP address:** *hostaddr***.**

Explanation: The connection manager used EXEC CICS LOAD for the CICS program *xdrname*, which has been requested as the XDR routine for the 4-tuple being processed, but it received an unexpected response.

System Action: A system dump is taken. The 4-tuple is not registered. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: You need further assistance from IBM to resolve this problem. See the *CICS External Interfaces Guide* and Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed. Report the details of the symptom string given in message DFHME0116.

Destination: CRPO

Module: DFHRPC0E

XMEOUT Parameters: *date, time, applid, tranid, xdrname, eibresp, eibresp2, X'prognum', X'versnum', X'procnum', protocol, hostaddr*

DFHRP1954 *date time applid tranid* **The CICS ONC RPC connection manager detected a logic error detected while registering a 4-tuple. Program:** *X'prognum'* **Version:** *X'versnum'* **Procedure:** *X'procnum'* **Protocol:** *protocol***. Host IP address:** *hostaddr***.**

Explanation: The connection manager has received an unexpected response from CICS following an EXEC CICS command.

System Action: A system dump is taken. The connection manager abends with abend code ARPV. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: You need further assistance from IBM to resolve this problem. See the *CICS External Interfaces Guide* and Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed. Report the details of the symptom string given in message DFHME0116.

Destination: CRPO

Module: DFHRPC0E

XMEOUT Parameters: *date, time, applid, tranid, X'prognum', X'versnum', X'procnum', protocol, hostaddr*

DFHRP1955 *date time applid tranid* **The CICS ONC RPC connection manager could not register a 4-tuple because of an internal error. Program:** *X'prognum'* **Version:** *X'versnum'* **Procedure:** *X'procnum'* **Protocol:** *protocol***. Host IP address:** *hostaddr***.**

Explanation: The connection manager could not add an XDR routine name to an internal table.

System Action: The 4-tuple is not registered.

User Response: Try to register the 4-tuple again If the condition persists, you need further assistance from IBM to resolve this problem. See the *CICS External Interfaces Guide* and Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CRPO

Module: DFHRPC0E

XMEOUT Parameters: *date, time, applid, tranid, X'prognum', X'versnum', X'procnum', protocol, hostaddr*

DFHRP1956 *date time applid tranid* **CICS ONC RPC is being disabled. Requested operation not performed. Program:** *X'prognum'* **Version:** *X'versnum'* **Procedure:** *X'procnum'* **Protocol:** *protocol***. Host IP address:** *hostaddr***.**

Explanation: The connection manager is unable to complete the current register operation because CICS ONC RPC is in disable processing.

System Action: The 4-tuple is not registered.

User Response: Once CICS ONC RPC has completed disable processing, enable it again using the connection manager, and try the register operation again.

Destination: CRPO

Module: DFHRPC0E

XMEOUT Parameters: *date, time, applid, tranid, X'prognum', X'versnum', X'procnum', protocol, hostaddr*

DFHRP1957 *date time applid tranid* **CICS ONC RPC is not enabled, so the register operation could not be performed. Program:** *X'prognum'* **Version:** *X'versnum'* **Procedure:** *X'procnum'* **Protocol:** *protocol***. Host IP address:** *hostaddr***.**

Explanation: The connection manager is unable to complete the current register operation because CICS ONC RPC is not currently enabled. It may have been disabled by another connection manager transaction.

System Action: The 4-tuple is not registered.

User Response: Use the connection manager to enable CICS ONC RPC, and try the register operation again.

Destination: CRPO

Module: DFHRPC0E

XMEOUT Parameters: *date, time, applid, tranid, X'prognum', X'versnum', X'procnum', protocol, hostaddr*

DFHRP1958 *date time applid tranid* **The CICS ONC RPC connection manager could not register the 4-tuple because it was already registered. Program:** *X'prognum'* **Version:** *X'versnum'* **Procedure:** *X'procnum'* **Protocol:** *protocol***. Host IP address:** *hostaddr***.**

Explanation: The connection manager is unable to complete the current register operation because the requested 4-tuple is already registered.

System Action: The connection manager continues, but the 4-tuple is not registered.

User Response: This may be a temporary condition, so try the register again. If message DFHRP0002 was issued to the console, the explanation of that message might contain more information. If the condition persists, see the *CICS External Interfaces Guide* for further guidance on how to proceed.

Destination: CRPO

Module: DFHRPC0E

XMEOUT Parameters: *date, time, applid, tranid, X'prognum', X'versnum', X'procnum', protocol, hostaddr*

DFHRP1959 *date time applid tranid* **The CICS ONC RPC connection manager detected an error while registering a 3-tuple with TCP/IP for MVS. Program:** *X'prognum'* **Version:** *X'versnum'* **Procedure:** *X'procnum'* **Protocol:** *protocol***. Host IP address:** *hostaddr***.**

Explanation: The connection manager is unable to complete the current register operation because an error was returned by TCP/IP for MVS.

System Action: The connection manager continues, but the 4-tuple is not registered.

User Response: See the associated diagnostics issued by CICS and TCP/IP for MVS for problem determination. If message DFHRP0002 was issued to the console, the explanation of that message might contain more information.

Destination: CRPO

Module: DFHRPC0E

XMEOUT Parameters: *date, time, applid, tranid, X'prognum', X'versnum', X'procnum', protocol, hostaddr*

DFHRP1960 *date time applid tranid* **The CICS ONC RPC connection manager detected an error while registering a 3-tuple with TCP/IP for MVS. Program:** *X'prognum'* **Version:** *X'versnum'* **Procedure:** *X'procnum'* **Protocol:** *protocol***. Host IP address:** *hostaddr***.**

Explanation: The connection manager is unable to complete the current register operation because an error was returned by TCP/IP for MVS. This may be on an **svcudp_create** or **svctcp_create** operation.

System Action: The connection manager continues, but the 4-tuple is not registered.

User Response: See the associated diagnostics issued by CICS and TCP/IP for MVS for problem determination. If message DFHRP0002 was issued to the console, the explanation of that message might contain more information.

Destination: CRPO

Module: DFHRPC0E

XMEOUT Parameters: *date, time, applid, tranid, X'prognum', X'versnum', X'procnum', protocol, hostaddr*

DFHRP1961 *date time applid tranid* **Data entered in field** *fieldname1* **is incompatible with data entered in field** *fieldname2***.**

Explanation: Data was entered on a connection manager panel in *fieldname1* that is incompatible with data entered in *fieldname2*.

System Action: The connection manager panel is redisplayed and the field in error is highlighted.

User Response: Enter compatible data in the fields indicated.

Destination: Terminal End User

Modules: DFHRPC0D, DFHRPC05

DFHRP1962 *date time applid tranid* **Enter the Program Number, Version Number, Procedure Number and Protocol for the 4-tuple to be displayed.**

Explanation: To retrieve information about a 4-tuple in the CICS ONC RPC data set you must supply the program number, version number, procedure number, and protocol.

System Action: None.

User Response: Enter the required data.

Destination: Terminal End User

Modules: DFHRPC0D, DFHRPC03

DFHRP1963 *date time applid tranid* **Enter the following fields before register or save to data set: Program Number, Version Number, Procedure Number, XDR Routines, and Program Name.**

Explanation: The following fields are required before registration or saving of the 4-tuple: the Program Number, Version Number, Procedure Number, Inbound XDR Routine, Outbound XDR Routine (if RPC Call Type of blocking), and Program Name.

System Action: The connection manager panel is redisplayed.

User Response: Enter valid data in the field(s) indicated.

Destination: Terminal End User

Modules: DFHRPC0D, DFHRPC05

DFHRP1964 *date time applid tranid* **Data entered in the Getlengths field is incompatible with data entered in the Server Input Length or Server Output Length fields.**

Explanation: Either you have specified YES for Getlengths and put information in Server Input Length or Server Output Length, or you have specified NO for Getlengths but put no information in Server Input Length and Server Output Length.

System Action: The connection manager panel is redisplayed.

User Response: Decide whether the lengths are to be specified on this panel, or to be supplied by the **Getlengths** function of the converter for this 4-tuple.

Destination: Terminal End User

Modules: DFHRPC0D, DFHRPC05

DFHRP1965 *date time applid tranid* **With Server Data Format of CONTIGUOUS, the Server Input Length and Server Output Length together must not exceed 32767 Bytes.**

Explanation: An invalid server data length has been detected on a CRPC panel. The maximum total data length which can pass between the alias and the CICS program that services the client request is 32767. If server data format of CONTIGUOUS is specified, the Server Input Length and the Server Output Length added together must not exceed this value.

System Action: The connection manager panel is redisplayed.

User Response: Enter valid data in the fields.

Destination: Terminal End User

Modules: DFHRPC0D, DFHRPC05

DFHRP1966 *date time applid tranid* **Procedure Number of 0 is not allowed.**

Explanation: A value of zero has been entered in the Procedure Number field. This is not allowed.

System Action: The connection manager panel is redisplayed, and the field in error is highlighted.

User Response: Enter valid data in the field indicated.

Destination: Terminal End User

Modules: DFHRPC0D, DFHRPC05, DFHRPC06

DFHRP1967 *date time applid tranid* **The CICS ONC RPC connection manager detected an internal error while trying to register a 4-tuple. Program:** *X'prognum'* **Version:** *X'versnum'* **Procedure:** *X'procnum'* **Protocol:** *protocol***. Host IP address:** *hostaddr***.**

Explanation: The connection manager detected an internal error while trying to register a 4-tuple.

System Action: A system dump is taken. The connection manager continues. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: See associated messages to find out whether the 4-tuple was registered. You need further assistance from IBM to resolve this problem. See the *CICS External Interfaces Guide* and Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed. Report the details of the symptom string given in message DFHME0116.

Destination: CRPO

Module: DFHRPC0E

XMEOUT Parameters: *date, time, applid, tranid, X'prognum', X'versnum', X'procnum', protocol, hostaddr*

DFHRP1968 *date time applid tranid* **The CICS ONC RPC connection manager has not performed a register operation because it detected an invalid global work area. Program:** *X'prognum'* **Version:** *X'versnum'* **Procedure:** *X'procnum'* **Protocol:** *protocol***. Host IP address:** *hostaddr***.**

Explanation: The connection manager is unable to complete the current register operation because it has detected an invalid global work area address. CICS ONC RPC may have been disabled by another connection manager transaction.

System Action: The connection manager continues, but the 4-tuple is not registered.

User Response: Use the connection manager to enable CICS ONC RPC, and try the register operation again. If message DFHRP0002 was issued to the console, the explanation of that message might contain more information.

Destination: CRPO

Module: DFHRPC0E

XMEOUT Parameters: *date, time, applid, tranid, X'prognum', X'versnum', X'procnum', protocol, hostaddr*

DFHRP1969 *date time applid tranid* **The CICS ONC RPC connection manager detected an abend in converter** *progname* **during Getlengths processing. Program:** *X'prognum'* **Version:** *X'versnum'* **Procedure:** *X'procnum'* **Protocol:** *protocol***. Host IP address:** *hostaddr***.**

Explanation: The connection manager is unable to complete the current register operation because it has detected an abend in the converter when invoking it for the **Getlengths** function.

System Action: The connection manager continues, but the 4-tuple is not registered.

User Response: Use CICS diagnostics to correct the converter.

Destination: CRPO

Module: DFHRPC0E

XMEOUT Parameters: *date, time, applid, tranid, progname, X'prognum', X'versnum', X'procnum', protocol, hostaddr*

DFHRP1970 *date time applid tranid* **The CICS ONC RPC connection manager has registered the 4-tuple. Program:** *X'prognum'* **Version:** *X'versnum'* **Procedure:** *X'procnum'* **Protocol:** *protocol***. Host IP address:** *hostaddr***.**

Explanation: The 4-tuple has been registered.

System Action: None.

User Response: None.

Destination: CRPO

Module: DFHRPC0E

XMEOUT Parameters: *date, time, applid, tranid, X'prognum', X'versnum', X'procnum', protocol, hostaddr*

DFHRP1980 *date time applid tranid* **The CICS ONC RPC connection manager cannot register the 4-tuple because it has already been registered. Program:** *X'prognum'* **Version:** *X'versnum'* **Procedure:** *X'procnum'* **Protocol:** *protocol***. Host IP address:** *hostaddr***.**

Explanation: The 4-tuple has already been registered.

System Action: The connection manager panel is redisplayed.

User Response: Enter a new 4-tuple for registration.

Destination: CRPO

Module: DFHRPC0E

XMEOUT Parameters: *date, time, applid, tranid, X'prognum', X'versnum', X'procnum', protocol, hostaddr*

DFHRP1981 *date time applid tranid* **The CICS ONC RPC connection manager detected an internal error while registering a 4-tuple. Program:** *X'prognum'* **Version:** *X'versnum'* **Procedure:** *X'procnum'* **Protocol:** *protocol***. Host IP address:** *hostaddr***.**

Explanation: The connection manager has detected an internal error while registering the 4-tuple.

System Action: The 4-tuple is not registered.

User Response: You need further assistance from IBM to resolve this problem. See the *CICS External Interfaces Guide* and Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CRPO

Module: DFHRPC0E

XMEOUT Parameters: *date, time, applid, tranid, X'prognum', X'versnum', X'procnum', protocol, hostaddr*

DFHRP1982 *date time applid tranid* **The CICS ONC RPC connection manager detected an internal error detected while registering a 4-tuple. Program:** *X'prognum'* **Version:** *X'versnum'* **Procedure:** *X'procnum'* **Protocol:** *protocol***. Host IP address:** *hostaddr***.**

Explanation: The connection manager has detected an internal error while registering the 4-tuple.

System Action: Processing continues.

User Response: You need further assistance from IBM to resolve this problem. See the *CICS External Interfaces Guide* and Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CRPO

Module: DFHRPC0E

XMEOUT Parameters: *date, time, applid, tranid, X'prognum', X'versnum', X'procnum', protocol, hostaddr*

DFHRP1983 *date time applid tranid* **The CICS ONC RPC connection manager detected an error while linking to the converter** *converter_program_name***. EIBRESP:** *eibresp* **EIBRESP2:** *resp2val* **Program:** *X'prognum'* **Version:** *X'versnum'* **Procedure:** *X'procnum'* **Protocol:** *protocol***. Host IP address:** *hostaddr***.**

Explanation: The connection manager used EXEC CICS LINK for the converter to perform **Getlengths** processing for the 4-tuple. The response was PGMIDERR.

System Action: The 4-tuple is not registered.

User Response: Use the EIBRESP2 value to identify the problem.

Destination: CRPO

Module: DFHRPC0E

XMEOUT Parameters: *date, time, applid, tranid, converter_program_name, eibresp, resp2val, X'prognum', X'versnum', X'procnum', protocol, hostaddr*

DFHRP1984 *date time applid tranid* **The CICS ONC RPC connection manager cannot link to converter** *converter_program_name* **because it is remote. EIBRESP:** *eibresp* **EIBRESP2:** *resp2val* **Program:** *X'prognum'* **Version:** *X'versnum'* **Procedure:** *X'procnum'* **Protocol:** *protocol***. Host IP address:** *hostaddr***.**

Explanation: The connection manager used EXEC CICS LINK for the converter to perform **Getlengths** processing, but the response was TERMERR or SYSIDERR. The connection manager passes pointers to the converter, so the converter must be in the same CICS region as CICS ONC RPC.

System Action: The 4-tuple is not registered.

User Response: Install and define the converter program in the same CICS region as CICS ONC RPC.

Destination: CRPO

Module: DFHRPC0E

XMEOUT Parameters: *date, time, applid, tranid, converter_program_name, eibresp, resp2val, X'prognum', X'versnum', X'procnum', protocol, hostaddr*

DFHRP1985 *date time applid tranid* **The CICS ONC RPC connection manager received an unexpected response from CICS while linking to converter** *converter_program_name***. EIBRESP:** *eibresp* **EIBRESP2:** *resp2val* **Program:** *X'prognum'* **Version:** *X'versnum'* **Procedure:** *X'procnum'* **Protocol:** *protocol***. Host IP address:** *hostaddr***.**

Explanation: The connection manager used EXEC CICS LINK for the converter to perform **Getlengths** processing, but received an unexpected response.

System Action: The 4-tuple is not registered.

User Response: See the associated diagnostics issued by CICS for problem determination.

Destination: CRPO

Module: DFHRPC0E

XMEOUT Parameters: *date, time, applid, tranid, converter_program_name, eibresp, resp2val, X'prognum', X'versnum', X'procnum', protocol, hostaddr*

DFHRP1986 *date time applid tranid* **The CICS ONC RPC connection manager is not authorized to link to converter** *converter_program_name***. EIBRESP:** *eibresp* **EIBRESP2:** *resp2val* **Program:** *X'prognum'* **Version:** *X'versnum'* **Procedure:** *X'procnum'* **Protocol:** *protocol***. Host IP address:** *hostaddr***.**

Explanation: The connection manager used EXEC CICS LINK for the converter to perform **Getlengths** processing, but received a NOTAUTH response.

System Action: The 4-tuple is not registered.

User Response: When CICS ONC RPC is next disabled, redefine connection manager with RESSEC=NO.

Destination: CRPO

Module: DFHRPC0E

XMEOUT Parameters: *date, time, applid, tranid, converter_program_name, eibresp, resp2val, X'prognum', X'versnum', X'procnum', protocol, hostaddr*

DFHRP1988 *date time applid tranid* **The CICS ONC RPC connection manager encountered an error in Getlengths processing in converter** *converter_program_name***. Program:** *X'prognum'* **Version:** *X'versnum'* **Procedure:** *X'procnum'* **Protocol:** *protocol***. Host IP address:** *hostaddr***.**

Explanation: **Getlengths** returned URP_EXCEPTION.

System Action: The **Getlengths** parameter area is traced. The 4-tuple is not registered.

User Response: Use the trace information to correct the converter.

Destination: CRPO

Module: DFHRPC0E

XMEOUT Parameters: *date, time, applid, tranid, converter_program_name, X'prognum', X'versnum', X'procnum', protocol, hostaddr*

DFHRP1989 *date time applid tranid* **The CICS ONC RPC connection manager encountered an error in Getlengths processing in converter** *converter_program_name***. Program:** *X'prognum'* **Version:** *X'versnum'* **Procedure:** *X'procnum'* **Protocol:** *protocol***. Host IP address:** *hostaddr***.**

Explanation: **Getlengths** returned URP_INVALID.

System Action: The **Getlengths** parameter area is traced. The 4-tuple is not registered.

User Response: Use the trace information to correct the converter.

Destination: CRPO

Module: DFHRPC0E

XMEOUT Parameters: *date, time, applid, tranid, converter_program_name, X'prognum', X'versnum', X'procnum', protocol, hostaddr*

DFHRP1990 *date time applid tranid* **The CICS ONC RPC connection manager encountered an error during Getlengths processing in converter** *converter_program_name***. Program:** *X'prognum'* **Version:** *X'versnum'* **Procedure:** *X'procnum'* **Protocol:** *protocol***. Host IP address:** *hostaddr***.**

Explanation: **Getlengths** returned URP_DISASTER.

System Action: The **Getlengths** parameter area is traced. The 4-tuple is not registered.

User Response: Use the trace information to correct the converter.

Destination: CRPO

Module: DFHRPC0E

XMEOUT Parameters: *date, time, applid, tranid, converter_program_name, X'prognum', X'versnum', X'procnum', protocol, hostaddr*

DFHRP1991 *date time applid tranid* **The CICS ONC RPC connection manager has detected an invalid server data length returned by the Getlengths function of converter** *converter_program_name***. Program:** *X'prognum'* **Version:** *X'versnum'* **Procedure:** *X'procnum'* **Protocol:** *protocol***. Host IP address:** *hostaddr***.**

Explanation: The communication area length calculated from the **glength_server_data_format**, **glength_server_input_data_len**, and **glength_server_output_data_len** parameters exceeds 32 767.

System Action: The **Getlengths** parameter area is traced. The 4-tuple is not registered.

User Response: Use the trace information to correct the converter.

Destination: CRPO

Module: DFHRPC0E

XMEOUT Parameters: *date, time, applid, tranid, converter_program_name, X'prognum', X'versnum', X'procnum', protocol, hostaddr*

DFHRP1992 *date time applid tranid* **The CICS ONC RPC connection manager has detected an invalid server data format returned by the Getlengths function of converter** *converter_program_name***. Program:** *X'prognum'* **Version:** *X'versnum'* **Procedure:** *X'procnum'* **Protocol:** *protocol***. Host IP address:** *hostaddr***.**

Explanation: The **glength_server_data_format** returned must have a value of URP_CONTIGUOUS or URP_OVERLAID.

System Action: The **Getlengths** parameter area is traced. The 4-tuple is not registered.

User Response: The **glength_server_data_format** must be set to URP_CONTIGUOUS or URP_OVERLAID, or left unaltered, in which case the value specified on panel DFHRP5 when the 4-tuple was registered will be used.

Destination: CRPO

Module: DFHRPC0E

XMEOUT Parameters: *date, time, applid, tranid, converter_program_name, X'prognum', X'versnum', X'procnum', protocol, hostaddr*

DFHRP2000 *date time applid tranid* **A browse of the CICS ONC RPC alias list could not be performed because another browse is active.**

Explanation: Only one task can browse the alias list at a time. This is enforced by use of an ENQ in the connection manager. However, the alias list component has been called to start a browse and has found that there is already a browse active. This is due either to a logic error in CICS ONC RPC code, or to a storage overwrite.

System Action: A system dump is taken. The browse request is rejected. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: If the problem is due to a storage overwrite, it is almost certain that there are errors in other CICS functions for no apparent reason. If this is not the case, you may need further assistance from IBM to resolve this problem. See the *CICS External Interfaces Guide* and Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed. Report the details of the symptom string given in message DFHME0116.

Destination: CRPO

Module: DFHRPAL

XMEOUT Parameters: *date, time, applid, tranid*

DFHRSxxxx messages

DFHRS2110 *date time applid* **Abnormal reply to exchange log name request received from system** *sysid***, netname** *netname***, protocol** *protocol***.**

Explanation: An abnormal reply has been received in response to an exchange log name request sent either following a session failure or at first session initiation after system restart. The abnormal reply may indicate that:

- The remote system detected a warm or cold mismatch, or a log name mismatch.
- The remote system failed to interpret the exchange log name data sent to it.

System Action: For APPC protocol, any synclevel 2 attaches are inhibited. This prevents recoverable activity between the two systems.

For IRC protocol, the message indicates that resynchronization was attempted and failed.

User Response: The most likely cause of the message is an initial start (as opposed to emergency restart or its equivalent) of this system when the remote system has resynchronization work outstanding. If it is a cold or warm mismatch or log name mismatch, other diagnostic messages on the local system may indicate the reason for the error. If it is not, examine the log of the remote system which should have generated diagnostic information describing the reason for the abnormal response.

For APPC protocol where a logname mismatch is suspected, override the error situation by issuing the CEMT SET CONN(*sysid*) NORECOVDATA command for the failing connection. It may be necessary to issue this command (or its equivalent) on both sides of the connection.

Note: If this command is issued, CICS unilaterally commits any resources which may be waiting for APPC resynchronization. In addition, CICS does not carry out any APPC resynchronization activity with the remote system.

For IRC, the message may indicate an initial start of one system when the other has resynchronization outstanding; the resynchronization was started before the initial start occurred and becomes invalid. The associated unit of work may need to be committed by using CEMT SET UOW. The message should not recur.

Destination: Console and Transient Data Queue CSMT

Module: DFHCRRSY

XMEOUT Parameters: *date, time, applid, sysid, netname, protocol*

DFHRS2111 *date time applid* **Cold/Warm restart mismatch with system** *sysid***, netname** *netname***, protocol** *protocol***.**

Explanation: A cold start indication was received from the remote system during an exchange log names sequence. However, this system has units of work that need resynchronizing from the previous run. An exchange log names sequence is started either following a session failure or at first session initiation after system restart; both the local and remote systems may initiate the sequence at the same time.

System Action: Any synclevel 2 attaches are inhibited. This means that recovery activity between the two systems is prevented.

User Response: Override the error by issuing CEMT SET CONN(*sysid*) NOTPENDING commands for the failing connection.

Note: If this command is issued, CICS unilaterally commits any resources which may be waiting for APPC resynchronization. In addition CICS does not carry out any APPC resynchronization with the remote system.

Destination: Console and Transient Data Queue CSMT

Module: DFHCRRSY

XMEOUT Parameters: *date, time, applid, sysid, netname, protocol*

DFHRS2112 *date time applid* **Log name mismatch with system** *sysid***, netname** *netname***, protocol** *protocol***. Expected LUNAME.LOGNAME** *local_logname* **Received LUNAME.LOGNAME** *remote_logname* **.**

Explanation: A failure has occurred in the exchange log names process which is carried out either following a session failure or at first session initiation after system restart. This system's memory of the remote system's log name conflicts with the log name sent by the remote system.

System Action: For APPC protocol, any synclevel 2 attaches are inhibited. This means that recoverable activity between the two systems is prevented.

For IRC protocol, resynchronization was attempted and failed.

User Response: For APPC, override the error by issuing the CEMT SET CONN(*sysid*) NORECOVDATA command for the failing connection. It may be necessary to issue this command (or its equivalent) on both sides of the connection.

Note: If this command is issued, CICS unilaterally commits any resources which may be waiting for APPC resynchronization. In addition CICS does not carry out any APPC resynchronization activity with the remote system. The message may indicate a logic error in CICS or the remote system, and you may need assistance from IBM to prevent a recurrence. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

For IRC, the message may indicate the initial start of one system when the other has resynchronization outstanding; the resynchronization was started before the initial start occurred and becomes invalid. The associated unit of work may need to be committed by using CEMT SET UOW. The message should not recur.

Destination: Console and Transient Data Queue CSMT

Module: DFHCRRSY

XMEOUT Parameters: *date, time, applid, sysid, netname, protocol, local_logname, remote_logname*

DFHRS2113 *date time applid* **Log name mismatch with system** *sysid***, netname** *netname***, protocol** *protocol***, local LOGNAME** *local_logname* **, received LOGNAME** *remote_logname* **.**

Explanation: This message is issued when a failure has occurred in the exchange log names process which is carried out prior to resynchronization following an earlier session failure. System *sysid* has sent an exchange log names request which contains the remote system's memory (*remote_logname*) of this system's log name (*local_logname*).

This system has detected a log name mismatch. This indicates that system *sysid* and this system do not have the correct logs for resynchronization.

System Action: For APPC protocol, any synclevel 2 attaches are inhibited. This means that recoverable activity between the two systems is prevented.

For IRC protocol, the message indicates that resynchronization was attempted and failed.

User Response: For APPC, override the error by issuing the CEMT SET CONN(*sysid*) NORECOVDATA command for the failing connection It may be necessary to issue this command (or its equivalent) on both sides of the connection.

Note: If this command is issued, CICS unilaterally commits any resources which may be waiting for APPC resynchronization. In addition CICS does not carry out any APPC resynchronization activity with the remote system. The message may indicate a logic error in CICS or the remote system, and you may need assistance from IBM to prevent a recurrence. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

For IRC, the message may indicate the initial start of one system when the other has resynchronization outstanding; the resynchronization was started before the initial start occurred and becomes invalid. The associated unit of work may need to be committed by using CEMT SET UOW. The message should not recur.

Destination: Console and Transient Data Queue CSMT

Module: DFHCRRSY

XMEOUT Parameters: *date, time, applid, sysid, netname, protocol, local_logname, remote_logname*

DFHRS2114 *date time applid* **Abnormal termination of exchange log names sequence received from system** *sysid***, netname** *netname***, protocol** *protocol***.**

Explanation: This message is issued when an FMH7 has been received in response to an exchange log name reply. An exchange log names sequence is sent either following a session failure or at first session initiation after system restart. The remote system started the sequence, and the FMH7 reply indicates that the remote system failed to interpret the exchange log name reply data sent to it.

System Action: For APPC protocol, any synclevel 2 attaches are inhibited. This means that recoverable activity between the two systems is prevented.

For IRC protocol, the message indicates that resynchronization was attempted and failed. Communication continues.

User Response: Investigate the cause of the error using the system dump. Format the control blocks for the trace domain and the terminal control program. (For guidance on how to do this, see the *CICS Problem Determination Guide*.)

Determine from the message which session was being used for this exchange log names conversation.

The APPC send and receive buffers for a session are clearly labelled in the dump and are printed below the TCTTE for the session to which they belong. For IRC, the TIOA contains the equivalent data. Check the data against the format of the exchange log names reply GDS variable. The correct format of this SNA defined field can be found in the *SNA Formats* manual.

Examine the log of the remote system. If a protocol violation was detected, the remote system may have generated diagnostic information itself which may help to diagnose the cause.

Destination: Console and Transient Data Queue CSMT

Module: DFHCRRSY

XMEOUT Parameters: *date, time, applid, sysid, netname, protocol*

DFHRS2115 *date time applid protocol* **protocol support mismatch with system** *sysid***, netname** *netname***. Expected support byte** *X'ww'***, received support byte** *X'xx'***, expected extended support bytes** *X'yyyy'***, received extended support bytes** *X'zzzz'***.**

Explanation: This system's memory of the protocols previously negotiated with the remote system conflicts with the indicators sent in an exchange log names variable.

System Action: For APPC protocol, any synclevel 2 attaches are inhibited. This means that recoverable activity between the two systems is prevented.

For IRC protocols, resynchronization fails. Communications continue normally.

User Response: For APPC protocols, the indicators expected from a CICS Transaction Server system are: basic support, X'70'; extended support, X'C000'. For CICS/ESA 4.1 the expected indicators are: basic support, X'40'; extended support, X'0000'. If this combination of the four indicator fields appears in the message, first check that you have Initial started the partner system at the CICS Transaction Server level during a migration from CICS/ESA 4.1, or Cold started a CICS/ESA 4.1 system after running CICS Transaction Server. If this possibility can be ruled out, the message may indicate a logic error in CICS or in the remote system and you may need assistance from IBM to prevent a recurrence. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

You can override the error situation by issuing CEMT SET CONN(*sysid*) NORECOVDATA commands for the failing connection. It may be necessary to issue this command (or its equivalent) on both sides of the connection.

Note: If this command is issued, CICS unilaterally commits any resources which may be waiting for APPC resynchronization. In addition CICS does not carry out any APPC resynchronization activity with the remote system.

For IRC protocols, you may need to use the CEMT SET UOW command to resolve the state of any units or work which cannot be resolved by the normal resynchronization process.

Destination: Console and Transient Data Queue CSMT

Module: DFHCRRSY

XMEOUT Parameters: *date, time, applid, protocol, sysid, netname, X'ww', X'xx', X'yyyy', X'zzzz'*

DFHRS2116 *date time applid* **Abnormal termination of exchange log names sequence received from system** *sysid***, netname** *netname***, protocol** *protocol***. The connection was in a cold state.**

Explanation: An FMH7 has been received in response to an exchange log names reply. An exchange log names sequence is sent either following a session failure or at first session initiation after system startup. This system was either started with the SIT parameter START=INITIAL or CEMT SET CONN(*sysid*) NORECOVDATA has been issued, both of which reset the state of the connection. This means that no log name is stored for the remote system.

For APPC protocols, the FMH7 reply may indicate one of two causes:

- The remote system has resynchronization work outstanding following a previous failure of a conversation during sync point processing and has detected a cold/warm mismatch.

- The remote system failed to interpret the exchange log names reply data sent to it.

For IRC protocol, the problem is caused by the failure of the remote system to interpret the exchange log names reply data.

System Action: For APPC protocol, any synclevel 2 attaches are inhibited. This means that recoverable activity between the two systems is prevented.

For IRC protocol, the message indicates that resynchronization was attempted and failed. Communication continues.

User Response: The most likely cause of the message is an initial start (as opposed to emergency restart or its equivalent) of this system when the other has resynchronization work outstanding. This can be confirmed by examining the message log of the remote system.

For APPC protocol, the connection on the remote system may need to be reset by issuing the CEMT SET CONN(sysid) NOTPENDING command against the connection entry for this system.

Note: If this command is issued, CICS unilaterally commits any resources which may be waiting for APPC resynchronization.

For IRC protocol, a protocol violation or logic error is the only possible cause.

If a cold/warm mismatch is eliminated as the cause of the error, you will need assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: Console and Transient Data Queue CSMT

Module: DFHCRRSY

XMEOUT Parameters: *date, time, applid, sysid, netname, protocol*

DFHRS2117 *date time applid* **Abnormal reply to exchange log names received from system** *sysid***, netname** *netname***, protocol** *protocol***. The connection on this system was in a cold state.**

Explanation: This message is issued when an abnormal reply has been received in response to an exchange log name request. An exchange log names sequence is sent either following a session failure or at first session initiation after system startup. This system was either started with the SIT parameter START=INITIAL, or CEMT SET CONN(*sysid*) NORECOVDATA has been issued, and no log name is stored for the remote system. The abnormal reply may indicate one of two causes in the case of APPC protocol.

- The remote system has resynchronization work outstanding following a previous failure of a conversation during sync point processing and has detected a cold/warm mismatch.
- The remote system failed to interpret the exchange log name data sent to it.

For IRC protocol, the problem is caused by the failure of the remote system to interpret the exchange log name data.

System Action: For APPC protocol, any synclevel 2 attaches are inhibited. This means that recoverable activity between the two systems is prevented.

For IRC protocol, the message indicates that resynchronization was attempted and failed. Communication continues.

User Response: The most likely cause of the message is an intial start (as opposed to emergency restart or its equivalent) of this system when the other has resynchronization work outstanding. This can be confirmed by examining the message log of the remote system.

For APPC protocol, the connection on the remote system may need to be reset by issuing the CEMT SET CONN(sysid) NOTPENDING command against the connection entry for this system.

Note: If this command is issued, CICS unilaterally commits any resources waiting for APPC resynchronization.

For IRC protocol, a protocol violation or logic error is the only possible cause.

If a cold/warm mismatch is eliminated as the cause of the error, you need further assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: Console and Transient Data Queue CSMT

Module: DFHCRRSY

XMEOUT Parameters: *date, time, applid, sysid, netname, protocol*

DFHRS2118 *date time applid* **Abnormal termination of exchange log names sequence received from system** *sysid***, netname** *netname***, protocol** *protocol***. There has been previous contact with that system.**

Explanation: This message is issued when an FMH7 has been received in response to an exchange log name reply.

An exchange log names sequence is sent either following a session failure or at first session initiation after system startup. Both systems have records of previous contact and have log names stored which were being verified by the exchange log names protocol, which was initiated by the remote system.

The FMH7 may indicate one of two causes:

- The remote system has detected a mismatch in the log names or protocol support indicated in the exchange log name reply sent to it.
- The remote system failed to interpret the exchange log name reply data sent to it.

System Action: A system dump is taken unless you have specifically suppressed dumps in the dump table.

Message DFHME0116 is normally produced containing the symptom string for this problem.

For LU6.2 protocol, any synclevel 2 attaches are inhibited. This means that recoverable activity between the two systems is prevented.

For IRC protocol, the message indicates that resynchronization was attempted and failed. Communication continues.

User Response: For APPC protocol, the connection may need to be reset by issuing the CEMT SET CONN(*sysid*) NORECOVDATA command for the failing connection It may be necessary to issue this command (or its equivalent) on both sides of the connection.

Note: If this command is issued, CICS unilaterally commits any resources which may be waiting for APPC resynchronization. In addition, CICS does not carry out any APPC resynchronization activity with the remote system.

The cause of the error may be indicated by diagnostic information produced by the remote system. The system dump taken by local system can be used to investigate the possibility of an error in the exchange log names reply GDS.

Format the control blocks for the trace domain and the terminal control program. (For guidance on how to do this, see the *CICS Problem Determination Guide*.)

Determine from the message which session was being used for this exchange log names conversation.

The APPC send and receive buffers for a session are clearly labelled in the dump and are printed below the TCTTE for the session to which they belong. For IRC, the TIOA contains the equivalent data. Check that the data against the format of the exchange log names reply GDS variable. The correct format of this SNA defined field can be found in the *SNA Formats* manual.

Destination: Console and Transient Data Queue CSMT

Module: DFHCRRSY

XMEOUT Parameters: *date, time, applid, sysid, netname, protocol*

DFHRS2134 *date time applid* **An error has occurred while sending an exchange log names request on session** *sessid* **to remote system** *sysid***, netname** *netname***, protocol** *protocol***.**

Explanation: An error has occurred during the transmission of an exchange log names request to a remote system. CICS was attempting to establish the connection on first contact with the partner, or to resynchronize distributed resources following an earlier failure of a protected conversation during sync point processing.

This message implies a failure of the session used to carry the transmission.

System Action: A system dump is taken unless you have specifically suppressed dumps in the dump table.

Message DFHME0116 is normally produced containing the symptom string for this problem.

In many cases CICS continues to operate normally, and the resynchronization or connection establishment is retried in an attempt to overcome the session failure. However for APPC protocol, a repeated failure may have resulted in exchange log names flows being unsuccessful preventing any synclevel 2 attaches between the local system and the remote system.

For IRC protocol, resynchronization has failed but the connection continues to operate normally.

User Response: Issue CEMT INQUIRE CONN(*sysid*) and look at the XOK field. If exchange log names has not been done, the exchange log names process can be retried by issuing the CEMT SET CONN(*sysid*) RESYNC command.

Investigate the cause of the error using the system dump and any previously output diagnostic information provided by CICS, the access methods, or the operating system, and examine the log of the remote system. If a protocol violation was detected, the remote system may have generated diagnostic information itself.

Format the system dump to show the control blocks belonging to the trace domain. (For guidance on how to do this, see the *CICS Problem Determination Guide*.)

Determine from the message which session was being used for this exchange log names conversation.

If the internal trace table is available, use it to track the commands issued against that session and check that the state transitions of the User state machine are correct. If any of the state transitions are not valid, it is possible that there has been a CICS logic error.

Destination: Console and Transient Data Queue CSMT

Module: DFHCRRSY

XMEOUT Parameters: *date, time, applid, sessid, sysid, netname, protocol*

DFHRS2135 *date time applid* **An error has occurred while sending a compare states request on session** *sessid* **to remote system** *sysid***, netname** *netname***, protocol** *protocol***.**

Explanation: An error has occurred during the transmission of a compare states request to a remote system. CICS was attempting to resynchronize distributed resources following an earlier failure of a protected conversation during sync point processing.

This implies one of the following:

- The remote system has detected a protocol violation in the local system's exchange log names GDS variable.
- Some other error in communications has occurred.

System Action: For APPC protocol connections (but not IRC protocol), the failure may have prevented the completion of the exchange log names protocol and this prevents any synclevel 2 attaches between the local system and the remote system.

A system dump is taken unless you have specifically suppressed dumps in the dump table.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: For APPC protocol, investigate the state of the connection. Issue CEMT INQUIRE CONN(*sysid*) and look at the XOK field. If exchange log names has not been done, the exchange log names process can be retried by issuing the CEMT SET CONN(*sysid*) RESYNC command. If there has been previous successful contact between the systems the connection can be reset to its original state and retried. The state can be reset by issuing CEMT SET CONN(*sysid*) NORECOVDATA. It may be necessary to issue this command on both sides of the connection.

Note: If this command is issued, CICS unilaterally commits any resources which may be waiting for APPC resynchronization. In addition, CICS does not carry out any APPC resynchronization activity with the remote system.

The cause of the error may be indicated by diagnostic information produced by the remote system. Use the system dump taken by the local system to investigate the possibility of an error in the GDS variables.

Format the control blocks for the trace domain and the terminal control program. (For guidance on how to do this, see the *CICS Problem Determination Guide*.)

Determine from the message which session was being used for this exchange log names conversation.

The APPC send and receive buffers for a session are clearly labelled in the dump and are printed below the TCTTE for the session to which they belong. For IRC, the TIOA contains the equivalent data. Check that the data against the format of the exchange log names and compare states GDS variables. The correct format of this SNA defined field can be found in the *SNA Formats* manual.

Destination: Console and Transient Data Queue CSMT

Module: DFHCRRSY

XMEOUT Parameters: *date, time, applid, sessid, sysid, netname, protocol*

DFHRS2136 *date time applid* **An error has occurred while receiving an exchange log names reply on session** *sessid* **from remote system** *sysid*, **netname** *netname*, **protocol** *protocol*.

Explanation: An error has occurred during an attempt to receive exchange log names reply data from a remote system. CICS was attempting to initialize the connection, or to resynchronize distributed resources following an earlier failure of a protected conversation during sync point processing.

The message means that:

- The remote system has detected a protocol violation in the local system's exchange log names GDS variable or compare states GDS variable and sent an FMH7 to indicate the error.
- Some other error in communication has occurred in either the local or the remote system.

System Action: For APPC protocol the failure of exchange log names may mean that any synclevel 2 attaches are inhibited. This means that recoverable activity between the two systems is prevented.

For IRC protocol, the message indicates that resynchronization was attempted and failed. Communication continues.

A system dump is taken unless you have specifically suppressed dumps in the dump table.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: For APPC protocol, investigate the state of the connection. Issue CEMT INQUIRE CONN(*sysid*) and look at the XOK field. If exchange log names has not been done, the exchange log names process can be retried by issuing the CEMT SET CONN(*sysid*) RESYNC command. If there has been previous successful contact between the systems the connection may be reset to its original state and retried. The state can be reset by issuing CEMT SET CONN(*sysid*) NORECOVDATA. It may be necessary to issue this command (or its equivalent) on both sides of the connection.

Note: If this command is issued, CICS unilaterally commits any resources which may be waiting for APPC resynchronization. In addition CICS does not carry out any APPC resynchronization activity with the remote system.

The cause of the error may be indicated by diagnostic information produced by the remote system. Use the system dump taken by the local system to investigate the possibility of an error in the GDS variables.

Format the control blocks for the trace domain and the terminal control program. (For guidance on how to do this, see the *CICS Problem Determination Guide*.)

Determine from the message which session was being used for this exchange log names conversation.

The APPC send and receive buffers for a session are clearly labelled in the dump and are printed below the TCTTE for the session to which they belong. For IRC, the TIOA contains the equivalent data. Check the data against the format of the exchange log names and compare states GDS variables. The correct format of this SNA defined field can be found in the *SNA Formats* manual.

Destination: Console and Transient Data Queue CSMT

Module: DFHCRRSY

XMEOUT Parameters: *date, time, applid, sessid, sysid, netname, protocol*

DFHRS2137 *date time applid* **An error has occurred while receiving a compare states reply on session** *sessid* **from remote system** *sysid*, **netname** *netname*, **protocol** *protocol*.

Explanation: An error has occurred during the receipt of a compare states reply from a remote system. CICS was attempting to resynchronize distributed resources following an earlier failure of a protected conversation during sync point processing.

This implies one of the following:

- The remote system has detected a protocol violation in the local system's compare states GDS variable.
- There has been an internal error in CICS APPC processing.

System Action: A system dump is taken unless you have specifically suppressed dumps in the dump table.

Message DFHME0116 is normally produced containing the symptom string for this problem.

CICS continues to operate normally and the resynchronization attempt is retried at the next opportunity.

User Response: Investigate the cause of the error first by examining the log of the remote system which may have produced diagnostic information about the data it received. The problem can be investigated locally using the system dump and any previously output diagnostic information provided by CICS, the access methods, or the operating system.

Format the system dump to show the control blocks belonging to the trace domain and the terminal control program. (For guidance on how to do this, see the *CICS Problem Determination Guide*.)

Determine from the message which session was being used for this resynchronization conversation.

If the internal trace table is available, use this to track the commands issued against that session and check that the state transitions of the user state machine are correct. If any of the state transitions are not valid, it is possible that there has been a CICS logic error.

The APPC send and receive buffers for a session are clearly labelled in the dump and are printed below the TCTTE for the session to which they belong. Similar information is contained in the TIOA for IRC sessions. Locate the data for the session in question, and check that the contents of the buffer are correct. The buffer contains the compare states GDS variable. The correct format of this SNA defined data can be found in the *SNA Formats* manual.

Destination: Console and Transient Data Queue CSMT

Module: DFHCRRSY

XMEOUT Parameters: *date, time, applid, sessid, sysid, netname, protocol*

DFHRS2138 *date time applid* **Invalid exchange log names reply data has been received on session** *sessid* **from remote system** *sysid*, **netname** *netname*, **protocol** *protocol*.

Explanation: The local system has received data which it attempted to parse using the exchange log names reply GDS format. Either the data could not be parsed, or invalid data was detected.

This system was attempting to initialize the connection for synclevel 2 work, or to resynchronize distributed resources following an earlier failure of a protected conversation during sync point processing. Exchange log names was sent and an invalid reply received.

This failure implies an error in the remote system or a CICS logic error.

System Action: If resynchronization was being attempted it has failed and is retried at the next opportunity.

For APPC protocol connections (but not IRC protocol) the failure prevents the completion of the exchange log names protocol and this may prevent any synclevel 2 attaches between the local system and the remote system.

A system dump is taken unless you have specifically suppressed dumps in the dump table.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: For APPC protocol, investigate the state of the connection. Issue CEMT INQUIRE CONN(*sysid*) and look at the XOK field. If exchange log names has not been done, the exchange log names process can be retried by issuing the CEMT SET CONN(*sysid*) RESYNC command. If there has been previous successful contact between the systems the connection may be reset to its original state and retried. The state can be reset by issuing CEMT SET CONN(*sysid*) NORECOVDATA. It may be necessary to issue this command (or its equivalent) on both sides of the connection.

Note: If this command is issued, CICS unilaterally commits any resources which may be waiting for APPC resynchronization. In addition, CICS does not carry out any APPC resynchronization activity with the remote system.

Investigate the cause of the error using the system dump and any previously output diagnostic information provided by CICS, the access methods, or the operating system.

Format the system dump to show the control blocks belonging to the trace domain. (For guidance on how to do this, see the *CICS Problem Determination Guide*.)

An exception trace entry contains the received data, and the reason for the failure is interpreted. Check the format of the exchange log names reply GDS variable. The correct format of this SNA defined field can be found in the *SNA Formats* manual.

Destination: Console and Transient Data Queue CSMT

Module: DFHCRRSY

XMEOUT Parameters: *date, time, applid, sessid, sysid, netname, protocol*

DFHRS2139 *date time applid* **Invalid compare states reply data has been received on session** *sessid* **from remote system** *sysid***, netname** *netname***, protocol** *protocol***.**

Explanation: The local system has received data which it attempted to parse using the compare states reply GDS format. Either the data could not be parsed or invalid data was detected.

The local system was attempting to resynchronize distributed resources following an earlier failure of a protected conversation during sync point processing. Data from the remote system received in reply to the compare states was invalid.

This failure implies an error in the remote system or a CICS logic error.

System Action: A system dump is taken, unless you have specifically suppressed dumps in the dump table.

Message DFHME0116 is normally produced containing the symptom string for this problem.

The failure prevents the completion of the resynchronization of distributed resources.

User Response: Investigate any units of work for which resynchronization is outstanding using the CEMT INQUIRE UOWLINK SYSID(*sysid*) command. Use the same command on the remote system to determine whether to commit or backout the unit of work. Alternatively, for APPC connections, resynchronization can be overridden by issuing the CEMT SET CONN(*sysid*) NORECOVDATA command for the failing connection. It may be necessary to issue this command (or its equivalent) on both sides of the connection.

Note: If this command is issued, CICS unilaterally commits any resources which may be waiting for resynchronization. Also, CICS does not carry out any resynchronization activity with the remote system.

Investigate the cause of the error using the system dump. Format the system dump to show the control blocks belonging to the trace domain. (For guidance on how to do this, see the *CICS Problem Determination Guide*.)

An exception trace entry contains the received data, and the reason for the failure is interpreted. Check the format of the compare states reply GDS variable. The correct format of this SNA defined field can be found in the *SNA Formats* manual.

Destination: Console and Transient Data Queue CSMT

Module: DFHCRRSY

XMEOUT Parameters: *date, time, applid, sessid, sysid, netname, protocol*

DFHRS2140 *date time applid* **A protocol violation has occurred while resynchronizing with remote system** *sysid***, netname** *netname***, protocol** *protocol***, via session** *sessid***. The resynchronization was initiated by the local system.**

Explanation: The local system has detected a protocol violation while resynchronizing with the remote system. CICS was attempting to resynchronize distributed resources following an earlier failure of a protected conversation during sync point processing. The resynchronization was initiated by the local system.

This implies one of the following:

- An error was detected by the remote system and the resynchronization sequence was abnormally terminated.
- A logic error exists in the remote system which caused it to send invalid data.
- A CICS logic error.

System Action: CICS continues to operate normally and the resynchronization attempt is retried at the next opportunity.

A system dump is taken unless you have specifically suppressed dumps in the dump table.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Diagnostics may have been output by the local CICS system, the access methods, or the operating system. Also, investigate the cause of the error in the remote system. It may have produced diagnostic messages indicating why the resynchronization sequence was terminated.

The resynchronization sequence can be analyzed locally by formatting the system dump to show the control blocks belonging to the trace domain. (For guidance on how to do this, see the *CICS Problem Determination Guide*.)

Determine from the message which session was being used for this resynchronization conversation.

The trace entries for the DFHCRRSY program show the state of the conversation which was being used and the data received. At the point of failure a confirmation was expected from the remote system as the final flow in the sequence but was not received.

Compare the resynchronization flows with those documented in the *SNA LU6.2 Reference: Peer Protocols* manual, (SC30-6808). A possible cause of this error is that the remote system did not observe the correct protocols. Investigation at the remote system may be necessary.

Destination: Console and Transient Data Queue CSMT

Module: DFHCRRSY

XMEOUT Parameters: *date, time, applid, sysid, netname, protocol, sessid*

DFHRS2141 *date time applid* **A protocol violation has occurred while resynchronizing with remote system** *sysid***, netname** *netname***, protocol** *protocol***, via session** *sessid***. The resynchronization was initiated by the remote system.**

Explanation: The local system has detected a protocol violation while resynchronizing with the remote system. CICS was attempting to resynchronize distributed resources following an earlier failure of a protected conversation during sync point processing. The resynchronization was initiated by the remote system.

This implies one of the following:

- An error was detected by the remote system and the resynchronization sequence was abnormally terminated.
- A logic error exists in the remote system which caused it to send invalid data.
- A CICS logic error.

System Action: CICS continues to operate normally and the resynchronization attempt is retried at the next opportunity.

A system dump is taken unless you have specifically suppressed dumps in the dump table.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: See any diagnostics output by the local CICS system, the access methods, or the operating system. Also, investigate the cause of the error in the remote system; it may have produced diagnostic messages indicating why the resynchronization sequence was terminated.

The resynchronization sequence can be analyzed locally by formatting the system dump to show the control blocks belonging to the trace domain. (For guidance on how to do this, see the *CICS Problem Determination Guide*.)

Determine from the message which session was being used for this resynchronization conversation.

The trace entries for the DFHCRRSY program show the state of the conversation which was being used and the data received. At the point of failure a request confirmation message was expected from the remote system as the third flow in the sequence but was not received.

Compare the resynchronization flows with those documented in the *SNA LU6.2 Reference: Peer Protocols* manual, (SC30-6808). A possible cause of this error is that the remote system did not observe the correct protocols; investigation at the remote system may be necessary.

Destination: Console and Transient Data Queue CSMT

Module: DFHCRRSY

XMEOUT Parameters: *date, time, applid, sysid, netname, protocol, sessid*

DFHRS2142 *date time applid* **Compare states request data could not be received on session** *sessid* **from remote system** *sysid***, netname** *netname***, protocol** *protocol***.**

Explanation: The local system has received an exchange log names request from the remote system but failed while attempting to receive subsequent data which was assumed to be a compare states GDS variable. The remote system was probably attempting to resynchronize distributed resources following an earlier failure of a protected conversation during sync point processing.

This implies one of the following:

- An error in the remote system
- A session failure during the resynchronization
- A CICS logic error.

System Action: A system dump is taken unless you have specifically suppressed dumps in the dump table.

Message DFHME0116 is normally produced containing the symptom string for this problem.

The resynchronization attempt should be retried at the next opportunity by the remote system. However, for APPC protocol connections, the failure may have resulted in exchange log names flows being unsuccessful and this prevents any synclevel 2 attaches between the local system and the remote system.

User Response: Issue CEMT INQUIRE CONN(*sysid*) and look at the XOK field. If exchange log names has not been done, the error situation may be correctable by issuing CEMT SET CONN(*sysid*) RESYNC. If this fails to cure the problem, resynchronization can be canceled for an APPC connection by issuing the CEMT SET CONN(*sysid*) NORECOVDATA command for the failing connection. It may be necessary to issue this command (or its equivalent) on both sides of the connection.

Note: If this command is issued, CICS unilaterally commits any resources which may be waiting for resynchronization. In addition, CICS does not carry out any resynchronization activity with the remote system.

Investigate the cause of the error using the system dump and any previously output diagnostic information provided by CICS, the access methods, or the operating system.

Format the system dump to show the control blocks belonging to the trace domain. (For guidance on how to do this, see the *CICS Problem Determination Guide*.)

Locate the exception trace entries for the DFHCRRSY program and examine any data sent by the remote system. Also examine the state of the conversation at the point of failure. It should have been in receive state.

A possible cause is that the remote system did not send valid data or failed to follow the protocol for compare states. Compare the resynchronization flows with those documented in the *SNA LU6.2 Reference: Peer Protocols* manual, (SC30-6808). Investigation at the remote system may be necessary.

Destination: Console and Transient Data Queue CSMT

Module: DFHCRRSY

XMEOUT Parameters: *date, time, applid, sessid, sysid, netname, protocol*

DFHRS2143 *date time applid* **Do_know confirmation was not received on session** *sessid* **from remote system** *sysid***, netname** *netname***, protocol** *protocol***.**

Explanation: The local system sent a Do_know GDS variable to the remote system but did not receive a valid reply. This indicates an earlier failure of a protected conversation during sync point processing and the resolution of the unit of work. This system was using the Do_know GDS variable to cause resynchronization to be started by the remote system.

This implies an error in the remote system or a CICS logic error.

System Action: The resynchronization attempt should be retried at the next opportunity by the remote system.

A system dump is taken unless you have specifically suppressed dumps in the dump table.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Issue CEMT SET CONN(*sysid*) RESYNC to cause resynchronization to be retried.

Investigate the cause of the error using the system dump and any previously output diagnostic information provided by CICS, the access methods or the operating system.

Format the system dump to show the control blocks belonging to the trace domain. (For guidance on how to do this, see the *CICS Problem Determination Guide*.)

Locate the exception trace entries for the DFHCRRSY program and examine any data sent by the remote system. Also examine the state of the conversation at the point of failure.

A possible cause is that the remote system did not send valid data, or failed to follow the protocol for Do_Know in which case it may be necessary to obtain further diagnostic material from the remote system.

Destination: Console and Transient Data Queue CSMT

Module: DFHCRRSY

XMEOUT Parameters: *date, time, applid, sessid, sysid, netname, protocol*

DFHRS2144 *date time applid* **System_restart confirmation was not received on session** *sessid* **from remote system** *sysid***, netname** *netname***, protocol** *protocol***.**

Explanation: The local system sent a System_restart GDS variable to the remote system but did not receive a valid reply. This indicates that the local system has restarted and not previously contacted the remote system as part of the initiation of resynchronization protocols.

This indicates an error in the remote system or a CICS logic error.

System Action: The transmission of the message is retried the next time the connection is initialized.

A system dump is taken unless you have specifically suppressed dumps in the dump table.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Issue CEMT SET CONN(*sysid*) RESYNC to cause transmission to be retried.

Investigate the cause of the error using the system dump and any diagnostic information provided by CICS, the access methods, or the operating system.

Format the system dump to show the control blocks belonging to the trace domain. (For guidance on how to do this, see the *CICS Problem Determination Guide*.)

Locate the exception trace entries for the DFHCRRSY program and examine any data sent by the remote system. Also examine the state of the conversation at the point of failure.

A possible cause is that the remote system did not send valid data or failed to follow the protocol for the System_restart message. In this case it may be necessary to obtain further diagnostic material from the remote system.

Destination: Console and Transient Data Queue CSMT

Module: DFHCRRSY

XMEOUT Parameters: *date, time, applid, sessid, sysid, netname, protocol*

DFHRS2145 *date time applid* **Invalid exchange log names data has been received on session** *sessid* **from remote system** *sysid***, netname** *netname***, protocol** *protocol***.**

Explanation: The local system has received data which it attempted to parse using the exchange log names GDS format. Either the data could not be parsed or invalid data was detected.

The remote system was attempting to initialize the connection for synclevel 2 work or to resynchronize distributed resources following an earlier failure of a protected conversation during sync point processing. Exchange log names is sent in both of these cases.

This failure indicates either an error in the remote system or a CICS logic error.

System Action: A system dump is taken unless you have specifically suppressed dumps in the dump table.

Message DFHME0116 is normally produced containing the symptom string for this problem.

If resynchronization was being attempted, it has failed and is retried at the next opportunity.

For APPC protocol connections (but not IRC protocol), the failure prevents the completion of the exchange log names protocol. This prevents any synclevel 2 attaches between the local system and the remote system.

User Response: For APPC protocol connections, issue CEMT INQUIRE CONN(*sysid*) and look at the XOK field. If exchange log names has not been done but there has been previous contact between the systems, the error can be overridden by resetting the state of the connection. To do this, issue CEMT SET CONN(*sysid*) NORECOVDATA commands for the failing connection. It may be necessary to issue this command (or its equivalent) on both sides of the connection.

Note: If this command is issued, CICS unilaterally commits any resources waiting for APPC resynchronization. Also CICS does not carry out any APPC resynchronization activity with the remote system.

Investigate the cause of the error using the system dump and any previously output diagnostic information provided by CICS, the access methods, or the operating system.

Format the system dump to show the control blocks belonging to the trace domain. (For guidance on how to do this, see the *CICS Problem Determination Guide*.)

An exception trace entry contains the received data, and the reason for the failure is interpreted. Check the format of the exchange log names GDS variable. The correct format of this SNA defined field can be found in the *SNA Formats* manual.

The format of the GDS variable is incorrect and the cause of the error should be located. A likely cause is that the remote system did not send a valid GDS variable in which case it may be necessary to obtain further diagnostic material from the remote system.

Destination: Console and Transient Data Queue CSMT

Module: DFHCRRSY

XMEOUT Parameters: *date, time, applid, sessid, sysid, netname, protocol*

DFHRS2146 *date time applid* **Invalid compare states data has been received on session** *sessid* **from remote system** *sysid***, netname** *netname***, protocol** *protocol***.**

Explanation: The local system has received data which it attempted to parse using the compare states GDS format. Either the data could not be parsed or invalid data was detected.

The remote system was attempting to resynchronize distributed resources following an earlier failure of a protected conversation during sync point processing.

This failure indicates either an error in the remote system or a CICS logic error.

System Action: A system dump is taken unless you have specifically suppressed dumps in the dump table.

Message DFHME0116 is normally produced containing the symptom string for this problem.

The failure prevents the completion of the resynchronization of distributed resources.

User Response: Investigate any units of work for which resynchronization is outstanding using the command CEMT INQUIRE UOWLINK SYSID(*sysid*). Use the same command on the remote system to determine whether to commit or backout the unit of work. Alternatively, resynchronization can be overridden by issuing the CEMT SET CONN(*sysid*) NORECOVDATA command for the failing connection. It may be necessary to issue this command (or its equivalent) on both sides of the connection.

Note: If this command is issued, CICS unilaterally commits any resources which may be waiting for resynchronization. In addition CICS does not carry out any resynchronization activity with the remote system.

Investigate the cause of the error using the system dump and any diagnostic information provided by CICS, the access methods, or the operating system.

Format the system dump to show the control blocks belonging to the trace domain. (For guidance on how to do this, see the *CICS Problem Determination Guide*.)

An exception trace entry contains the received data, and the reason for the failure is interpreted. Check the format of the compare states GDS variable. The correct format of this SNA defined field can be found in the *SNA Formats* manual.

The format of the GDS variable is incorrect and the cause of the error should be located. A possible cause is that the remote system did not send a valid GDS variable, in which case it may be necessary to obtain further diagnostic material from the remote system.

Destination: Console and Transient Data Queue CSMT

Module: DFHCRRSY

XMEOUT Parameters: *date, time, applid, sessid, sysid, netname, protocol*

DFHRS2147 *date time applid* **Unrecognized data was received following transmission of an exchange log names reply on session** *sessid* **to remote system** *sysid***, netname** *netname***, protocol** *protocol***.**

Explanation: An exchange log names request was received from another system and a reply was sent. More data was expected from the other system but this was not recognized as part of the exchange log names protocol.

This implies one of the following:

- The remote system has detected a protocol violation in the local system's exchange log names reply GDS variable.
- There has been an internal error in CICS processing.

System Action: A system dump is taken unless you have specifically suppressed dumps in the dump table.

Message DFHME0116 is normally produced containing the symptom string for this problem.

For APPC protocol, the failure may have resulted in no exchange log name flows being successful preventing any synclevel 2 attaches between the local system and the remote system.

For IRC protocol, resynchronization may fail but communications links remain active.

User Response: For links using APPC protocol, issue CEMT INQUIRE CONN(*sysid*) and look at the XOK field. If exchange log names has not been done, the error situation can be overridden by issuing the CEMT SET CONN(*sysid*) NORECOVDATA command for the failing connection. It may be necessary to issue this command (or its equivalent) on both sides of the connection.

Note: If this command is issued, CICS unilaterally commits any resources which may be waiting for APPC resynchronization. In addition, CICS does not carry out any APPC resynchronization activity with the remote system.

Investigate the cause of the error using the system dump and any diagnostic information provided by CICS, the access methods, or the operating system. The remote system may also have created diagnostic messages if it detected an error in the data it received.

The data sent by the local system can be investigated by formatting the system dump to show the control blocks belonging to the trace domain and the terminal control program. (For guidance on how to do this, see the *CICS Problem Determination Guide*.)

Determine from the message which session was being used for this exchange log names conversation.

If the internal trace table is available, use it to track the commands issued against that session and check that the state transitions of the user state machine are correct. If any of the state transitions are not valid, it is possible that there has been a CICS logic error.

The APPC send and receive buffers for a session are clearly labelled in the dump and are printed below the TCTTE for the session to which they belong. The TIOA contains similar information for IRC. Locate the send/receive buffer for the session in question and check that the contents of the buffer are correct. The buffer should contain a valid exchange log names GDS reply variable. The correct format of this SNA defined field can be found in the *SNA Formats* manual.

Destination: Console and Transient Data Queue CSMT

Module: DFHCRRSY

XMEOUT Parameters: *date, time, applid, sessid, sysid, netname, protocol*

DFHRS2148 *date time applid* **Resynchronization with system** *sysid***, netname** *netname***, protocol** *protocol* **was attempted but was terminated because no partner log name was found.**

Explanation: CICS has initiated a resynchronization sequence following the failure of a protected conversation during syncpoint processing. No valid log name was found for the partner system. The resynchronization could not continue.

This message indicates that a CEMT SET CONNECTION NORECOVDATA command was issued before the resynchronization with the partner system could be completed. The UOW and UOWLINK describing the outstanding work have also been deleted.

System Action: None

User Response: None. This message is issued for information only.

Destination: CSMT

Module: DFHCRRSY

XMEOUT Parameters: *date, time, applid, sysid, netname, protocol*

DFHRS2149 *date time applid* **Resynchronization/Exchange log names with system** *netname* **(protocol** *protocol***) could not be executed because no suitable connection entry was found.**

Explanation: CICS has initiated a resynchronization sequence following the failure of a protected conversation during syncpoint processing. Data exists describing the conversation but no suitable connection definition was found for the partner system. The resynchronization could not continue because communications could not be established.

System Action: Processing continues.

User Response: The condition may be due to the discarding of the connection definition or to a cold start which has caused a connection definition to be deleted by CICS; the definition may have been autoinstalled. An autoinstalled definition may be reinstalled by subsequent activity in the system. Alternatively, a suitable definition can be installed manually using CEDA.

Destination: CSMT

Module: DFHCRRSY

XMEOUT Parameters: *date, time, applid, netname, protocol*

DFHRS2150 *date time applid* **Invalid data has been received during the resynchronization sequence on session** *sessid* **from remote system** *sysid***, netname** *netname***, protocol** *protocol***.**

Explanation: The local system has received data which it attempted to parse as one of the following types of SNA GDS data:

Exchange log names
Do_know
System_restart

The data could not be recognized.

The remote system was attempting to initialize the connection for synclevel 2 work, or to resynchronize distributed resources following an earlier failure of a protected conversation during sync point processing.

This failure implies one of the following:

- An error was detected by the remote system and it sent an error indication in an FMH7.
- An error has occurred in the remote system.
- A CICS logic error has occurred.

System Action: A system dump is taken unless you have specifically suppressed dumps in the dump table.

Message DFHME0116 is normally produced containing the symptom string for this problem.

If resynchronization was being attempted, it has failed and is retried at the next opportunity.

For APPC protocol connections (but not IRC protocol), the failure prevents the completion of the exchange log names protocol and this prevents any synclevel 2 attaches between the local system and the remote system.

User Response: For APPC protocol connections, issue CEMT INQUIRE CONN(*sysid*), and examine the XOK field. If exchange log names has not been done but there has been previous contact between the systems, the error can be overridden by resetting the state of the connection. To do this, issue the CEMT SET CONN(*sysid*) NORECOVDATA command for the failing connection. It may be necessary to issue this command (or its equivalent) on both sides of the connection.

Note: If this command is issued, CICS unilaterally commits any resources which may be waiting for APPC resynchronization. In addition, CICS does not carry out any APPC resynchronization activity with the remote system.

Investigate the cause of the error using the system dump and any diagnostic information provided by CICS, the access methods, or the operating system.

Format the system dump to show the control blocks belonging to the trace domain. (For guidance on this, see the *CICS Problem Determination Guide*.)

An trace entry contains the received data. Check the format of this data. The correct format of the SNA defined field can be found in the *SNA Formats* manual.

A possible cause is that the remote system did not send a valid GDS variable. In this case, it may be necessary to obtain further diagnostic material from the remote system.

Destination: Console and Transient Data Queue CSMT

Module: DFHCRRSY

XMEOUT Parameters: *date, time, applid, sessid, sysid, netname, protocol*

DFHRS2151 *date time applid* **Invalid data has been received during the resynchronization sequence on session** *sessid* **from remote system** *sysid***, netname** *netname***, protocol** *protocol***.**

Explanation: The local system was attempting to receive data as part of a resynchronization sequence but the conversation was in the wrong state or an error FMH was received.

The remote system was attempting to initialize the connection for synclevel 2 work or to resynchronize distributed resources following an earlier failure of a protected conversation during sync point processing.

The failure implies one of the following:

- An error was detected by the remote system and it sent an error indication in an FMH7.
- An error occurred in the remote system
- A CICS logic error has occurred.

System Action: A system dump is taken unless you have specifically suppressed dumps in the dump table.

Message DFHME0116 is normally produced containing the symptom string for this problem.

If resynchronization was being attempted, it has failed and will be retried at the next opportunity.

User Response: The sequence of resynchronization can be retried by issuing CEMT SET CONN(*sysid*) RESYNC.

Investigate the cause of the error using the system dump and any diagnostic information already issued by CICS, the access methods or the operating system.

Format the system dump to show the control blocks belonging to the trace domain. (For guidance on how to do this, see the *CICS Problem Determination Guide*.)

The trace entries show the state of the conversation with the remote system and the arrival of any error FMH indicating an error detected in the remote system. If necessary, obtain further diagnostic material from the remote system.

Destination: Console and Transient Data Queue CSMT

Module: DFHCRRSY

XMEOUT Parameters: *date, time, applid, sessid, sysid, netname, protocol*

DFHRS2152 *date time applid* **A conversation error has occurred during resynchronization sequence on session** *sessid* **initiated to remote system** *sysid***, netname** *netname***, protocol** *protocol***.**

Explanation: The local system has initiated a sequence of resynchronization exchanges with the partner system and has completed one or more of them. The conversation is not in the right state to continue the process.

The failure indicates either an error in the remote system or a CICS logic error.

System Action: A system dump is taken unless you have specifically suppressed dumps in the dump table.

Message DFHME0116 is normally produced containing the symptom string for this problem.

If resynchronization was being attempted, it has failed and is retried at the next opportunity.

User Response: The sequence of resynchronization can be retried by issuing CEMT SET CONN(*sysid*) RESYNC.

Investigate the cause of the error using the system dump and any diagnostic information provided by CICS, the access methods, or the operating system.

Format the system dump to show the control blocks belonging to the trace domain. (For guidance on how to do this, see the *CICS Problem Determination Guide*.)

The trace entries show the state of the conversation with the remote system. The arrival of any error FMH indicates an error in the remote system. In this case it may be necessary to obtain further diagnostic material from the remote system.

Destination: Console and Transient Data Queue CSMT

Module: DFHCRRSY

XMEOUT Parameters: *date, time, applid, sessid, sysid, netname, protocol*

DFHRS2153 *date time applid* **An error has occurred while sending a system_restart request on session** *sessid* **to remote system** *sysid***, netname** *netname***, protocol** *protocol***.**

Explanation: An error has occurred during the transmission of a System_restart request to a remote system. CICS was attempting to resynchronize distributed resources following an earlier failure of a protected conversation during sync point processing.

This implies one of the following:

- The remote system has detected a protocol violation during the preceding exchange log names sequence.
- Some other error in communications has occurred.

System Action: A system dump is taken unless you have specifically suppressed dumps in the dump table.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: The cause of the error may be indicated by diagnostic information produced by the remote system. Diagnostics issued by the local system, the access method, or the operating system may indicate a reason for the failure. Format the system dump to show the control blocks belonging to the trace domain. (For guidance on how to do this, see the *CICS Problem Determination Guide*.)

Determine from the message which session was being used for this exchange log names conversation.

If the internal trace table is available, use it to track the commands issued against the session reported in the message. Check that the state transitions of the user state machine are correct and that the conversation was in send state at the time of the error. If any of the state transitions are not valid, there may have been a CICS logic error.

Destination: Console and Transient Data Queue CSMT

Module: DFHCRRSY

XMEOUT Parameters: *date, time, applid, sessid, sysid, netname, protocol*

DFHRS2154 *date time applid* **A logic error has occurred during resynchronization with system** *sysid***, netname** *netname***.**

Explanation: A logic error has occurred during resynchronization with the partner system.

The local data associated with the resynchronization was locked at the start of processing but could not be unlocked at the end.

System Action: A system dump is taken unless you have specifically suppressed dumps in the dump table.

Message DFHME0116 is normally produced containing the symptom string for this problem.

An ASQL abend is subsequently issued by the transaction processing the resynchronization, and a transaction dump is taken.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CSMT

Module: DFHCRRSY

XMEOUT Parameters: *date, time, applid, sysid, netname*

DFHRS2155 *date time applid* **Affinity changed by partner resource known as connection** *sysid***, netname** *netname***. Old LUNAME was** *old-luname***, new LUNAME is** *new-luname***.**

Explanation: A change in the generic resource member associated with the partner system has occurred but the local system has resynchronization work to complete.

The local system has previously made contact with the generic resource known as connection *sysid* (netname *netname*), and synclevel(2) work has been exchanged with the assigned member, identified by *old-luname*. Since that time, the affinity with *old-luname* has been changed to *new-luname* by action in the remote system. Resynchronization of the synclevel(2) work cannot take place.

System Action: No system action is taken, but subsequent messages may indicate an exchange log names failure which could prevent the connection being used for synclevel(2) work. Alternatively, messages may indicate that resynchronization work has subsequently been erased by CICS as a result of the XLNACTION setting on the connection definition.

Destination: CSMT

Module: DFHCRRSY

XMEOUT Parameters: *date, time, applid, sysid, netname, old-luname, new-luname*

DFHRS2156 *date time applid* **A logic error occurred during resynchronization with system** *sysid***, netname** *netname***.**

Explanation: The CLS2 transaction was processing exchange lognames or resynchronization for a connected partner identified by a netname *netname*. The connection entry associated with this netname is *sysid*, and was located and locked, but could not be unlocked in subsequent processing. This indicates a CICS internal logic error.

System Action: A system dump is taken unless you have specifically suppressed dumps in the dump table.

Message DFHME0116 is normally produced containing the symptom string for this problem.

An ASQK abend is subsequently issued by the transaction processing the resynchronization, and a transaction dump is taken.

User Response: The condition indicates an error in the CICS table manager (which may have produced its own exception trace records), or in the resynchronization program itself. You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CSMT

Module: DFHCRRSY

XMEOUT Parameters: *date, time, applid, sysid, netname*

DFHRS2157 *date time applid* **A logic error has occurred during resynchronization with system** *sysid***, netname** *netname***.**

Explanation: The CLS2 transaction was executing exchange log names and attempted to save a log name received from system *sysid* (netname *netname*) by invoking the CICS recovery manager domain. This operation failed because of a CICS internal error in the recovery manager domain or in the resynchronization program.

System Action: The transaction is terminated with a transaction dump. A system dump is taken unless you have specifically suppressed dumps in the dump table. Abend ASQI is subsequently issued.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CSMT

Module: DFHCRRSY

XMEOUT Parameters: *date, time, applid, sysid, netname*

DFHRS2158 *date time applid* **A logic error has occurred during resynchronization with system** *sysid***, netname** *netname***.**

Explanation: The CLS2 transaction was executing exchange log names or resynchronization with system *sysid* (netname *netname*). A CICS internal error prevented the successful completion of the operation.

System Action: The transaction is terminated with a transaction dump. A system dump is taken unless you have specifically suppressed dumps in the dump table. Abend ASQB may subsequently be issued.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CSMT

Module: DFHCRRSY

XMEOUT Parameters: *date, time, applid, sysid, netname*

DFHRTxxxx messages

DFHRT0001 *applid* **An abend (code** *aaa/bbbb***) has occurred at offset** *X'offset'* **in module** *modname***.**

Explanation: An abnormal end (abend) or program check has occurred in module *modname*. This implies that there may be an error in the CICS code. Alternatively, unexpected data has been input, or storage has been overwritten.

The code *aaa/bbbb* is a 3-digit hexadecimal MVS code (if applicable), followed by a 4-digit alphanumeric CICS code. The MVS code is a system completion code (for example, 0C1 or D37). If an MVS code is not applicable, this field is filled with three hyphens. The CICS code is an abend code or a number referring to a CICS message (for example, AKEA is a CICS abend code; 1310 refers to message DFHTS1310).

System Action: An exception entry is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS continues unless you have specified in the dump table that CICS should terminate. If appropriate, an error return code is sent to the caller of this domain. In this case CICS could be terminated by the caller (for example, the domain manager, DFHDMDM). A message is issued to this effect.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Notify the system programmer. If CICS is still running, it is necessary to decide whether to terminate CICS.

Look up the MVS code, if there is one, in the *OS/390 MVS System Codes* manual.

Next, look up the CICS abend code. This tells you, for example, whether the error was a program check, an abend, or a runaway, and may give you some guidance concerning user response.

If module *modname* is not crucial to the running of your CICS system, you may decide to continue to run and bring CICS down at a convenient time to resolve the problem.

If you cannot run without the full use of module *modname* you should bring CICS down in a controlled shutdown.

For further information about *code*, see the *CICS Problem Determination Guide*.

You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Module: DFHRTSU

XMEOUT Parameters: *applid, aaa/bbbb, X'offset', modname*

DFHRT0002 *applid* **A severe error (code** *X'code'***) has occurred in module** *modname***.**

Explanation: An error has been detected in module *modname*. The code X'*code*' is the exception trace point ID which uniquely identifies what the error is and where the error was detected.

System Action: An exception entry (code X'*code*' in the message) is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS continues unless you have specified in the dump table that CICS should terminate. If appropriate, an error return code is sent to the caller of this domain. In this case, CICS could be terminated by the caller (for example, the domain manager, DFHDMDM). A message is issued to this effect.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: This indicates a possible error in CICS code. The severity of its impact depends on the importance of the function being executed at the time of the error.

CICS may not have been terminated. If the message occurs once and module *modname* is not crucial to the running of your CICS system, you may decide to continue to run and bring CICS down at a convenient time to resolve the problem.

If the message recurs or if you cannot run without the full use of module *modname*, you should bring CICS down in a controlled shutdown.

You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Module: DFHRTSU

XMEOUT Parameters: *applid, X'code', modname*

DFHRT4401 *time applid* **No transaction identification specified. Please try again.**

Explanation: The terminal operator has not entered an identifier for this transaction.

System Action: CICS processing continues.

User Response: Enter a valid transaction identifier.

Destination: Terminal End User

Module: DFHRTE

DFHRT4402 *time applid* **You cannot use a Program Function key to start transactions on other systems.**

Explanation: Program function keys cannot be used to initiate a transaction on another system using the routing transaction (CRTE).

System Action: CICS processing continues.

User Response: Enter a valid transaction identifier.

Destination: Terminal End User

Module: DFHRTE

DFHRT4403 *time applid* **The routing session to system** *sysid* **has been terminated. Further transactions will not be routed to the connected system.**

Explanation: The routing session has been terminated. Subsequent transaction identifiers will not be shipped to the connected system.

System Action: CICS processing continues without the connection to system *sysid*.

User Response: If you need to use system *sysid*, investigate why the routing session has terminated.

Destination: Terminal End User

Module: DFHRTE

DFHRT4404 *time applid* **Please change format of request to CRTE SYSID=XXXX,TRPROF=YYYYYYYY.**

Explanation: The request to the routing transaction CRTE contained incorrect syntax.

System Action: CICS processing continues.

User Response: Reenter the request to the routing transaction CRTE using the correct syntax.

Destination: Terminal End User

Module: DFHRTE

DFHRT4405 *time applid* **System** *sysid* **cannot be found. Please check that you have used the correct system name.**

Explanation: System *sysid* is not defined to CICS.

System Action: CICS processing continues.

User Response: Check that you have used the correct system name. Either reenter the request specifying the correct system name, or define system *sysid* to CICS.

Destination: Terminal End User

Module: DFHRTE

DFHRT4406 *time applid* **System** *sysid* **is not in service or is released.**

Explanation: The system *sysid* is not currently in service, or is released.

System Action: CICS processing continues. If a routing session had been established before the connection became unavailable, it remains in force until the user enters CANCEL. If the connection becomes usable before this, transactions are again routed. If this message is in response to the initial CRTE command, no routing session is in force and no routing is attempted for subsequent terminal input.

User Response: Wait until system *sysid* becomes available. Enter CANCEL to terminate an existing routing session.

Destination: Terminal End User

Module: DFHRTE

DFHRT4407 *time applid* **This system does not include support of Intersystem Communication.**

Explanation: The system has not been generated with support for intersystem communication.

System Action: CICS processing continues without support for intersystem communication.

User Response: Generate the system with support for intersystem communication.

Destination: Terminal End User

Module: DFHRTE

DFHRT4408 *time applid* **Terminal** *termid* **is not of the type supported by routing transaction** *tranid***.**

Explanation: The routing transaction does not support the type of terminal being used.

System Action: CICS processing continues without support for terminal *termid*.

User Response: Use a terminal of the type supported by the routing transaction, that is, a 3270 display terminal or a console.

Destination: Terminal End User

Module: DFHRTE

DFHRT4409 *time applid* **The routing session to system** *sysid* **has been started.**

Explanation: The routing session has been started.

System Action: CICS processing continues.

User Response: None.

Destination: Terminal End User

Module: DFHRTE

DFHRT4410 *time applid* **System** *sysid* **is unavailable. The routing session to it is terminated.**

Explanation: The routing transaction has been terminated because the system became unavailable. Subsequent transaction identifiers will not be shipped to the connected system.

System Action: CICS processing continues.

User Response: If appropriate, re-enter the transaction when the routing session to system *sysid* becomes available.

Destination: Terminal End User

Module: DFHRTE

DFHRT4411 *time applid* **The Communication Profile cannot be found.**

Explanation: The profile, specified for a transaction invoked from the terminal to which the message is directed, is not defined to CICS.

System Action: CICS stops initialization of the transaction.

User Response: Define the communication profile to CICS and reinvoke the transaction. For further information on how to define the profile, refer to the *CICS Distributed Transaction Programming Guide*.

Destination: Terminal End User

Module: DFHRTE

DFHRT4412 *time applid* **The transaction code is not defined on the remote system.**

Explanation: A transaction identification, routed to a remote CICS system, is not an installed transaction definition in the remote system. CICS directs this message to the terminal at which the transaction identification was entered.

This message is similar to DFHAC2001 in a local system.

System Action: CICS stops initialization of the transaction.

User Response: Enter a valid transaction ID, or install the transaction on the remote system.

Destination: Terminal End User

Module: DFHZTSP

DFHRT4413 *time applid* **The transaction has been disabled on the remote system.**

Explanation: A transaction, routed to a remote CICS system, is disabled in the installed transaction definition of the remote system. CICS directs this message to the terminal at which the transaction identification was entered.

This message is similar to DFHAC2008 in a local system.

System Action: CICS stops initialization of the transaction.

User Response: Enable the transaction on the remote system.

Destination: Terminal End User

Module: DFHZTSP

DFHRT4414 *time applid* **Transaction** *tranid* **cannot run. CICS shutdown is in progress in the remote system.**

Explanation: A transaction *tranid* was routed to a remote CICS system that was being quiesced. CICS directs this message to the terminal at which the transaction identification was entered.

This message is similar to DFHAC2007 in a local system.

System Action: The remote CICS system continues quiescing.

User Response: Reenter the transaction when the remote CICS system is in normal execution mode.

Destination: Terminal End User

Module: DFHZTSP

DFHRT4415 *time applid* **Transaction CXRT was invoked directly by terminal input. This is not allowed.**

Explanation: The transaction code CXRT, which is reserved for an internal CICS transaction, was entered from a terminal.

System Action: The transaction is run with no effect.

User Response: Do not enter transaction code CXRT at a terminal.

Destination: Terminal End User

Module: DFHCRT

DFHRT4416 *date time applid* **Abend** *abcode* **has occurred in the** *{Dynamic | Distributed}* **Routing Program. Module name:** *modname***.**

Explanation: Either the dynamic routing program or the distributed routing program has abnormally terminated with abend code *abcode*.

System Action:

1. Transaction Routing - normal transaction abend processing continues.
2. Dynamic Distributed Program Link - a PGMIDERR condition is returned to the program issuing the Link command.
3. Non-terminal dynamically routed start requests - normal transaction abend processing continues unless the abend is during task termination. In this case message DFHRT4423 is issued.

User Response: See the description of abend code *abcode* for further guidance.

If the code is not a CICS transaction abend code, it is a user abend code. Request an explanation from the programmer responsible for this area.

Destination: CSMT

Modules: DFHAPRT, DFHEIIC, DFHEPC, DFHICXM

XMEOUT Parameters: *date, time, applid, abcode, {1=Dynamic, 2=Distributed}, modname*

DFHRT4417 *date time applid* **Abend** *abcode* **in** *modname* **-** *{Dynamic | Distributed}* **routing program must be AMODE=31.**

Explanation: CICS has failed to link to EITHER the dynamic routing program OR the distributed routing program because it is not AMODE 31.

System Action:

1. Transaction Routing - normal transaction abend processing continues.
2. Dynamic Distributed Program Link - a PGMIDERR condition is returned to the program issuing the Link command.
3. Non-terminal dynamically routed start requests - normal transaction abend processing continues unless the abend is during task termination. In this case message DFHRT4423 is issued.

User Response: Recompile, reassemble, and link edit the dynamic routing program to AMODE 31.

Destination: CSMT

Modules: DFHAPRT, DFHEIIC, DFHEPC, DFHICXM

XMEOUT Parameters: *date, time, applid, abcode, modname, {1=Dynamic, 2=Distributed}*

DFHRT4418 *date time applid* **Abend** *abcode* **in** *modname* **-** *{Dynamic | Distributed}* **routing program PPT entry not found.**

Explanation: CICS was unable to find a PPT entry for EITHER the dynamic routing program OR the distributed routing program.

System Action:

1. Transaction Routing - normal transaction abend processing continues.
2. Dynamic Distributed Program Link - a PGMIDERR condition is returned to the program issuing the Link command.
3. Non-terminal dynamically routed start requests - normal transaction abend processing continues unless the abend is during task termination. In this case message DFHRT4423 is issued.

User Response: Ensure that EITHER

1. the dynamic routing program specified by the system initialization parameter DTRPGM=*program name*, or specified via the EXEC CICS SET SYSTEM DTRPROGRAM(*program name*) has been correctly defined to CICS
2. the distributed routing program specified by the system initialization parameter DSRTPGM=*program name*, or specified via the EXEC CICS SET SYSTEM DSRTPROGRAM(*program name*) has been correctly defined to CICS

Destination: CSMT

Modules: DFHAPRT, DFHEIIC, DFHEPC, DFHICXM

XMEOUT Parameters: *date, time, applid, abcode, modname, {1=Dynamic, 2=Distributed}*

DFHRT4419 *date time applid* **Abend** *abcode* **in** *modname* **- Fetch for** *{dynamic | distributed}* **routing program failed.**

Explanation: CICS was unable to load EITHER the dynamic routing program or. the distributed routing program.

System Action:

1. Transaction Routing - normal transaction abend processing continues.
2. Dynamic Distributed Program Link - a PGMIDERR condition is returned to the program issuing the Link command.
3. Non-terminal dynamically routed start requests - normal transaction abend processing continues unless the abend is during task termination. In this case message DFHRT4423 is issued.

User Response: Ensure that EITHER

1. the dynamic routing program specified by the system initialization parameter DTRPGM=*program name*, or specified via the EXEC CICS SET SYSTEM DTRPROGRAM(*program name*) has been correctly defined. Ensure that it is also in a load library accessible to CICS.
2. the distributed routing program specified by the system initialization parameter DSRTPGM=*program name*, or specified via the EXEC CICS SET SYSTEM DSRTPROGRAM(*program name*) has been correctly defined. Ensure that it is also in a load library accessible to CICS.

Destination: CSMT

Modules: DFHAPRT, DFHEIIC, DFHEPC, DFHICXM

XMEOUT Parameters: *date, time, applid, abcode, modname, {1=dynamic, 2=distributed}*

DFHRT4420 *date time applid* **Abend** *abcode* **in** *modname* **- Link to the** *{dynamic | distributed}* **routing program failed.**

Explanation: An unexpected return code was returned from the link to the dynamic routing program.

System Action:

1. Transaction Routing - normal transaction abend processing continues.
2. Dynamic Distributed Program Link - a PGMIDERR condition is returned to the program issuing the Link command.
3. Non-terminal dynamically routed start requests - normal transaction abend processing continues unless the abend is during task termination. In this case message DFHRT4423 is issued.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CSMT

Modules: DFHAPRT, DFHEIIC, DFHEPC, DFHICXM

XMEOUT Parameters: *date, time, applid, abcode, modname, {1=dynamic, 2=distributed}*

DFHRT4421 *date time applid* **Unable to Delete remote Terminal** *termid* **that is connected to system** *sysid***.**

Explanation: A transaction could not be started because the remote terminal definition for *termid*, system *sysid* was flagged for deletion but the DELETE failed. This might indicate a transaction looping on the terminal.

System Action: The user transaction abends with abend code AZTI.

User Response: See the associated DFHZCxxxx messages for further guidance. Once corrected, you can attempt to run the transaction again.

Destination: Console and Transient Data Queue CSMT

Module: DFHZTSP

XMEOUT Parameters: *date, time, applid, termid, sysid*

DFHRT4422 *time applid* **The connection to system** *sysid* **does not support transaction routing. Please check that you have used the correct system name.**

Explanation: The connection to system *sysid* is not an MRO or APPC connection.

System Action: CICS processing continues.

User Response: Check that you have used the correct system name. Either reenter the request specifying the correct system name, or define the connection to system *sysid* as an MRO or APPC connection.

Destination: Terminal End User

Module: DFHRTE

DFHRT4423 *date time applid* **An error has occurred while attempting to invoke the distributed routing program.**

Explanation: An error has been detected while attempting to invoke the distributed routing program for a non-terminal start request. This error would normally result in a transaction abend but in this case no abend is issued because doing so would result in the task being suspended indefinitely.

System Action: None

User Response: See the preceeding DFHRTxxxx messages for further guidance.

Destination: Console and Transient Data Queue CSMT

Module: DFHICXM

XMEOUT Parameters: *date, time, applid*

DFHRT4480 *time applid* **The CSSF transaction is no longer supported. Please use CESF.**

Explanation: A user has attempted to run the CSSF transaction. The CSSF transaction is only invoked internally by CICS for CRTE cancel processing.

System Action: The transaction terminates.

User Response: Use the CESF transaction to sign off.

Destination: Terminal End User

Module: DFHRTC

DFHRUxxxx messages

DFHRU2816 *applid* **Exit program** *progname* **is not available**

Explanation: The user-defined global exit program, *progname*, is

- not defined, or
- disabled, or
- missing from the program library.

System Action: CICS abnormally terminates the recovery control restart task with transaction abend ARCB. CICS then terminates abnormally.

User Response: Make program *progname* available.

Destination: Console

Module: DFHRCEX

XMEOUT Parameters: *applid, progname*

DFHRXxxxx messages

DFHRX0001 *applid* **An abend (code** *aaa/bbbb***) has occurred at offset** *X'offset'* **in module** *modname***.**

Explanation: An abnormal end (abend) or program check has occurred in module *modname*. This implies that there may be an error in the CICS code. Alternatively, unexpected data has been input, or storage has been overwritten.

The code *aaa/bbbb* is a 3-digit hexadecimal MVS code (if applicable), followed by a 4-digit alphanumeric CICS code. The MVS code is a system completion code (for example, 0C1 or D37). If an MVS code is not applicable, this field is filled with three

hyphens. The CICS code is an abend code or a number referring to a CICS message (for example, AKEA is a CICS abend code; 1310 refers to message DFHTS1310).

System Action: An exception entry is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS continues unless you have specified in the dump table that CICS should terminate. If appropriate, an error return code is sent to the caller of this domain. In this case CICS could be terminated by the caller (for example, the domain manager, DFHDMDM). A message is issued to this effect.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Notify the system programmer. If CICS is still running, it is necessary to decide whether to terminate CICS.

Look up the MVS code, if there is one, in the relevant MVS codes manual.

Next, look up the CICS alphanumeric code. This tells you, for example, whether the error was a program check, an abend, or a runaway, and may give you some guidance concerning user response.

If module *modname* is not crucial to the running of your CICS system, you may decide to continue to run and bring CICS down at a convenient time to resolve the problem.

If you cannot run without the full use of module *modname* you should bring CICS down in a controlled shutdown.

You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Module: DFHRXDM

XMEOUT Parameters: *applid, aaa/bbbb, X'offset', modname*

DFHRX0002 *applid* **A severe error (code** *X'code'***) has occurred in module** *modname***.**

Explanation: An error has been detected in module *modname*. The code X'*code*' is the exception trace point ID which uniquely identifies what the error is and where the error was detected.

System Action: An exception entry (code X'*code*' in the message) is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS continues unless you have specified in the dump table that CICS should terminate. If appropriate, an error return code is sent to the caller of this domain. In this case, CICS could be terminated by the caller (for example, the domain manager, DFHDMDM). A message is issued to this effect.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: This indicates a possible error in CICS code. The severity of its impact depends on the importance of the function being executed at the time of the error.

CICS may not have been terminated. If the message occurs once and module *modname* is not crucial to the running of your CICS system, you may decide to continue to run and bring CICS down at a convenient time to resolve the problem.

If the message recurs or if you cannot run without the full use of module *modname*, you should bring CICS down in a controlled shutdown.

You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Module: DFHRXDM

XMEOUT Parameters: *applid, X'code', modname*

DFHRX0100I *applid* **RX domain initialization has started.**

Explanation: This is an informational message indicating the start of RX domain initialization.

System Action: Initialization continues.

User Response: None. You can suppress this message with the system initialization parameter, MSGLVL=0.

Destination: Console

Module: DFHRXDM

XMEOUT Parameter: *applid*

DFHRX0101I *applid* **RX domain initialization has ended.**

Explanation: RX domain initialization has completed successfully.

System Action: Initialization continues.

User Response: None. You can suppress this message with the system initialization parameter, MSGLVL=0.

Destination: Console

Module: DFHRXDM

XMEOUT Parameter: *applid*

DFHRX0102 *applid* **Errors were encountered during initialization of the RX domain. Domain initialization has ended.**

Explanation: Errors have been detected by the Resource Recovery Services (RX) domain during CICS initialization. Accompanying messages describe the nature of the errors.

System Action: A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS continues unless you have specified in the dump table that CICS should terminate.

User Response: If your CICS system will not use any services that depend on Resource Recovery Services, no action is necessary. Otherwise, you will need to shut CICS down, and restart it once the problems identified by the earlier messages have been corrected.

Destination: Console

Module: DFHRXDM

XMEOUT Parameter: *applid*

DFHRX0103 *applid* **An unexpected return code** *X'rc'* **was received from RRMS service** *xxxxxxxx***.**

Explanation: An unexpected return code was received when CICS issued a request to Recoverable Resource Management Services (RRMS). The name of the RRMS service included in the message indicates the component of RRMS as follows:

CRGxxxx Registration Services

CTXxxxx Context Services

ATRxxxx Resource Recovery Services (RRS)

This message may indicate a problem with RRMS.

System Action: CICS continues, but - depending on the service and the return code - CICS services that depend on RRMS may not be available. Further messages will provide more information.

User Response: Record the name of the RRMS service and the return code. RRMS return codes are documented in *GC28-1793 OS/390 MVS Programming: Resource Recovery*.

If you are unable to determine the cause of the problem from this information, you may need assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Modules: DFHRXDM, DFHRXUW

XMEOUT Parameters: *applid, X'rc', xxxxxxxx*

DFHRX0104I *applid* **The Resource Recovery Services (RRS) exit manager** *aaaaaaaaaaaaaaaa* **is now available.**

Explanation: This message is issued when CICS discovers that a Resource Recovery Services (RRS) exit manager is available. The insert *aaaaaaaaaaaaaaaa* is the name of the exit manager.

System Action: CICS begins restart processing with RRS.

User Response: None. You can suppress this message with the system initialization parameter, MSGLVL=0.

Destination: Console

Module: DFHRXDM

XMEOUT Parameters: *applid, aaaaaaaaaaaaaaaa*

DFHRX0105I *applid* **The Resource Recovery Services (RRS) exit manager** *aaaaaaaaaaaaaaaa* **is now unavailable.**

Explanation: This message is issued when CICS discovers that a Resource Recovery Services (RRS) exit manager is unavailable. The insert *aaaaaaaaaaaaaaaa* is the name of the exit manager. Transactions which use RRS to coordinate their updates cannot be successfully executed.

System Action: CICS continues. Message DFHRX0104 will be issued when the exit manager becomes available once more.

User Response: None. You can suppress this message with the system initialization parameter, MSGLVL=0.

Destination: Console

Module: DFHRXDM

XMEOUT Parameters: *applid, aaaaaaaaaaaaaaaa*

DFHRX0106I *applid* **Restart processing with Resource Recovery Services (RRS) is beginning.**

Explanation: This message is issued when CICS begins restart processing with Resource Recovery Services (RRS).

System Action: CICS continues.

User Response: None. You can suppress this message with the system initialization parameter, MSGLVL=0.

Destination: Console

Module: DFHRXDM

XMEOUT Parameter: *applid*

DFHRX0107I *applid* **Restart processing with Resource Recovery Services (RRS) has ended.**

Explanation: This message is issued when restart processing with Resource Recovery Services (RRS) ends. If RRS has become unavailable during restart processing (indicated by message DFHRX0105) restart processing may be incomplete.

System Action: CICS continues. If RRS has become unavailable, CICS will resume restart processing when RRS becomes available once more.

User Response: None. You can suppress this message with the system initialization parameter, MSGLVL=0.

Destination: Console

Module: DFHRXDM

XMEOUT Parameter: *applid*

DFHRX0108 *date time applid* **Log name mismatch with Resource Recovery Services. Expected Log name** *logname***. Received Log name** *logname***.**

Explanation: During the exchange of log names with Resource Recovery Services (RRS), which occurred when RRS restarted, this system's memory of RRS's log name did not match the log name retrieved from RRS. RRS may have performed a cold start.

System Action: CICS execution continues. Units of work that are awaiting resynchronization with RRS will not be resolved automatically.

User Response: The associated units of work may need to be resolved by using CEMT SET UOW. The message should not recur.

Destination: Console and Transient Data Queue CSMT

Module: DFHRXDM

XMEOUT Parameters: *date, time, applid, logname, logname*

DFHRX0109 *date time applid* **Invalid pass token received on connection** *sysid* **session** *termid***.**

Explanation: A batch program using the extended External CICS Interface (EXCI) has issued a DPL request which does not include the SYNCONRETURN option. However, the value of the pass token received from the batch region does not match that which was lodged with Recoverable Resource Management Services (RRMS) in the batch region.

System Action: DFHRXUW provides console message DFHRX0002, and possibly a system dump (depending on the options in the dump table). The transactional DPL request will not be processed, and the batch job which issued the request may be suspended until it times out.

User Response: Investigate why the pass token was incorrect. It is possible that an unauthorized user has attempted to guess the value of the pass token in order to influence the outcome of a Unit of Work that has expressed interest in an RRMS Unit of Recovery.

If you are satisfied that there has been no attempt to interfere with the pass token, you may need further assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: Console and Transient Data Queue CSCS

Module: DFHRXUW

XMEOUT Parameters: *date, time, applid, sysid, termid*

DFHRX0110 *applid* **Restart processing with Resource Recovery Services (RRS) was attempted on the wrong system.**

Explanation: Resource Recovery Services (RRS) has rejected a request to begin restart processing because there is incomplete recoverable work associated with this CICS applid on another system in the sysplex.

System Action: CICS execution continues, but CICS services that depend upon RRS will not be available until the problem is corrected.

User Response: If your CICS system will not use any services that depend on RRS, no action is necessary. Otherwise, close CICS down and restart it on the correct system in the sysplex. Use the RRS ISPF panels to scan the RRS Resource Manager Data log in order to find the correct system on which to restart CICS.

If, for some reason, you cannot restart CICS on another system in the sysplex, you can take the following steps. However, if you do so, resources may be out of synchronization:

1. Use the RRS Unit of Recovery list panels to force completion of the incomplete recoverable work
2. Restart CICS or RRS
3. Force any CICS units of work that are awaiting resolution from RRS.

Destination: Console

Module: DFHRXDM

XMEOUT Parameter: *applid*

DFHSHxxxx messages

DFHSH0001 *applid* **An abend (code** *code***) has occurred at offset** *X'offset'* **in module** *module***.**

Explanation: An unexpected program check or abend occurred with abend code *aaa/bbbb*.

The program status word (PSW) at the time of the program check or abend indicated that CICS was executing at offset X'*offset*' in module *modname*. This may have been caused by corruption of CICS code or control blocks.

System Action: A system dump is taken and the system attempts to continue operation unless otherwise directed by entries in the dump table.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Investigate the cause of the program check or abend using the system dump and any previously output diagnostic information provided by CICS, the access methods, or the operating system.

If you cannot resolve the problem, you will need further assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Modules: DFHSHRT1, DFHSHRT2, DFHSHDM, DFHSHPR, DFHSHRQ, DFHSHSY

XMEOUT Parameters: *applid, code, X'offset', module*

DFHSH0002 *applid* **A severe error (code** *X'code***) has occurred in module** *module***.**

Explanation: The SH domain has received an unexpected error response from some other part of CICS. The operation requested by recovery manager is described by code X'*code*'.

For further information about CICS exception trace entries, refer to the *CICS Problem Determination Guide*.

System Action: A system dump is taken and the system attempts to continue operation unless specifically inhibited by dump table entries.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Investigate the cause of the problem as follows:

1. Determine if the problem can be explained by any previous messages issued from some other CICS component.
2. Examine the symptom string.
3. Examine the dump.

If you cannot resolve the problem, you will need further assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Modules: DFHSHRT1, DFHSHRT2, DFHSHDM, DFHSHPR, DFHSHSY, DFHSHRE

XMEOUT Parameters: *applid, X'code', module*

DFHSH0101 *date time applid* **The call to invoke the Distributed Routing Program,** *program***, has failed. Refer to message DFHSH0105.**

Explanation: An error occurred when attempting to link to the Distributed Routing Program, identified by the DSRTPGM SIT parameter.

System Action: A ASHU dump may be produced depending on type of failure.

User Response: Ensure that the Distributed Routing Program is available to the system. It must be defined to Program Manager and it must be present in the DFHRPL library concatenation. Alternatively, name a new Distributed Routing Program using SET SYSTEM DSRTPROGRAM or from CEMT.

Destination: CSSH

Module: DFHSHRT2

XMEOUT Parameters: *date, time, applid, program*

DFHSH0102 *date time applid* **The Distributed Routing Program,** *program***, has returned a bad response. See following message DFHSH0105.**

Explanation: The Distributed Routing Program, identified by the DSRTPGM SIT parameter, has returned a bad response. The request may not be serviced immediately.

System Action: No dumps are taken.

User Response: None

Destination: CSSH

Module: DFHSHRE

XMEOUT Parameters: *date, time, applid, program*

DFHSH0103 *date time applid* **The call to invoke the Distributed Routing Program,** *program***, has failed. The Distributed Routing Program has abnormally terminated with abend Code** *abcode***.**

Explanation: The Distributed Routing Program has abnormally terminated with abend code *abcode*.

System Action:

1. Transaction Routing - normal transaction abend processing continues.
2. Dynamic Distributed Program Link - an abended condition is returned to the calling program.

User Response: See the description of abend code *abcode* for further guidance.

If the code is not a CICS transaction abend code, it is a user abend code. Request an explanation from the programmer responsible for this area.

Destination: CSSH

Module: DFHSHRT2

XMEOUT Parameters: *date, time, applid, program, abcode*

DFHSH0104 *date time applid* **The call to invoke the Distributed Routing Program,** *program***, has failed due to an invalid AMODE.**

Explanation: An error occurred when attempting to link to the Distributed Routing Program, identified by the DSRTPGM SIT parameter. The program has an invalid AMODE specified.

System Action: No dumps are taken.

User Response: Ensure that the Distributed Routing Program definition is correct.

Destination: CSSH

Module: DFHSHRT2

XMEOUT Parameters: *date, time, applid, program*

DFHSH0105 *date time applid* **Request (Id:** *requestid***, Processtype:** *processtype***, Processname:** *processname***, Activityname:** *activityname***, Transaction:** *tranid***) cannot be serviced. It will be retried every minute and will be purged after 24 hours if not serviced then.**

Explanation: A request cannot be serviced immediately. This is either because the Distributed Routing Program, identified by the DSRTPGM SIT parameter, has returned a response which indicates that it is unable to route a request, or a temporary error occurred during an attempt to service the request locally.

The request is identified by the request id *id* (the key of the request on the Local Request Queue data set (DFHLRQ)), the process type *processtype*, the process name *processname*, the activity name *activityname*, and the transaction id *tranid*.

System Action: No dumps are taken. The request is marked unserviceable, and is then retried every minute until it is either serviced, or 24 hours have elapsed in which case the request is purged and message DFHSH0107 issued.

Message DFHSH0106 is issued once every hour while the request cannot be serviced. If the request is serviced successfully, message DFHSH0108 is issued.

User Response: Investigate why the request cannot be serviced. This may be caused by one of the following:

- The local request queue is unavailable.
- The request refers to a resource (activity or process) which is unavailable.
- The system to which the request is to be routed is down, or the link is down.
- The Distributed Routing Program is failing or is returning an invalid target system.

Destination: Console and Transient Data Queue CSSH

Module: DFHSHRM

XMEOUT Parameters: *date, time, applid, requestid, processtype, processname, activityname, tranid*

DFHSH0106 *date time applid* **Request (Id:** *requestid***, Processtype:** *processtype***, Processname:** *processname***, Activityname:** *activityname***, Transaction:** *tranid***) still cannot be serviced. It will be retried every minute and will be purged after** *hours* **hours if not serviced successfully.**

Explanation: Following message DFHSH0105, this message is issued every hour while a request cannot be successfully serviced.

The request is identified by the request id *requestid* (the key of the

request on the Local Request Queue data set (DFHLRQ)), the process type *processtype*, the process name *processname*, the activity name *activityname*, and the transaction id *tranid*.

System Action: No dumps are taken. The request continues to be retried every minute until it is either serviced successfully, or 24 hours have elapsed since message DFHSH0105 was issued, in which case the request is purged and message DFHSH0107 is issued.

User Response: See message DFHSH0105.

Destination: Console and Transient Data Queue CSSH

Module: DFHSHRM

XMEOUT Parameters: *date, time, applid, requestid, processtype, processname, activityname, tranid, hours*

DFHSH0107 *date time applid* **Request (Id:** *requestid***, Processtype:** *processtype***, Processname:** *processname***, Activityname:** *activityname***, Transaction:** *tranid***) has remained unserviceable for 24 hours and has now been purged.**

Explanation: A request has been unserviceable for 24 hours and has now been purged. This message will have been preceded by message DFHSH0105 and several occurrences of message DFHSH0106.

The request is identified by the request id *requestid* (the key of the request on the Local Request Queue data set (DFHLRQ)), the process type *processtype*, the process name *processname*, the activity name *activityname*, and the transaction id *tranid*.

System Action: No dumps are taken. The request is deleted.

User Response: See message DFHSH0105.

Destination: Console and Transient Data Queue CSSH

Module: DFHSHRQ

XMEOUT Parameters: *date, time, applid, requestid, processtype, processname, activityname, tranid*

DFHSH0108 *date time applid* **Previously unserviceable request (Id:** *requestid***, Processtype:** *processtype***, Processname:** *processname***, Activityname:** *activityname***, Transaction:** *tranid***) has now been successfully serviced.**

Explanation: A request which was previously unserviceable has now been successfully serviced. This message will have been preceded by message DFHSH0105 and possibly one or more occurrences of message DFHSH0106.

The request is identified by the request id *requestid* (the key of the request on the Local Request Queue data set (DFHLRQ)), the process type *processtype*, the process name *processname*, the activity name *activityname*, and the transaction id *tranid*.

System Action: No dumps are taken.

User Response: None.

Destination: Console and Transient Data Queue CSSH

Module: DFHSHRM

XMEOUT Parameters: *date, time, applid, requestid, processtype, processname, activityname, tranid*

DFHSH0109 *date time applid* **An error has occurred when attempting to access the Local Request Queue data set (DFHLRQ).** *{The file could not be found. | The file was closed. | The file was disabled. | There was insufficient space. | An I/O error occurred. | The data set is being copied.}* **The Local Request Queue is now unavailable.**

Explanation: One of the following errors was detected when attempting to access the Local Request Queue data set (DFHLRQ):

- The file could not be found.
- The file was closed.
- The file was disabled.
- There was insufficient space.
- An I/O error occurred.
- The dataset is being copied.

System Action: The Local Request Queue is made unavailable. CICS then attempts to access the data set every minute. If successful, message DFHSH0110 is issued to indicate the data set is now available.

User Response: Investigate the error which caused the Local Request Queue to be made unavailable.

Destination: Console and Transient Data Queue CSSH

Modules: DFHSHRE, DFHSHRQ, DFHSHSY

XMEOUT Parameters: *date, time, applid, {1=The file could not be found., 2=The file was closed., 3=The file was disabled., 4=There was insufficient space., 5=An I/O error occurred., 6=The data set is being copied.}*

DFHSH0110 *date time applid* **The Local Request Queue data set (DFHLRQ) is now available.**

Explanation: The Local Request Queue data set (DFHLRQ), which was previously unavailable, is now available. See message DFHSH0109.

System Action: None.

User Response: None.

Destination: Console and Transient Data Queue CSSH

Module: DFHSHSY

XMEOUT Parameters: *date, time, applid*

DFHSH0111 *date time applid tranid trannum userid* **An error has occured in Scheduler Services during the prepare phase of syncpoint.**

Explanation: Scheduler Services domain encountered an error during the prepare phase of syncpoint.

System Action: Scheduler Services returns a NO vote to the Recovery Manager. The transaction will be abended with an ASP7 abend.

User Response: Check for other Scheduler Services messages that may indicate the cause of the error. For example, message DFHSH0109 indicates problems with the Local Request Queue.

Destination: Console and Transient Data Queue CSSH

Module: DFHSHRM

XMEOUT Parameters: *date, time, applid, tranid, trannum, userid*

DFHSIxxxx messages

DFHSI0914I *applid* **Unable to initiate transaction CSFU. Files will not be opened at initialization.**

Explanation: Module DFHSIJ1 could not start transaction CSFU. Execution of the DFHIC TYPE=INITIATE macro failed. Either CSFU is not an installed transaction definition, or DFHFCU is not an installed program definition.

System Action: CICS does not open any files at initialization time. If a file is defined in the file control table (FCT) to be opened at initialization time, CICS will open it on first reference.

User Response: Make transaction CSFU and program DFHFCU available for execution. Group DFHOPCLS in DFHLIST contains all of the definitions needed for file opening and closing (dynamically as well as at initialization time).

Destination: Console

Module: DFHSIJ1

XMEOUT Parameter: *applid*

DFHSI1250 *applid* **VSAM error processing SHOWCAT for intrapartition data set** *dsetname* **R15=***xxxx***.**

Explanation: During SHOWCAT processing for the intrapartition data set, *dsetname*, VSAM detected an error and issued return code *xxxx*.

System Action: CICS writes a dump and terminates abnormally.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Check the return code in the *OS/VS VSAM Programmer's Guide*, and restart CICS.

Destination: Console

Module: DFHSID1

XMEOUT Parameters: *applid, dsetname, xxxx*

DFHSI1499 *applid* **Unable to acquire special storage.**

Explanation: As part of CICS initialization, an attempt is made to acquire an area of storage from the fetch-protected subpool. The attempt has been unsuccessful.

System Action: CICS terminates abnormally with a dump.

User Response: This error indicates a severe problem with your operating system. You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Module: DFHSIB1

XMEOUT Parameter: *applid*

DFHSI1500 *applid element* **startup is in progress for CICS Transaction Server Version** *version*

Explanation: This is an informatory message indicating that *element* startup is in progress.

Element is part of CICS Transaction Server Version *version*.

Element = CICS Version = 1.3.0

System Action: System initialization continues.

User Response: None. This message cannot be suppressed.

Destination: Console

Module: DFHAPSIP

XMEOUT Parameters: *applid, element, version*

DFHSI1501I *applid* **Loading CICS nucleus.**

Explanation: This is an informatory message indicating that the CICS nucleus is being loaded.

System Action: System initialization continues.

User Response: None.

Destination: Console

Modules: DFHSIB1

XMEOUT Parameter: *applid*

DFHSI1502I *applid* **CICS startup is** *{Cold | Warm | Emergency | Initial}***.**

Explanation: During CICS initialization, the type of restart is determined and the operator notified by this message.

System Action: System initialization continues.

User Response: None.

Destination: Console

Modules: DFHSIC1, DFHSII1

XMEOUT Parameters: *applid, {1=Cold, 2=Warm, 3=Emergency, 4=Initial}*

DFHSI1503I *applid* **Terminal data sets are being opened.**

Explanation: This is an informatory message indicating that the terminal data sets are being opened.

System Action: System initialization continues.

User Response: None.

Destination: Console

Module: DFHSIF1

XMEOUT Parameter: *applid*

DFHSI1506 *applid* **Unable to OPEN the global catalog.**

Explanation: During initialization, CICS issued an OPEN for the global catalog DFHGCD data set, but the OPEN failed.

System Action: CICS terminates abnormally with a dump.

User Response: Examine the preceding VSAM message for the reason for the OPEN failure. Note that if you specify START=AUTO, or if you define your system with journal support, you must supply a global catalog data set in the JCL.

Destination: Console

Module: DFHSIC1

XMEOUT Parameter: *applid*

DFHSI1511I *applid* **Installing group list** *grplist***.**

Explanation: Group list *grplist* is being installed.

System Action: System initialization continues.

User Response: None.

Destination: Console

Module: DFHAMPIL

XMEOUT Parameters: *applid, grplist*

DFHSI1513 *applid* **CICS checking for TCAM MCP.**

Explanation: CICS is checking for the presence of a TCAM MCP region during CICS initialization.

System Action: This message is issued three times with a time interval of ten seconds. If the TCAM MCP is still not available, message DFHSI1520 is issued.

User Response: None.

Destination: Console

Module: DFHSIF1

XMEOUT Parameter: *applid*

DFHSI1517 *applid* **Control is being given to CICS.**

Explanation: This is an informatory message indicating that control is being given to CICS.

applid is the VTAM APPLID of the CICS system issuing the message.

System Action: System initialization continues.

User Response: None.

Destination: Console

Module: DFHSIJ1

XMEOUT Parameter: *applid*

DFHSI1519I *applid* **The interregion communication session was successfully started.**

Explanation: This is an informatory message indicating that the interregion communication (IRC) session has been successfully started.

System Action: System initialization continues.

User Response: None.

Destination: Console

Module: DFHSIJ1

XMEOUT Parameter: *applid*

DFHSI1520 TCAM MCP NOT CURRENTLY AVAILABLE. REPLY 'RETRY' OR 'CANCEL' OR 'CONT'

Explanation: During initialization, CICS discovered that the TCAM message control program (MCP) was required, but was not operational.

System Action: The system waits for a response.

User Response: The operator can respond with 'RETRY' (when the TCAM region becomes active), 'CANCEL' (to terminate CICS), or with 'CONT' (to proceed with CICS initialization without the TCAM MCP).

All DD statements that refer to a TCAM queue must be removed from the startup job stream before a reply of 'CONT' is given, otherwise an ABEND occurs.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHSIF1

DFHSI1521 *applid* **CICS unable to continue for reasons given above.**

Explanation: CICS initialization cannot continue because of one or more serious errors. One or more preceding messages describe these errors.

System Action: CICS terminates with a dump.

User Response: Refer to any preceding messages for further guidance on what the problems may be and how to solve them. Correct the errors and restart CICS.

Destination: Console

Module: DFHSII1

XMEOUT Parameter: *applid*

DFHSI1522D *applid* **Restart errors reported above. Reply 'GO' or 'CANCEL'.**

Explanation: One or more error messages precede this message. CICS can continue initialization but only in degraded mode.

System Action: Depending on your response to this message, CICS terminates or continues initialization in degraded mode.

User Response: Consider the reported errors and their effects, and decide if you want CICS to continue in degraded mode. If you do, reply 'GO'. If you do not, then reply 'CANCEL'. Correct the errors and restart CICS.

Destination: Console

Module: DFHSII1

XMEOUT Parameter: *applid*

DFHSI1530 *applid* **Purge of non-executable ATI request inoperative.**

Explanation: CICS is unable to initiate the CRSQ task to delete automatic transaction initiation (ATI) requests from the system when those requests are not honored for longer than the ATI purge delay interval.

System Action: System initialization continues.

User Response: If ATI purge is required, ensure that the CRSQ task is available next time CICS is initialized.

Destination: Console

Module: DFHSIJ1

XMEOUT Parameter: *applid*

DFHSI1531 *applid* **Terminal control incompatibility.** *macro* **VTAM return code:** *retcode* **error code:** *errcode* **(modname: DFHZRPL).**

Explanation: CICS found an inconsistency during the initialization of terminal control.
macro is the name of the failing VTAM macro.
retcode is the VTAM hexadecimal return code in Register 15.
errcode contains the contents of Register 0, which is the associated error code in hexadecimal.
Refer to the *ACF/VTAM Programmer's Reference* manual for a complete description of the VTAM return code *retcode* and the VTAM error code *errcode*.

The probable cause of this inconsistency is that VTAM=YES was specified (perhaps by default) in the SIT, but the VTAM macros GENCB and SHOWCB are not available.

System Action: After issuing this message, CICS system initialization abnormally terminates with a system dump.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Use the VTAM return code and error code to determine the cause of failure in the VTAM macro *macro*. Correct the error using the *ACF/VTAM Programmer's Reference* manual, and restart CICS.

Destination: Console

Module: DFHZRPL

XMEOUT Parameters: *applid, macro, retcode, errcode*

DFHSI1533 *applid modname* **loaded at X'***address***'.**

Explanation: This is an informatory message indicating that CICS has loaded module *modname* at address *address*.

System Action: System initialization continues.

User Response: None.

Destination: Console

Module: DFHAPSIP

XMEOUT Parameters: *applid, modname, address*

DFHSI1534 *applid* **Unable to link to program DFHAMP - GRPLIST parameter ignored.**

Explanation: The DFHAMP program cannot be found on the load library. The GRPLIST parameter cannot be processed and so is ignored.

System Action: System initialization continues.

User Response: Ensure that the DFHAMP program is on the load library.

Destination: Console

Module: DFHSII1

XMEOUT Parameter: *applid*

DFHSI1535 *applid* **Severe error detected in DFHAMP - CICS is terminating.**

Explanation: A severe error was detected while the GRPLIST parameter was being processed.

System Action: A dump is provided and CICS is terminated.

User Response: This is most probably a logic error in DFHAMP. You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Module: DFHSII1

XMEOUT Parameter: *applid*

DFHSI1536D *applid* **GRPLIST** *grplist* **does not exist. Enter alternative name, 'GO' or 'CANCEL'.**

Explanation: Group list *grplist* cannot be found on the CSD file.

System Action: CICS waits for a reply. If you reply CANCEL, CICS terminates. If you reply GO, CICS ignores the specified GRPLIST and tries to install the next one. If you specify a valid list name, CICS initialization continues and the list is installed.

User Response: Enter 'GO', 'CANCEL' or a valid GRPLIST.

Destination: Console

Module: DFHAMPIL

XMEOUT Parameters: *applid, grplist*

DFHSI1537D *applid* **GRPLIST** *grplist* **does not exist. Enter alternative name or 'CANCEL'.**

Explanation: Group list *grplist* cannot be found on the CSD file.

System Action: CICS waits for a reply. If you reply CANCEL, CICS terminates. If you specify a valid list name, CICS initialization continues and the list is installed.

User Response: Enter 'CANCEL' or a valid GRPLIST.

Destination: Console

Module: DFHAMPIL

XMEOUT Parameters: *applid, grplist*

DFHSI1538D *applid* **Install GRPLIST Errors. Is startup to be continued - Enter 'GO' or 'CANCEL'.**

Explanation: Errors have been detected in DFHAMP while installing GRPLIST during CICS initialization. Accompanying messages describe the nature of the errors.

System Action: CICS waits for a reply. If you reply CANCEL, CICS terminates. If you reply GO, CICS initialization continues.

User Response: See the associated messages for further information about these errors. Reply with GO or CANCEL.

Destination: Console

Module: DFHSII1

XMEOUT Parameter: *applid*

DFHSI1539 *applid* **Error attaching the CESC (Terminal Timeout) transaction.**

Explanation: The CESC transaction failed to start during initialization of an alternate XRF region. Although CICS continues to initialize, terminals left signed on after the takeover are not timed out.

System Action: A dump is produced and CICS continues initialization.

User Response: Use the dump to investigate why the transaction could not be started. It may be that the system was short on storage or that the transaction has been disabled.

Destination: Console

Module: DFHSIJ1

XMEOUT Parameter: *applid*

DFHSI1542 *applid* **Takeover by the CICS alternate system has failed. Emergency restart could not be performed.**

Explanation: This CICS alternate system is attempting to take over from its associated active CICS system but the recovery manager component has indicated that an initial start is required because of a system log failure.

System Action: CICS is abnormally terminated and a dump is provided.

User Response: Look for console messages issued by the active CICS system which indicate the nature of the log failure. If no such messages have been issued, an internal CICS error may have occurred. In this case you will need assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Module: DFHSII1

XMEOUT Parameter: *applid*

DFHSI1543 *applid* **Time-Of-Day clock inoperative.**

Explanation: System initialization was unable to establish the time-of-day clock values for CICS.

System Action: CICS is abnormally terminated and a dump is provided.

User Response: The time-of-day clock is external to CICS execution and may have been disabled. Enable the time-of-day clock and restart CICS.

Destination: Console

Module: DFHSII1

XMEOUT Parameter: *applid*

DFHSI1547 *applid* **Notification of a default qualified LUNAME to the recovery manager domain has failed.**

Explanation: CICS is running with VTAM=NO, or an attempt to open the VTAM ACB has failed.

If VTAM=NO is specified, CICS uses the UOWNETQL system initialization parameter to form a default qualified LUNAME to pass to the recovery manager. If the VTAM ACB failed to open, CICS uses UOWNETQL to form the default qualified LUNAME. If UOWNETQL has not been specified, CICS sets UOWNETQL to the invalid value '9UNKNOWN' to highlight the problem.

An attempt was then made to transfer the default qualified LUNAME of the system to the recovery manager domain for use in constructing unit of work (UOW) identifiers. The attempt failed, indicating a serious error.

System Action: CICS continues. UOW identifiers constructed by the recovery manager domain do not contain a qualified luname.

User Response: Keep the exception trace data produced by the recovery manager domain. You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Module: DFHSIF1

XMEOUT Parameter: *applid*

DFHSI1548 *applid* **After opening the VTAM ACB, CICS has failed to transfer the fully qualified LUNAME to the recovery manager domain.**

Explanation: The VTAM ACB was opened by CICS to allow communication via VTAM. An attempt was then made to transfer the fully qualified LUNAME of the system. The LUNAME is provided to the recovery manager domain by VTAM for use in constructing unit of work (UOW) identifiers. The attempt failed, indicating a serious error.

System Action: CICS continues. Unit of work identifiers constructed by the recovery manager domain do not contain a fully qualified LUNAME.

User Response: Keep the exception trace data produced by the recovery manager domain. You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Module: DFHZSLS

XMEOUT Parameter: *applid*

DFHSI1549 *applid* **Logic error when building TCT module list.**

Explanation: Either the format of the modules DFHZCA, ZCB, ZCP, ZCW, ZCX, ZCY, ZCZ and ZCXR was not as expected, or the TCT was generated incorrectly.

System Action: CICS is abnormally terminated and a dump is provided.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Possible reasons for this message are:

1. The modules listed were generated without VTAM facilities, but the system initialization table (SIT) specifies VTAM=YES.
2. The TCT does not include ACCESSMETHOD=VTAM, but the system initialization table (SIT) specifies VTAM=YES.
3. The entry points of the listed modules are incorrect.
4. The module list in each of the listed modules is incorrect.

If reason 1 or 2 applies, correct the error. Otherwise, you will need further assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Module: DFHSIF1

XMEOUT Parameter: *applid*

DFHSI1550 *applid* **A severe error has occurred while making a** *domain* **domain call with response (***X'response'***) and reason (***X'reason'***).**

Explanation: An unexpected error was returned from the specified domain. The response and reason codes are given.

System Action: A system dump is taken, unless the failing domain has previously taken diagnostics.

This is a critical error and CICS is terminated, even if you have specified in the dump table that CICS should not terminate. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Notify the system administrator. This failure indicates a serious error in CICS.

You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Module: DFHSII1

XMEOUT Parameters: *applid, domain, X'response', X'reason'*

DFHSI1551 *applid* **The CICS region userid** *userid* **is not authorized to use the PLTPIUSR parameter userid** *userid***. Initialization cannot continue, so CICS is terminated.**

Explanation: The userid specified in the job control statements for the CICS region is not authorized to use the userid specified in the PLTPIUSR system initialization parameter.

System Action: CICS initialization terminates.

User Response: Ensure that the correct userid is specified for PLT processing.

Ensure that the userid for the CICS region has the necessary authorization. This may require the assistance of a security administrator.

When the necessary corrections have been made rerun the CICS job.

Destination: Console

Module: DFHSII1

XMEOUT Parameters: *applid, userid, userid*

DFHSI1552 *applid* **Userid** *userid* **specified for the PLTPIUSR parameter has not been defined correctly to the external security manager (ESM). SAF codes are (***X'safresp'***,***X'safreas'***). ESM codes are (***X'esmresp'***,***X'esmreas'***).**

Explanation: The userid specified for the PLTPIUSR initialization parameter has been defined incorrectly.

System Action: CICS terminates abnormally with a dump.

User Response: Ensure that the desired userid is specified for PLT processing and that external security manager (ESM) definitions have been specified correctly.

The response and reason codes (*safresp* and *safreas*) returned by the system authorization facility (SAF), and the response and reason codes (*esmresp* and *esmreas*) returned by the external security manager (ESM) are those issued by the RACROUTE REQUEST=VERIFY or RACROUTE REQUEST=EXTRACT macros. These return codes are described in the *OS/390 MVS Programming: Authorized Assembler Services Guide* and in *External Security Interface (RACROUTE) Macro Reference for MVS and VM* (SC28-1366). See these manuals for an explanation of the codes.

There may be further messages produced by CICS or the external security manager (ESM) which provide more information.

Correct the errors and restart CICS.

Destination: Console

Module: DFHSII1

XMEOUT Parameters: *applid, userid, X'safresp', X'safreas', X'esmresp', X'esmreas'*

DFHSI1553 *applid* **The unit of work network qualifier specified via the UOWNETQL parameter contains invalid characters or begins with a number. A dummy qualifier is substituted.**

Explanation: The UOWNETQL system initialization parameter has been specified incorrectly. The UOWNETQL parameter must consist of uppercase letters (A through Z), or numbers in the range 0 through 9. The first character must be a letter.

CICS is running with VTAM=NO, or an attempt to open the VTAM ACB has failed.

When VTAM=NO is specified, CICS uses UOWNETQL to form a default qualified LUNAME to pass to the recovery manager.

If the VTAM ACB fails to open, CICS uses UOWNETQL to form the default qualified LUNAME.

System Action: CICS continues but with the UOWNETQL deliberately set to the invalid value '9UNKNOWN' to highlite the problem.

User Response: Correct the UOWNETQL system initialization parameter.

Destination: Console

Module: DFHSIF1

XMEOUT Parameter: *applid*

DFHSI1556 *applid* **SKRP** *{A | F}x* **disabled due to extension of PGRET value.**

Explanation: The new PGRET value supplied as an initialization option has caused all the single-key retrieval values to be rebuilt. The value shown in the message exceeds 16 bytes. *x* can be a value 1 through 3 for A and 1 through 12 for F.

System Action: The key given in the message (PA1-PA3 and PF1-PF12 respectively) is disabled.

User Response: If it has been specified (by PARM) that initialization overrides can be entered by means of the console, the opportunity will be given to re-enter the PGRET and/or the SKR*xxxxx* initialization option.

Destination: Console

Module: DFHPASY

XMEOUT Parameters: *applid, {1=A, 2=F}, x*

DFHSI1558 *applid* **Program** *progname* **cannot be found.**

Explanation: Program *progname* is essential for CICS to initialize correctly, but was not defined in a group referenced by the group list specified in the startup job stream.

System Action: A dump is provided and CICS is terminated.

User Response: Ensure that the program is defined in a group referenced by the group list specified in the startup job stream.

Destination: Console

Module: DFHSIJ1

XMEOUT Parameters: *applid, progname*

DFHSI1559 *applid* **Profile DFHCICSE cannot be found.**

Explanation: The DFHCICSE profile is essential for CICS to initialize correctly. However it was not defined in the group list specified in the startup job stream.

System Action: A dump is provided and CICS is terminated.

User Response: Ensure that the DFHCICSE profile is defined in the group list specified in the startup job stream. A definition of DFHCICSE is provided in the DFHSTAND group on the CICS system definition (CSD) file.

Destination: Console

Modules: DFHXCPA, DFHSIJ1

XMEOUT Parameter: *applid*

DFHSI1562 *applid* **Unable to initialize application domain statistics.**

Explanation: During CICS initialization, an error was detected while the application domain (AP) statistics control module, DFHSII1, was being initialized. This could indicate a problem with the AP component of CICS.

System Action: An exception trace entry is made in the trace table and CICS terminates abnormally with a system dump.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: This error may have occurred because of an earlier error detected by the kernel (KE) domain of CICS. Look for earlier messages from the KE domain beginning DFHKE*xxxx*, CICS trace table entries with the prefix KE and a dump. These indicate the type of error and the action that should be taken.

If no earlier error is detected by the KE component, DFHSII1 makes an exception entry in the trace table (id=X'0700') and terminates CICS abnormally with code=1562 and with a system dump. In this case you will need further assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Module: DFHSII1

XMEOUT Parameter: *applid*

DFHSI1572 *applid* **Unable to OPEN VTAM ACB - RC=***xxxxxxxx* **ACB Code=***yy***.**

Explanation: An error was encountered during system initialization while attempting to open the VTAM ACB. RC=*xxxxxxxx* is the VTAM error code found in Register 15. *yy* is the hexadecimal contents of the ACB.

System Action: CICS initialization continues.

User Response: Refer to the *ACF/VTAM Programmer's Reference* for a complete description of the values of the ACB error field and the return code.

Use the values and the return code to determine the cause of the problem.

Decide whether to cancel or to continue. (This message appears if you bring up CICS before you bring up VTAM.)

If you want to use VTAM terminals in this CICS run, you must activate VTAM. You can open the VTAM ACB with the CEMT SET VTAM OPEN command.

Destination: Console

Module: DFHSIF1

XMEOUT Parameters: *applid, xxxxxxxx, yy*

DFHSI1573 *date time applid* **Terminal Control is unavailable due to an unsupported access method.**

Explanation: ACB/TCAM, and releases of VTAM prior to version 3, are not supported by this release of CICS.

System Action: CICS terminates with a system dump.

User Response: Update your access method.

Destination: Console

Module: DFHZSLS

XMEOUT Parameters: *date, time, applid*

DFHSI1574 *applid* **TCTUA Subpool not added in DFHZRPL. CICS initialization cannot continue.**

Explanation: An attempt to add a subpool by the storage manager has failed. Module DFHZRPL has failed in an attempt to add a subpool for use by the TCTUA's associated with non-VTAM terminals. Since it is necessary to have the subpool present for use when needed, this is a serious error.

System Action: The initialization of the CICS system which tried to perform the addition of the subpool abends. If it was not able to add the subpool, then CICS is not able to execute properly.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Module: DFHZRPL

XMEOUT Parameter: *applid*

DFHSI1575 *applid* **Getmain failed for TCTUA subpool in module DFHZRPL. CICS initialization cannot continue.**

Explanation: The module DFHZRPL has failed in an attempt to GETMAIN an area of storage for use by the TCTUA subpool. This subpool has already been added but no storage yet exists for it. This is a serious error.

System Action: As a result of the GETMAIN failure so early in the initialization sequence, it is not possible to continue the CICS initialization. The CICS system which tried and failed to perform the GETMAIN terminates.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Module: DFHZRPL

XMEOUT Parameter: *applid*

DFHSI1576 *applid* **Unable to find VTAM ACB.**

Explanation: An error was encountered during system initialization while attempting to find the VTAM ACB.

System Action: CICS continues to initialize, but VTAM is not available.

User Response: If you do not require VTAM support, this message can be ignored.

If you have VTAM installed on your system, check that VTAM=NO has not been specified as a system initialization parameter. If VTAM=YES is specified, investigate why VTAM is not currently available on your system.

Destination: Console

Module: DFHSIF1

XMEOUT Parameter: *applid*

DFHSI1578D *applid* **PLTPI specified cannot be found. Reply 'GO' or 'CANCEL'.**

Explanation: The post-initialization program list table (PLTPI) cannot be found because the PLT does not exist in the CICS program library.

System Action: If the response is 'CANCEL', CICS is terminated. If the response is 'GO', processing continues without PLT processing.

User Response: Respond 'GO' or 'CANCEL'.

Destination: Console

Module: DFHSIPLT

XMEOUT Parameter: *applid*

DFHSI1579D *applid* **Module** *modname{ PLT | connection }***program** *progname* **not found. Reply 'GO' or 'CANCEL'.**

Explanation: This message indicates that either a program defined in the post-initialization program list table (PLTPI) cannot be found, or a connection program used when connecting to DBCTL, DB2 or MQ cannot be found. The attempt to invoke a connection program results from coding DBCTLCON=YES, or DB2CONN=YES, or MQCONN=YES in the SIT.

For PLT programs, if the message is issued during the first PLT phase in initialization, the program does not exist in the CICS program library. If the message is produced during the post-initialization PLT phase, the program did not have an installed program entry or was not found in the CICS program library.

For connection programs, the program did not have an installed program entry or was not found in the CICS program library.

modname indicates which of the modules issued the message. *progname* is the name of the program which cannot be found.

System Action: If the response is 'CANCEL', CICS is terminated. If the response is 'GO', the program is bypassed.

User Response: Reply 'CANCEL' or 'GO'.

Destination: Console

Module: DFHSIPLT

XMEOUT Parameters: *applid, modname, {1= PLT , 2= connection }, progname*

DFHSI1580D *applid{ PLT | Connection }***program** *program-name* **has abended, code** *abcode***. Reply 'GO' or 'CANCEL'.**

Explanation: CICS was processing either the initialization program list table (PLT) when the PLT program *program-name* abended with abend code *abcode*, or was processing connection program *program-name* and it abended with abend code *abcode*.

System Action: If the response is 'CANCEL', CICS is terminated. If the response is 'GO', the program is bypassed.

User Response: Reply 'CANCEL' or 'GO'.

Destination: Console

Module: DFHSIPLT

XMEOUT Parameters: *applid, {1=PLT , 2= Connection }, program-name, abcode*

DFHSI1582 *applid* **Local DLI PSBs present in the PDIR. CICS does not support local DLI.**

Explanation: CICS has detected that local PSBs are present in the user specified PDIR. CICS no longer supports local DLI. A PDIR is only required for remote DLI, and must contain only remote PSB definitions. A PDIR is not required for DBCTL.

System Action: A CICS abend dump is produced, and CICS is terminated.

User Response: If remote DLI is required, correct the PDIR by removing the local PSBs. Then reassemble and relinkedit the PDIR, and resubmit the CICS job.

If remote DLI support is not required, change the system initialization table (SIT) to specify PDIR=NO.

Destination: Console

Module: DFHSIH1

XMEOUT Parameter: *applid*

DFHSI1589 *applid* **VTAM is not currently active.**

Explanation: CICS initialization cannot OPEN the VTAM access method control block (ACB) because VTAM is not active.

System Action: If this is an alternate system, CICS waits for 15 seconds and retries the OPEN indefinitely.

If this is not an alternate system, CICS proceeds with the rest of initialization. The Open VTAM Retry transaction COVR is attached, and retries the OPEN every 5 seconds for ten minutes.

User Response: In the case of an alternate, check that VTAM is on its way up. If it is not, you can cancel this alternate.

Destination: Console

Module: DFHSIF1

XMEOUT Parameter: *applid*

DFHSI1590 *applid* **XRF alternate cannot proceed without VTAM.**

Explanation: CICS initialization cannot OPEN the VTAM access method control block (ACB). The ACB error code may be found in the preceding message DFHSI1572.

System Action: CICS is terminated with a dump.

User Response: Refer to DFHSI1572 and use the information to try and resolve the causes of the errors.

Destination: Console

Module: DFHSIF1

XMEOUT Parameter: *applid*

DFHSI1592 *applid* **CICS applid not (yet) active to VTAM.**

Explanation: CICS initialization cannot OPEN the VTAM access method control block (ACB) because VTAM does not recognize the APPLID (VTAM error X'5A'). There may be a user error in the value of APPLID (for example, on a SIT override) or the application subarea containing APPLID may not be active in VTAM. Alternatively, it may be possible that VTAM is still coming up. If so, the problem may correct itself when VTAM completes its initialization.

System Action: If this is an alternate CICS, wait for 15 seconds and retry the OPEN indefinitely. If this is not an alternate, CICS proceeds with the rest of initialization.

User Response: In the case of an alternate, check that VTAM is on its way up. If it is, check that the required application sub-area is active in VTAM. If it is, you may cancel this alternate.
If this is not an alternate, you can use CEMT to retry the OPEN when CICS has initialized.

Destination: Console

Module: DFHSIF1

XMEOUT Parameter: *applid*

DFHSI1594 *applid* **A** *xxxx* **level of module** *progname* **is being loaded.**

Explanation: The system is loading a level of module *progname* that was not assembled against the current level of CICS in the CICS Transaction Server product. The level *xxxx* shows the level of the module being used.

System Action: System initialization continues.

User Response: Ensure that it is valid to use an old level of module *progname*. Usually, it will be necessary to reassemble the module for the current level of CICS being used.

Destination: Console

Module: DFHAPSIP

XMEOUT Parameters: *applid, xxxx, progname*

DFHSI1596 *applid* **Nucleus module** *progname* **cannot be located.**

Explanation: Nucleus module *progname* was not found in the CICS library while loading the nucleus.

System Action: The AP domain initialization routines continue to attempt to load the remaining nucleus modules. After trying to load all the nucleus modules, CICS is terminated.

User Response: Add the missing module *progname* to the appropriate library and restart CICS.

Destination: Console

Modules: DFHAPSIP, DFHSID1

XMEOUT Parameters: *applid, progname*

DFHSI1597 *applid* **VTAM=YES invalid with a non VTAM TCT - VTAM=NO forced.**

Explanation: The TCT loaded has not been assembled with ACCESSMETHOD=VTAM but VTAM=YES was specified on the SIT.

System Action: CICS continues but without VTAM support.

User Response: To use VTAM, assemble the TCT with ACCESSMETHOD=VTAM or use the CICS supplied TCT which has a suffix of DY.

Destination: Console

Module: DFHZINT

XMEOUT Parameter: *applid*

DFHSI1599 *applid* **Region/Partition size insufficient to initialize transient data.**

Explanation: Transient data initialization failed, either because an attempt to create Storage Manager subpool failed or because an attempt to get storage failed.

System Action: A system dump is produced, and CICS is abnormally terminated.

User Response: Increase the region size available to CICS.

Destination: Console

Module: DFHSID1

XMEOUT Parameter: *applid*

DFHSI1784 *applid* **The user shutdown assist transaction** *tranid* **has not been defined as a shutdown enabled local transact ion.**

Explanation: This message is issued during CICS initialization and indicates that the user shutdown assist transaction specified on the system initialization table (SIT) has not been defined as a shutdown enabled local transaction.

System Action: No action is taken. A TRANSIDERR may be returned on PERFORM SHUTDOWN.

User Response: Do one of the following:

- Correct the shutdown transaction definition.
- Change or remove the SIT SDTRAN option.
- Use the CEMT or EXEC CICS PERFORM SHUTDOWN SDTRAN option.

Destination: Console

Module: DFHSIJ1

XMEOUT Parameters: *applid, tranid*

DFHSI2810 *applid* **CANCEL reply received. CICS is terminating.**

Explanation: A CANCEL reply has been received.

System Action: CICS terminates.

User Response: Refer to previous messages to determine what action to take.

Destination: Console

Modules: DFHSII1, DFHSIPLT, DFHAMPIL

XMEOUT Parameter: *applid*

DFHSI2813 *applid* **Program DFHRCEX cannot be found.**

Explanation: CICS cannot find DFHRCEX in any data set concatenated in the DFHRPL DD statement in the CICS startup job stream.

System Action: CICS initialization terminates with a dump.

User Response: To correct this error, place DFHRCEX in a partitioned data set in the DFHRPL DD statement.

Destination: Console

Module: DFHSIJ1

XMEOUT Parameter: *applid*

DFHSI8420I *applid* **About to link to PLT programs during the second stage of initialization.**

Explanation: CICS is about to link to the user PLT programs defined in the PLTPI system initialization parameter during the second stage of initialization.

System Action: Control is passed to the user PLT programs.

User Response: None. This message can be suppressed with the system initialization parameter MSGLVL=0.

Destination: Console

Module: DFHSIPLT

XMEOUT Parameter: *applid*

DFHSI8424I *applid* **Control returned from PLT programs during the second stage of initialization.**

Explanation: Control is returned to CICS to continue system initialization.

System Action: Control is returned to CICS.

User Response: None. This message can be suppressed with the system initialization parameter MSGLVL=0.

Destination: Console

Module: DFHSIPLT

XMEOUT Parameter: *applid*

DFHSI8430I *applid* **About to link to PLT programs during the third stage of initialization.**

Explanation: CICS is about to link to the user PLT programs defined in the PLTPI SIT parameter during the third stage of initialization.

System Action: Control is passed to the user PLT programs.

User Response: None. This message can be suppressed with the system initialization parameter MSGLVL=0.

Destination: Console

Module: DFHSIPLT

XMEOUT Parameter: *applid*

DFHSI8434I *applid* **Control returned from PLT programs during the third stage of initialization.**

Explanation: Control is returned to CICS to continue system initialization.

System Action: Control is returned to CICS.

User Response: None. This message can be suppressed with the system initialization parameter MSGLVL=0.

Destination: Console

Module: DFHSIPLT

XMEOUT Parameter: *applid*

DFHSI8440I *applid* **Initiating connection to** *resmanager***.**

Explanation: CICS is about to connect to the specified resource manager immediately prior to running PLT programs during the third stage of initialization. The resource manager is DBCTL, DB2 or MQ. Connection is initiated because DBCTLCON=YES, or DB2CONN=YES, or MQCONN=YES was specified in the SIT.

System Action: Control is passed to the resource manager connect program.

User Response: None. This message can be suppressed with the system initialization parameter MSGLVL=0.

Destination: Console

Module: DFHSIPLT

XMEOUT Parameters: *applid, resmanager*

DFHSI8441I *applid* **Connection to** *resmanager qualifier* **successfully completed.**

Explanation: CICS has sucessfully connected to the specified resource manager immediately prior to running PLT programs during the third stage of initialization. The resource manager name is shown along with the resource manager qualifier.

System Action: CICS processing continues.

User Response: None. This message can be suppressed with the system initialization parameter MSGLVL=0.

Destination: Console

Module: DFHSIPLT

XMEOUT Parameters: *applid, resmanager, qualifier*

DFHSI8442 *applid* **Connection to** *resmanager* **has failed.**

Explanation: CICS was unable to connect to resource manager *resmanager* immediately prior to running PLT programs during the third stage of initialization. The resource manager is DBCTL, DB2 or MQ. Connection was initiated because DBCTLCON=YES, or DB2CONN=YES, or MQCONN=YES was specified in the SIT.

System Action: CICS processing continues.

User Response: Refer to previous messages issued by CICS or the resource manager adapter to determine why the connection attempt failed.

Destination: Console

Module: DFHSIPLT

XMEOUT Parameters: *applid, resmanager*

DFHSI8443 *applid* **Connection to** *resmanager* **not completed. Adapter is awaiting initialization of** *resmanager***.**

Explanation: CICS was unable to complete connection to resource manager *resmanager* immediately prior to running PLT programs during the third stage of initialization. The resource manager is DBCTL, DB2 or MQ. Connection was initiated because DBCTLCON=YES, or DB2CONN=YES, or MQCONN=YES was specified in the SIT.

The resource manager adapter is waiting for the resource manager to be initialized.

System Action: CICS processing continues. The connection is completed when the resource manager is initialized.

User Response: Refer to messages issued by the relevant resource manager adapter to determine when connection is completed.

Destination: Console

Module: DFHSIPLT

XMEOUT Parameters: *applid, resmanager, resmanager*

DFHSKxxxx messages

DFHSK1101 *applid* **General purpose subtask terminated abnormally - system completion code =** *X'xxxx'*

Explanation: A subtask attached by DFHSKP has completed abnormally.

System Action: CICS continues in degraded mode.

User Response: Find out why the subtask failed. *xxxx* is the operating system completion code.

Destination: Console

Module: DFHSKP

XMEOUT Parameters: *applid, X'xxxx'*

DFHSK1102 *applid* **Unable to attach general purpose subtask - system return code =** *X'xxxx'*

Explanation: DFHSKP has attempted to attach an operating system subtask. The ATTACH has failed.

System Action: CICS continues in degraded mode.

User Response: Find out why the attach failed. *xxxx* is the operating system completion code.

Destination: Console

Module: DFHSKP

XMEOUT Parameters: *applid, X'xxxx'*

DFHSK1103 *applid* **ESTAE macro failed in general purpose subtask - system return code =** *X'xxxx'*

Explanation: A general purpose subtask issued an MVS ESTAE macro. *xxxx* is the nonzero response from MVS.

System Action: CICS continues in degraded mode.

User Response: Find out why the macro failed (this is a failure in MVS). Response code is output with the message.

Destination: Console

Module: DFHSKP

XMEOUT Parameters: *applid, X'xxxx'*

DFHSK1104I *applid* **General purpose subtask terminated because error threshold has been reached**

Explanation: A general purpose subtask has failed several times while executing its own code. CICS has terminated the task.

System Action: CICS continues in degraded mode.

User Response: Find out why the subtask failed.

Destination: Console

Module: DFHSKP

XMEOUT Parameter: *applid*

DFHSK1106I *applid* **Unable to authorize a general purpose subtask - RC=***nn*

Explanation: The CICS subtask program issued the CICS SVC to CICS authorize the TCB of an MVS subtask. The SVC returned the error response code *nn*. The possible values of *nn* and their meanings are:

nn	**Meaning**
01	SVC service is not authorized.
02	Load of DFHASV failed.
03	Internal error in CICS SVC.
04	Internal error in CICS SVC. RB check failed.
10	DFHAUTH TYPE=CHECK macro failed.
14	Invalid TCB address passed to DFHASV.
18	DFHAUTH TYPE=subtask AFCB storage failed.
1C	GETMAIN for subtask AFCB storage failed.
20	Main task AFCB version is pre-CICS 1.7.
24	Main task AFCB version is too large for the SVC version in use.
Other	The SVC has not been defined and installed as described in the *CICS Transaction Server for OS/390 Installation Guide*.

System Action: CICS continues. The CICS SVC may fail again if reinvoked by a general purpose subtask.

User Response: Use the response code in the message to determine the cause of the failure.

Destination: Console

Module: DFHSKP

XMEOUT Parameters: *applid, nn*

DFHSMxxxx messages

DFHSM0001 *applid* **An abend (code** *aaa/bbbb***) has occurred at offset** *X'offset'* **in module** *modname***.**

Explanation: An abnormal end (abend) or program check has occurred in module *modname*. This implies that there may be an error in the CICS code. Alternatively, unexpected data has been input, or storage has been overwritten.

The code *aaa/bbbb* is a 3-digit hexadecimal MVS code (if applicable), followed by a 4-digit alphanumeric CICS code. The MVS code is a system completion code (for example, 0C1 or D37). If an MVS code is not applicable, this field is filled with three hyphens. The CICS code is an abend code or a number referring to a CICS message (for example, AKEA is a CICS abend code; 1310 refers to message DFHTS1310).

System Action: An exception entry is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS continues unless you have specified in the dump table that CICS should terminate. If appropriate, an error return code is sent to the caller of this domain. In this case CICS could be terminated by the caller (for example, the domain manager, DFHDMDM). A message is issued to this effect.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Notify the system programmer. If CICS is still running, it is necessary to decide whether to terminate CICS.

Look up the MVS code, if there is one, in the relevant MVS codes manual.

Next, look up the CICS alphanumeric code. This tells you, for example, whether the error was a program check, an abend, or a runaway, and may give you some guidance concerning user response.

If module *modname* is not crucial to the running of your CICS system, you may decide to continue to run and bring CICS down at a convenient time to resolve the problem.
If you cannot run without the full use of module *modname* you should bring CICS down in a controlled shutdown.

You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Modules: DFHSMAD, DFHSMAR, DFHSMCK, DFHSMDM, DFHSMGF, DFHSMMCI, DFHSMMC2, DFHSMMF, DFHSMMG, DFHSMPQ, DFHSMPP, DFHSMSR, DFHSMST, DFHSMSU, DFHSMSY

XMEOUT Parameters: *applid, aaa/bbbb, X'offset', modname*

DFHSM0002 *applid* **A severe error (code** *X'code'***) has occurred in module** *modname***.**

Explanation: An error has been detected in module *modname*. The code X'*code*' is the exception trace point ID which uniquely identifies what the error is and where the error was detected.

System Action: An exception entry (code X'*code*' in the message) is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS continues unless you have specified in the dump table that CICS should terminate. If appropriate, an error return code is sent to the caller of this domain. In this case, CICS could be terminated by the caller (for example, the domain manager, DFHDMDM). A message is issued to this effect.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: This indicates a possible error in CICS code. The severity of its impact depends on the importance of the function being executed at the time of the error.

CICS may not have been terminated. If the message occurs once and module *modname* is not crucial to the running of your CICS system, you may decide to continue to run and bring CICS down at a convenient time to resolve the problem.

If the message recurs or if you cannot run without the full use of module *modname*, you should bring CICS down in a controlled shutdown.

See the *CICS Trace Entries* for a description of the exception trace point ID, X'*code*' and the data it contains.

You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Modules: DFHSMAD, DFHSMAR, DFHSMCK, DFHSMGF, DFHSMMC2, DFHSMMF, DFHSMMG, DFHSMPQ, DFHSMPP DFHSMSCP, DFHSMSR, DFHSMST, DFHSMSU, DFHSMSY

XMEOUT Parameters: *applid, X'code', modname*

DFHSM0004 *applid* **A possible loop has been detected at offset** *X'offset'* **in module** *modname***.**

Explanation: A CICS function is taking more time to process than CICS expects. A possible loop has been detected in module *modname* at offset X'*offset*'. This is the offset of the instruction which was executing at the time the error was detected.

System Action: An exception entry is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS continues unless you have specified in the dump table that CICS should terminate. If appropriate, an error return code is sent to the caller of this domain. In this case CICS could be terminated by the caller (for example, the domain manager, DFHDMDM). A message is issued to this effect.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Notify the system programmer. If CICS has not been terminated, it is necessary to decide whether the problem is serious enough to bring CICS down.

Since some CICS functions can use a lot of processor time, this message may have been caused by a long-running function. So there may not be an error here. Usually, CICS purges a CICS function which exceeds the runaway task time interval which you have specified in the SIT (this is the ICVR which is measured in milliseconds). This means that module *modname* in the message is terminated and CICS continues.

But if you have declared ICVR=0 in the SIT and you consider that module *modname* has gone into a loop, you have to terminate CICS in order to terminate the runaway function.

If CICS has terminated module *modname*, and you consider that it was not a runaway, you should increase the ICVR time interval in the SIT. You have to bring CICS down at a suitable time to do this permanently. But you can change the ICVR time interval temporarily online, using the CEMT transaction.

If raising the ICVR time does not solve the problem, you need further assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Modules: DFHSMMCI, DFHSMST

XMEOUT Parameters: *applid, X'offset', modname*

DFHSM0006 *applid* **Insufficient storage to satisfy Getmain (code** *X'code'***) in module** *modname***. MVS code** *mvscode***.**

Explanation: An MVS GETMAIN was issued by module *modname*, but there was insufficient storage available to satisfy the request.

The code X'*code*' is the exception trace point ID which uniquely identifies the place where the error was detected.

The code *mvscode* is the MVS GETMAIN return code.

System Action: An exception entry is made in the trace table (code X'*code*'). A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS continues unless you have specified in the dump table that CICS should terminate.

If appropriate, an error return code is sent to the caller of this domain. In this case, CICS could be terminated by the caller (for example, the domain manager, DFHDMDM). A message is issued to this effect.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: If CICS has been terminated by another module, look out for the relevant termination messages (from, for example, the domain manager), and look up the user response suggested for these messages.

If CICS is still running, the problem may be a temporary one which rights itself if more storage becomes available. If you can manage without module *modname*, you may decide to continue and bring CICS down at a convenient time to resolve the problem. If the message recurs or if you cannot run without the full use of all CICS modules, you should bring CICS down in a controlled shutdown.

See the *CICS Trace Entries* for a description of the exception trace point ID, X'*code*' and the data it contains.

You can get diagnostic information about the MVS return code by consulting the relevant MVS codes manual.

Try decreasing the limits of the CICS dynamic storage areas (DSAs), or increasing the MVS region size. You can vary the CICS DSAs dynamically using the DSALIM and EDSALIM parameters on the CEMT master terminal command. To increase the MVS region size you must bring CICS down and change the MVS JCL REGION parameter.

Destination: Console

Module: DFHSMDM

XMEOUT Parameters: *applid, X'code', modname, mvscode*

DFHSM0102 *applid* **A storage violation (code** *X'code'***) has been detected by module** *modname***.**

Explanation: A storage violation has been detected by module *modname*. The code X'*code*' is the exception trace point ID which uniquely identifies the type of storage violation.

System Action: An exception entry (X'*code*' in the message) is made in the trace table. Use the exception trace point ID, X'*code*', to investigate the cause of the storage violation. A description of the exception trace point ID, and the data it contains, is in the *CICS Trace Entries*. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS continues unless you have specified in the dump table that CICS should terminate.

If you have enabled storage recovery (by specifying the system initialization parameter STGRCVY=YES), CICS attempts to repair the storage violation. Otherwise, the storage is left unchanged.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Use the exception trace point ID, X'*code*', to investigate the cause of the storage violation. See the *CICS Trace Entries* for a description of the exception trace point ID and the data it contains.

Destination: Console

Modules: DFHSMAR, DFHSMCK, DFHSMGF, DFHSMMC2, DFHSMMF

XMEOUT Parameters: *applid, X'code', modname*

DFHSM0103 *applid* **A storage violation (code** *X'code'***) has been detected by the storage violation trap. Trap is now inactive.**

Explanation: A storage violation has been detected by the storage violation trap, which may be enabled via the CHKSTSK or the CHKSTRM system initialization parameters or via the CSFE transaction. The code X'*code*' is the exception trace point ID which uniquely identifies the type of storage violation detected.

System Action: CICS disables the storage violation trap. An exception entry (X'*code*' in the message) is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS continues unless you have specified in the dump table that CICS should terminate.

If you have enabled storage recovery (by specifying the system initialization parameter STGRCVY=YES), CICS attempts to repair the storage violation. Otherwise, the storage is left unchanged.

Message DFHME0116 is normally produced containing the symptom string for this problem.

Note: Even if CICS is able to repair the storage, the storage violation trap still remains inactive.

User Response: Use the exception trace point ID, X'*code*', to investigate the cause of the storage violation. See the *CICS Trace Entries* for a description of the exception trace point ID and the data it contains.

Destination: Console

Module: DFHSMCK

XMEOUT Parameters: *applid, X'code'*

DFHSM0113I *applid* **Storage protection is not active.**

Explanation: This is an informatory message stating that storage protection has not been requested (STGPROT=NO) and is not in effect for this execution of CICS.

System Action: CICS continues.

User Response: None. You can suppress this message with the system initialization parameter, MSGLVL=0. Storage protection can be enabled by specifying the system initialization parameter STGPROT=YES.

Destination: Console

Module: DFHSMDM

XMEOUT Parameter: *applid*

DFHSM0114 *applid* **Storage protection was requested but the support is not available. Storage protection is not active.**

Explanation: This is an informatory message stating that although storage protection was requested, it is not in effect for this execution of CICS because the necessary hardware and/or operating system support is not available.

System Action: CICS continues.

User Response: None.

Destination: Console

Module: DFHSMDM

XMEOUT Parameter: *applid*

DFHSM0115I *applid* **Storage protection is active.**

Explanation: This is an informatory message stating that storage protection is requested (STGPROT=YES) and is in effect for this execution of CICS.

System Action: CICS continues.

User Response: None. You can suppress this message with the system initialization parameter, MSGLVL=0.

Destination: Console

Module: DFHSMDM

XMEOUT Parameter: *applid*

DFHSM0120I *applid* **Reentrant programs will not be loaded into read-only storage.**

Explanation: This is an informatory message stating that read-only programs will not be loaded into read-only storage for this execution of CICS. This is because RENTPGM=NOPROTECT was specified as a system initialization parameter.

System Action: CICS continues.

User Response: None.

You should not specify RENTPGM=NOPROTECT unless you wish to deliberately overwrite programs (to set breakpoints while testing, for example).

Destination: Console

Module: DFHSMDM

XMEOUT Parameter: *applid*

DFHSM0122I *applid* **Limit of DSA storage below 16MB is** *dsalimit***K.**

Explanation: This message gives the limit *dsalimit* of the dynamic storage area (DSA) below 16MB.

System Action: CICS continues.

User Response: None. You can suppress this message with the message level system initialization parameter, MSGLVL=0.

Destination: Console

Module: DFHSMDM

XMEOUT Parameters: *applid, dsalimit*

DFHSM0123I *applid* **Limit of DSA storage above 16MB is** *edsalimit***M.**

Explanation: This message gives the limit *edsalimit* of the dynamic storage area (DSA) above 16MB.

System Action: CICS continues.

User Response: None. You can suppress this message with the message level system initialization parameter, MSGLVL=0.

Destination: Console

Module: DFHSMDM

XMEOUT Parameters: *applid, edsalimit*

DFHSM0124 *applid* **Transaction isolation was requested but the support is not available or storage protection is not active. Transaction isolation is not active.**

Explanation: The combination of system initialization parameters STGPROT(NO) and TRANISO(YES) is invalid. During a warm or emergency start of CICS, the catalogued system initialization parameters are incompatible with a SIT override. Although transaction isolation was requested, it is not in effect for this execution of CICS because the necessary hardware and/or operating system support is not available, and/or storage protection is not active.

System Action: CICS continues.

User Response: None.

Destination: Console

Module: DFHSMDM

XMEOUT Parameter: *applid*

DFHSM0125I *applid* **Transaction isolation is active.**

Explanation: Transaction isolation is requested (TRANISO=YES) and is in effect for this execution of CICS.

System Action: CICS continues.

User Response: None. You can suppress this message with the system initialization parameter, MSGLVL=0.

Destination: Console

Module: DFHSMDM

XMEOUT Parameter: *applid*

DFHSM0126I *applid* **Transaction isolation is not active.**

Explanation: Transaction isolation has not been requested (TRANISO=NO) and is not in effect for this execution of CICS.

System Action: CICS continues.

User Response: None. You can suppress this message with the system initialization parameter, MSGLVL=0. Transaction isolation can be enabled by specifying TRANISO=YES as a system initialization parameter.

Destination: Console

Module: DFHSMDM

XMEOUT Parameter: *applid*

DFHSM0127 *applid* **Insufficient storage to allocate requested size for DSA limit storage below 16MB (***dsalimit***K).**

Explanation: CICS has issued an MVS GETMAIN for the requested limit *dsalimit* of DSA storage below 16MB, but the GETMAIN request failed.

System Action: If the requested size is greater than the default, CICS reissues the MVS GETMAIN request using the default size for the DSALIM parameter.

If the requested size is not greater than the default, the storage manager makes an exception entry in the trace table. An error return code is sent to the domain manager DFHDMDM (the caller of the storage manager). The domain manager might then terminate CICS, in which case a message to this effect is issued.

User Response: Ensure that the DSALIM system initialization parameter is specified correctly.

Ensure that the REGION parameter for the CICS job is large enough.

See the *OS/390 MVS JCL Reference* for further information about specifying storage on the REGION parameter.

Destination: Console

Module: DFHSMDM

XMEOUT Parameters: *applid, dsalimit*

DFHSM0128 *applid* **Insufficient storage to allocate requested size for DSA limit storage above 16MB (***dsalimit***M).**

Explanation: CICS has issued an MVS GETMAIN for the requested limit *dsalimit* of DSA storage above 16MB, but the GETMAIN request failed.

System Action: If the requested size is greater than the default, CICS reissues the MVS GETMAIN request using the default size for the EDSALIM parameter.

If the requested size is not greater than the default, the storage manager makes an exception entry in the trace table. An error return code is sent to the domain manager DFHDMDM (the caller of the storage manager). The domain manager might then terminate CICS, in which case a message to this effect is issued.

User Response: Ensure that the EDSALIM parameter is specified correctly.

Ensure that the REGION parameter for the CICS job is large enough.

See the *OS/390 MVS JCL Reference* for more information about specifying storage on the REGION parameter.

Destination: Console

Module: DFHSMDM

XMEOUT Parameters: *applid, dsalimit*

DFHSM0129 *applid* **Insufficient storage to allocate default size for DSA limit storage below 16MB (***dsalimit***K).**

Explanation: Following message DFHSM0127, CICS has reduced the MVS GETMAIN request to the default size for the DSALIM system initialization parameter but the GETMAIN request has still failed.

System Action: The storage manager makes an exception entry in the trace table.

An error return code is sent to the domain manager, DFHDMDM, (the caller of storage manager). The domain manager might then terminate CICS, in which case a message to this effect is issued.

User Response: See DFHSM0127 for further information.

Ensure that the REGION parameter for the CICS job is large enough.

See the *OS/390 MVS JCL Reference* for more information about specifying storage on the REGION parameter.

Destination: Console

Module: DFHSMDM

XMEOUT Parameters: *applid, dsalimit*

DFHSM0130 *applid* **Insufficient storage to allocate default size for DSA limit storage above 16MB (***dsalimit***M).**

Explanation: Following message DFHSM0128, CICS has reduced the MVS GETMAIN request to the default size for the EDSALIM system initialization parameter but the GETMAIN request has still failed.

System Action: The storage manager makes an exception entry in the trace table.

An error return code is sent to the domain manager, DFHDMDM, (the caller of storage manager). The domain manager might then terminate CICS, in which case a message to this effect is issued.

User Response: See DFHSM0128 for further information.

Ensure that the REGION parameter for the CICS job is large enough.

See the *OS/390 MVS JCL Reference* for more information about specifying storage on the REGION parameter.

Destination: Console

Module: DFHSMDM

XMEOUT Parameters: *applid, dsalimit*

DFHSM0131 *applid* **CICS is under stress (short on storage below 16MB).**

Explanation: This message is produced when there is a shortage of storage in any of the dynamic storage areas (DSAs) below 16MB. Either the largest free area in one of the DSAs is less than the size of the internally defined cushion for that DSA, or there is at least one transaction suspended due to insufficient contiguous free storage.

System Action: An exception entry is made in the trace table to record the event.

CICS continues to operate but takes steps to alleviate the situation by, for example, slowing down the rate at which new tasks are started and by releasing storage occupied by programs which are not currently in use.

User Response: No immediate action is required. However, if the problem persists you could increase the value of the DSALIMIT parameter, if possible, or reduce the storage requirements below 16MB of your CICS system. For more information about how to do this, see the *CICS Performance Guide*.

Destination: Console

Module: DFHSMSY

XMEOUT Parameter: *applid*

DFHSM0132 *applid* **CICS is no longer short on storage below 16MB.**

Explanation: The short on storage condition reported by message DFHSM0131 has ceased.

System Action: CICS continues.

User Response: None.

Destination: Console

Module: DFHSMSY

XMEOUT Parameter: *applid*

DFHSM0133 *applid* **CICS is under stress (short on storage above 16MB).**

Explanation: There is a shortage of storage in one of the dynamic storage areas (DSAs) above 16MB. Either the largest free area in one of the DSAs is less than the size of the internally defined cushion for that DSA, or there is at least one transaction suspended due to insufficient contiguous free storage.

System Action: An exception entry is made in the trace table to record the event.

CICS continues to operate but takes steps to alleviate the situation by, for example, slowing down the rate at which new tasks are

started and by releasing storage occupied by programs which are not currently in use.

User Response: No immediate action is required. However, if the problem persists you could, if possible, increase the value of the EDSALIMIT parameter, or reduce the storage requirements of your CICS system above 16MB. For guidance on how to do this, see the *CICS Performance Guide*.

Destination: Console

Module: DFHSMSY

XMEOUT Parameter: *applid*

DFHSM0134 *applid* **CICS is no longer short on storage above 16MB.**

Explanation: The short on storage condition reported by message DFHSM0133 has ceased.

System Action: CICS continues.

User Response: None.

Destination: Console

Module: DFHSMSY

XMEOUT Parameter: *applid*

DFHSM0135 *applid* **Insufficient storage to allocate the requested size of** *dsasize***K for the** *dsaname***.**

Explanation: CICS has attempted to allocate the requested size of *dsasize* for the dynamic storage area *dsaname* but there is insufficient storage to satisfy the request.

Note: The size of a dynamic storage area (DSA) below 16MB specified via the SIT override is rounded up to a multiple of 256KB (or 1MB for the UDSA if transaction isolation is in effect). The size of a DSA above 16MB specified via the SIT override is rounded up to a multiple of 1MB.

System Action: An error return code is sent to the domain manager, DFHDMDM (the caller of storage manager). The domain manager might then terminate CICS, in which case a message to this effect is issued.

User Response: Either reduce the value specified in the DSASZE parameter, or increase the value specified in the DSALIM parameter.

Destination: Console

Module: DFHSMDM

XMEOUT Parameters: *applid, dsasize, dsaname*

DFHSM0136I *applid* **The size of the** *dsaname* **was specified as** *dsasize***K.**

Explanation: This is an informatory message giving the size *dsasize* of the dynamic storage area (DSA) *dsaname*.

System Action: CICS continues.

User Response: None. You can suppress this message with the message level system initialization parameter, MSGLVL=0.

Destination: Console

Module: DFHSMDM

XMEOUT Parameters: *applid, dsaname, dsasize*

DFHSM0300 DFHSMUTL ERROR REPORT

Explanation: This is the report from the local catalog storage manager domain subpool record manipulation program, DFHSMUTL. A number of lines may be written to the report:
DFHSM0300 DFHSMUTL REPORT
Report header.
ADD SUBPOOL=xxxxxxxx PROCESSED SUCCESSFULLY
ADD SUBPOOL=xxxxxxxx has been processed successfully.
DEL SUBPOOL=xxxxxxxx PROCESSED SUCCESSFULLY
DEL SUBPOOL=xxxxxxxx has been processed successfully.
FOUND DFHLCD RECORD SMSUBPOL=xxxxxxxx
Subpool record found by the LST command.
ERROR OPENING DFHLCD
An error has occurred opening the local catalog data set. The program is terminated.
UNRECOGNISED VERB xxx IN INPUT
Only ADD, DEL and LST are allowed. The statement is ignored.
UNRECOGNISED OPERAND xxxxxxxx IN INPUT
Only ADD SUBPOOL=xxxxxxxx or DEL SUBPOOL=xxxxxxxx are allowed. The statement is ignored.
ERROR PROCESSING 'ADD SUBPOOL=xxxxxxxx'. R15 = X'yy'. RPL FEEDBACK CODE = X'zz'. SEE DFSMS/MVS MACRO INSTRUCTIONS FOR DATA SETS
A VSAM error has occurred whilst processing an ADD SUBPOOL=xxxxxxxx command. For the meaning of the VSAM codes, refer to *DFSMS/MVS Macro Instructions for Data Sets*, SC26-4913. The program is terminated.
ERROR PROCESSING 'DEL SUBPOOL=xxxxxxxx'. R15 = X'yy'. RPL FEEDBACK CODE = X'zz'. SEE DFSMS/MVS MACRO INSTRUCTIONS FOR DATA SETS
A VSAM error has occurred whilst processing a DEL SUBPOOL=xxxxxxxx command. For the meaning of the VSAM codes, refer to *DFSMS/MVS Macro Instructions for Data Sets*, SC26-4913. The program is terminated.
END OF DFHSMUTL REPORT
Report trailer.

System Action: See Explanation.

User Response: If an error is reported, correct the cause and retry.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHSMUTL

DFHSNxxxx messages

DFHSN0001 *applid* **An abend (code** *aaa/bbbb***) has occurred at offset** *X'offset'* **in module** *modname***.**

Explanation: An abnormal end (abend) or program check has occurred in module *modname*. This implies that there may be an error in the CICS code. Alternatively, unexpected data has been input, or storage has been overwritten.

The code *aaa/bbbb* is a 3-digit hexadecimal MVS code (if applicable), followed by a 4-digit alphanumeric CICS code. The MVS code is a system completion code (for example, 0C1 or D37). If an MVS code is not applicable, this field is filled with three hyphens. The CICS code is an abend code or a number referring

to a CICS message (for example, AKEA is a CICS abend code; 1310 refers to message DFHTS1310).

System Action: An exception entry is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS continues unless you have specified in the dump table that CICS should terminate. If appropriate, an error return code is sent to the caller of this domain. In this case CICS could be terminated by the caller (for example, the domain manager, DFHDMDM). A message is issued to this effect.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Notify the system programmer. If CICS is still running, it is necessary to decide whether to terminate CICS.

Look up the MVS code, if there is one, in the relevant MVS codes manual which is detailed in the book list in the front of this manual.

Next, look up the description of the CICS alphanumeric code. This tells you, for example, whether the error was a program check, an abend, or a runaway, and may give you some guidance concerning user response.

If module *modname* is not crucial to the running of your CICS system, you may decide to continue to run and bring CICS down at a convenient time to resolve the problem.

If you cannot run without the full use of module *modname* you should bring CICS down in a controlled shutdown.

You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Modules: DFHSNUS, DFHSNAS, DFHSNPU, DFHSNSU, DFHSNTU, DFHSNXR,

XMEOUT Parameters: *applid, aaa/bbbb, X'offset', modname*

DFHSN0002 *applid* **A severe error (code** *X'code'***) has occurred in program** *progname***.**

Explanation: CICS has detected a severe error while running module *progname*. This error is associated with exception trace point ID *code*. For further information about CICS exception trace entries, refer to the *CICS Problem Determination Guide*.

System Action: The task issuing the signon abends.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Modules: DFHSNUS, DFHSNAS, DFHSNPU, DFHSNSU, DFHSNTU, DFHSNXR

XMEOUT Parameters: *applid, X'code', progname*

DFHSN0004 *applid* **A possible loop has been detected at offset** *X'offset'* **in module** *modname***.**

Explanation: A CICS function is taking more time to process than CICS expects. A possible loop has been detected in module *modname* at offset X'*offset*'. This is the offset of the instruction which was executing at the time the error was detected.

System Action: An exception entry is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS continues unless you have specified in the dump table that CICS should terminate. If appropriate, an error return code is sent to the caller of this domain. In this case CICS could be terminated by the caller (for example, the domain manager, DFHDMDM). A message is issued to this effect.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Notify the system programmer. If CICS has not been terminated, it is necessary to decide whether the problem is serious enough to bring CICS down.

Since some CICS functions can use a lot of processor time, this message may have been caused by a long-running function. So there may not be an error here. Usually, CICS purges a CICS function which exceeds the runaway task time interval which you have specified in the SIT (this is the ICVR which is measured in milliseconds). This means that module *modname* in the message is terminated and CICS continues.

But if you have declared ICVR=0 in the SIT and you consider that module *modname* has gone into a loop, you have to terminate CICS in order to terminate the runaway function.

If CICS has terminated module *modname*, and you consider that it was not a runaway, you should increase the ICVR time interval in the SIT. You have to bring CICS down at a suitable time to do this permanently. But you can change the ICVR time interval temporarily online, using the CEMT transaction.

If raising the ICVR time does not solve the problem, you will need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Modules: DFHSNUS, DFHSNAS, DFHSNPU, DFHSNSU, DFHSNTU, DFHSNXR

XMEOUT Parameters: *applid, X'offset', modname*

DFHSN1100 *date time applid* **Signon at** *{netname | console | terminal }portname* **by user** *userid* **in group** *groupid* **is complete.**

Explanation: Terminal *portname* has been signed on. It now has the security attributes for userid *userid* in group *groupid*.

System Action: Processing continues.

User Response: The user at terminal *portname* can now use those CICS transactions permitted for this userid in group *groupid*.

Destination: CSCS

Module: DFHSNTU

XMEOUT Parameters: *date, time, applid, {1=netname , 2=console , 3=terminal }, portname, userid, groupid*

DFHSN1101 *date time applid* **Signon at** *{netname | console | terminal }portname* **has failed. User** *userid* **not recognized.**

Explanation: A signon has been issued from terminal *portname* which specified a userid *userid* that is not known to the ESM.

System Action: The signon request is rejected.

User Response: Unless this implies a breach of security that needs investigating, contact your security administrator so that the userid can be made known to the ESM.

Destination: CSCS

Module: DFHSNTU

XMEOUT Parameters: *date, time, applid, {1=netname , 2=console , 3=terminal }, portname, userid*

DFHSN1102 *date time applid* **Signon at** *{netname | console | terminal }portname* **by user** *userid* **has failed. Password not recognized.**

Explanation: A signon has been issued from terminal *portname* which specified an incorrect password.

This was probably caused by a misspelling of the password or because the password is not valid for this userid.

System Action: The signon request is rejected.

User Response: None, unless this implies a breach of security that needs investigating.

Destination: CSCS

Module: DFHSNTU

XMEOUT Parameters: *date, time, applid, {1=netname , 2=console , 3=terminal }, portname, userid*

DFHSN1103 *date time applid* **Signon at** *{netname | console | terminal }portname* **by user** *userid* **has failed. OID card damaged or not authorized.**

Explanation: A signon has been issued from terminal *portname* which used an unauthorized or damaged operator identification (OID) card.

System Action: The signon request is rejected.

User Response: None, unless this implies a breach of security that needs investigating.

Destination: CSCS

Module: DFHSNTU

XMEOUT Parameters: *date, time, applid, {1=netname , 2=console , 3=terminal }, portname, userid*

DFHSN1104 *date time applid* **Signon at** *{netname | console | terminal }portname* **by user** *userid* **has failed. New password not allowed.**

Explanation: A signon has been issued from terminal *portname* which attempted to change the password to a value that the external security manager (ESM) does not allow.

System Action: The signon request is rejected.

User Response: None, unless this implies a breach of security that needs investigating.

Destination: CSCS

Module: DFHSNTU

XMEOUT Parameters: *date, time, applid, {1=netname , 2=console , 3=terminal }, portname, userid*

DFHSN1105 *date time applid* **Signon at** *{netname | console | terminal }portname* **by user** *userid* **requires a password.**

Explanation: A signon has been issued from terminal *portname* which did not specify a password. The signon has been rejected because user *userid* requires a password.

System Action: The signon request is rejected.

User Response: None, unless this implies a breach of security that needs investigating.

Destination: CSCS

Module: DFHSNTU

XMEOUT Parameters: *date, time, applid, {1=netname , 2=console , 3=terminal }, portname, userid*

DFHSN1106 *date time applid* **Signon at** *{netname | console | terminal }portname* **by user** *userid* **requires a new password.**

Explanation: A signon has been issued from terminal *portname* for which the external security manager (ESM) indicates the password has expired.

This does not imply a security breach. It is a normal response indicating that the ESM password has expired.

System Action: The signon request is rejected.

User Response: None.

Destination: CSCS

Module: DFHSNTU

XMEOUT Parameters: *date, time, applid, {1=netname , 2=console , 3=terminal }, portname, userid*

DFHSN1107 *date time applid* **Signon at** *{netname | console | terminal }portname* **by user** *userid* **requires an OID card.**

Explanation: A signon has been issued from terminal *portname* which did not use an operator identification (OID) card when the external security manager (ESM) indicates that one should have been used.

System Action: The signon request is rejected.

User Response: None, unless this implies a breach of security which needs investigating.

Destination: CSCS

Module: DFHSNTU

XMEOUT Parameters: *date, time, applid, {1=netname , 2=console , 3=terminal }, portname, userid*

DFHSN1108 *date time applid* **Signon at** *{netname | console | terminal }portname* **by user** *userid* **has failed. SAF codes are (***X'safresp'***,***X'safreas'***). ESM codes are (***X'esmresp'***,***X'esmreas'***).**

Explanation: A signon has been issued from terminal *portname* and has been rejected by the external security manager (ESM).

System Action: The signon request is rejected.

User Response: The response and reason codes (*safresp* and *safreas*) returned by the system authorization facility (SAF), and the response and reason codes (*esmresp* and *esmreas*) returned by the external security manager (ESM) are those issued by the RACROUTE REQUEST=VERIFY or RACROUTE

REQUEST=EXTRACT macros. These return codes are described in the *OS/390 MVS Programming: Authorized Assembler Services Guide* and in *External Security Interface (RACROUTE) Macro Reference for MVS and VM* (SC28-1366). See these manuals for an explanation of the codes.

Destination: CSCS

Module: DFHSNTU

XMEOUT Parameters: *date, time, applid, {1=netname , 2=console , 3=terminal }, portname, userid, X'safresp', X'safreas', X'esmresp', X'esmreas'*

DFHSN1112 *date time applid* **Signon at** *{netname | console | terminal }portname* **by user** *userid* **has failed because the terminal has preset security.**

Explanation: A signon has been issued from terminal *portname*. This terminal has been defined to CICS with fixed security attributes. It does NOT support signon.

System Action: The signon request is rejected.

User Response: None, unless this implies a breach of security that needs investigating.

Destination: CSCS

Module: DFHSNTU

XMEOUT Parameters: *date, time, applid, {1=netname , 2=console , 3=terminal }, portname, userid*

DFHSN1113 *date time applid* **Signon at** *{netname | console | terminal }portname* **by user** *userid* **has failed because the terminal was already signed on.**

Explanation: A signon has been issued from terminal *portname* while a previous signon was still in effect for this terminal.

System Action: The signon request is rejected.

User Response: None, unless this implies a breach of security which needs investigating.

Destination: CSCS

Module: DFHSNTU

XMEOUT Parameters: *date, time, applid, {1=netname , 2=console , 3=terminal }, portname, userid*

DFHSN1114 *date time applid* **Signon by user** *userid* **has failed because there is no terminal associated with the requesting task.**

Explanation: A signon has been issued by user *userid* from a task that had been started without a terminal.

System Action: The signon request is rejected.

User Response: Investigate why a signon has been issued from a task that is not associated with a terminal.

Destination: CSCS

Module: DFHSNTU

XMEOUT Parameters: *date, time, applid, userid*

DFHSN1115 *date time applid* **Signon at** *{netname | console | terminal }portname* **by user** *userid* **has failed. Signon is not allowed at a surrogate terminal except by use of the CRTE transaction.**

Explanation: CICS does not support the signing-on of surrogate terminals, except when done during a CRTE routing session.

System Action: Processing continues.

User Response: Investigate how and why users are attempting to use signon via transaction routing.

Destination: CSCS

Module: DFHSNTU

XMEOUT Parameters: *date, time, applid, {1=netname , 2=console , 3=terminal }, portname, userid*

DFHSN1116 *date time applid* **Signon at** *{netname | console | terminal }portname* **by user** *userid* **has failed because the national language to be used is not supported in this run of CICS.**

Explanation: The national language specified has been recognized as a valid IBM national language. However, either this language cannot be specified as a valid national language for CICS initialization, or CICS has not been initialized with this language in the current run of CICS.

See the *CICS Application Programming Reference* for a list of national languages that CICS can be initialized to use.

System Action: Signon fails.

User Response: Retry signon with a national language that CICS has been initialized to use.

Destination: CSCS

Module: DFHSNTU

XMEOUT Parameters: *date, time, applid, {1=netname , 2=console , 3=terminal }, portname, userid*

DFHSN1117 *date time applid* **Signon at** *{netname | console | terminal }portname* **by user** *userid* **has failed because an invalid national language was selected.**

Explanation: Signon failed because the language specified was not recognized as an IBM national language.

System Action: Signon fails.

User Response: Retry signon with a correct language value.

Destination: CSCS

Module: DFHSNTU

XMEOUT Parameters: *date, time, applid, {1=netname , 2=console , 3=terminal }, portname, userid*

DFHSN1118 *date time applid* **Signon at** *{netname | console | terminal }portname* **by user** *userid* **has failed because the user is not authorized to use the terminal.**

Explanation: A signon has been issued from terminal *portname* which has failed. The user is not authorized to use the terminal.

System Action: The signon request is rejected.

User Response: Contact your security administrator, who should check if the user should be authorized to use terminal *portname*.

In particular, check if the user should be able to access the system on this particular day and time and whether the terminal may be used on this day and time.

Destination: CSCS

Module: DFHSNTU

XMEOUT Parameters: *date, time, applid, {1=netname , 2=console , 3=terminal }, portname, userid*

DFHSN1119 *date time applid* **Signon at** *{netname | console | terminal }portname* **by user** *userid* **has failed because the user is not authorized to use application** *applname***.**

Explanation: A signon has been issued from terminal *portname* which has failed. The user is not authorized to use the application *applname*.

- If you are using the VTAM generic resource function, *applname* is the generic resource name specified in the GRNAME system initialization parameter.
- If you are using XRF, *applname* is the generic applid specified as the first operand of the APPLID system initialization parameter.
- Otherwise, *applname* is the application identifier specified as the single operand of the APPLID system initialization parameter.

System Action: The signon request is rejected.

User Response: Contact your security administrator, who should check whether the user should have authorization to use application *applid*.

Destination: CSCS

Module: DFHSNTU

XMEOUT Parameters: *date, time, applid, {1=netname , 2=console , 3=terminal }, portname, userid, applname*

DFHSN1120 *date time applid* **Signon at** *{netname | console | terminal }portname* **by user** *userid* **has failed because the** *{userid | group access}* **has been revoked.**

Explanation: Either the userid, or the user's access to the ESM group containing it, has been revoked by the ESM. This is usually the result of repeated attempts to signon with an invalid password.

System Action: The signon request is rejected.

User Response: For revoked userids, contact your security administrator who can reauthorize the revoked userid by issuing the ALTUSER RESUME function. For revoked group access, contact your security administrator who can restore the user's access to the group by issuing the CONNECT RESUME function.

Destination: CSCS

Module: DFHSNTU

XMEOUT Parameters: *date, time, applid, {1=netname , 2=console , 3=terminal }, portname, userid, {1=userid, 2=group access}*

DFHSN1129 *date time applid* **Signon at** *{netname | console | terminal }portname* **by user** *userid* **has failed because the user is already signed on elsewhere.**

Explanation: A signon has been issued from terminal *portname* while the user is already signed on under the restrictions imposed by the current setting of the SNSCOPE system initialization parameter.

System Action: The signon request is rejected.

User Response: Investigate why users are attempting to signon twice within the current signon scope.

See the *CICS System Definition Guide* for more information about the SNSCOPE parameter.

Destination: CSCS

Module: DFHSNTU

XMEOUT Parameters: *date, time, applid, {1=netname , 2=console , 3=terminal }, portname, userid*

DFHSN1130 *date time applid* **Signon at** *{netname | console | terminal }portname* **by user** *userid* **failed because the userid was not found in the specified group.**

Explanation: A signon has been issued from terminal *portname* which has failed. Either the userid is not in the specified group, or the group specified for this user to be associated with after signon is not known to the ESM.

System Action: The signon request is rejected.

User Response: Check that the groupid specified is correct. If it is, contact your security administrator to ensure that this group is defined properly, and that the user is connected to this group.

Destination: CSCS

Module: DFHSNTU

XMEOUT Parameters: *date, time, applid, {1=netname , 2=console , 3=terminal }, portname, userid*

DFHSN1131 *date time applid* **Signon at** *{netname | console | terminal }portname* **by user** *userid* **has failed because security is not active in this CICS region.**

Explanation: A signon has been issued from terminal *portname* which has failed. This is because this CICS region is running without security active.

System Action: The signon request is rejected.

User Response: None.

Destination: CSCS

Module: DFHSNTU

XMEOUT Parameters: *date, time, applid, {1=netname , 2=console , 3=terminal }, portname, userid*

DFHSN1132 *date time applid* **Signon at terminal** *termid* **by user** *userid* **has failed because the terminal is a session.**

Explanation: A signon has been issued from terminal *termid* which is a session. The security attributes of a session can only be changed on receipt of a valid FMH-5 attach header.

System Action: The signon request is rejected.

User Response: Investigate how and why users are attempting to use signon for a session.

Destination: CSCS

Module: DFHSNTU

XMEOUT Parameters: *date, time, applid, termid, userid*

DFHSN1133 *date time applid* **Signon at** *{netname | console | terminal }portname* **by user** *userid* **has failed because of an error during SNSCOPE checking.**

Explanation: A signon has been issued from terminal *portname*. The SNSCOPE initialization parameter disallows signon to more than one terminal at a time. An internal failure during SNSCOPE checking means that CICS is unable to confirm if the user is already signed on elsewhere. The failure has occurred because the limit of concurrent MVS ENQ requests has been reached.

System Action: The signon request is rejected. Message DFHUS0120 will have been written to the console. See the explanation of this message for further information.

User Response: Please report this problem to your CICS systems programmer.

See the *CICS System Definition Guide* for more information about the SNSCOPE parameter.

Destination: CSCS

Module: DFHSNTU

XMEOUT Parameters: *date, time, applid, {1=netname , 2=console , 3=terminal }, portname, userid*

DFHSN1150 *date time applid* **Signon at TCAM pool by user** *userid* **in group** *groupid* **is complete.**

Explanation: A TCAM pool of terminals has been signed on by user *userid*. All terminals in this TCAM pool now have the security attributes for user *userid* in group *groupid*.

System Action: Processing continues.

User Response: The user at any of these TCAM terminals can now use those CICS transactions permitted for this userid in group *groupid*.

Destination: CSCS

Module: DFHSNTU

XMEOUT Parameters: *date, time, applid, userid, groupid*

DFHSN1200 *date time applid* **Signoff at** *{netname | console | terminal }portname* **by user** *userid* **is complete.** *tt* **transactions entered with** *nn* **errors.**

Explanation: Terminal *portname* has been signed off. It now has the default security attributes.

nn indicates the number of errors which have occurred.

System Action: Processing continues.

User Response: None.

Destination: CSCS

Module: DFHSNTU

XMEOUT Parameters: *date, time, applid, {1=netname , 2=console , 3=terminal }, portname, userid, tt, nn*

DFHSN1211 *date time applid* **Signoff at terminal** *termid* **has failed because the terminal is a session.**

Explanation: A signoff has been issued from terminal *termid* which is a session. The security attributes of a session can only be changed on receipt of a valid FMH-5 attach header.

System Action: The signoff request is rejected.

User Response: Investigate how and why users are attempting to use signoff for a session.

Destination: CSCS

Module: DFHSNTU

XMEOUT Parameters: *date, time, applid, termid*

DFHSN1212 *date time applid* **Signoff at** *{netname | console | terminal }portname* **has failed because the terminal has preset security.**

Explanation: A signoff has been issued from terminal *portname* which has been defined to CICS with fixed security attributes and so does not support signoff.

System Action: The signoff request is rejected.

User Response: None, unless this implies a breach of security which needs investigating.

Destination: CSCS

Module: DFHSNTU

XMEOUT Parameters: *date, time, applid, {1=netname , 2=console , 3=terminal }, portname*

DFHSN1213 *date time applid* **Signoff at** *{netname | console | terminal }portname* **has failed because the terminal was not signed on.**

Explanation: A signoff has been issued from terminal *portname* while no previous signon was in effect.

System Action: The signoff request is rejected.

User Response: None, unless this implies a breach of security which needs investigating.

Destination: CSCS

Module: DFHSNTU

XMEOUT Parameters: *date, time, applid, {1=netname , 2=console , 3=terminal }, portname*

DFHSN1214 *date time applid* **An attempted signoff has failed because there was no terminal associated with the requesting task.**

Explanation: A signoff has been issued from a task that had been started without a terminal.

System Action: The signoff request is rejected.

User Response: Investigate why a signoff has been issued from a task that is not associated with a terminal.

Destination: CSCS

Module: DFHSNTU

XMEOUT Parameters: *date, time, applid*

DFHSN1215 *date time applid* **Signoff at** *{netname | console | terminal }portname* **has failed. Signoff is not allowed at a surrogate terminal except by use of the CRTE transaction.**

Explanation: CICS does not support the signing off of surrogate terminals, except when done during a CRTE routing session.

System Action: Processing continues.

User Response: Investigate how and why users are attempting to use signoff via transaction routing.

Destination: CSCS

Module: DFHSNTU

XMEOUT Parameters: *date, time, applid, {1=netname , 2=console , 3=terminal }, portname*

DFHSN1250 *date time applid* **Signoff at TCAM pool is complete.**

Explanation: A TCAM pool of terminals has been signed off. All terminals in this TCAM pool now have default security attributes.

System Action: Processing continues.

User Response: None.

Destination: CSCS

Module: DFHSNTU

XMEOUT Parameters: *date, time, applid*

DFHSN1300 *date time applid* **An attempt to reschedule BMS pages for operator** *opid* **at** *{netname | console | terminal }portname* **has failed following a timeout. Pages on temporary storage queue** *X'hexqueueid'* **may require cleanup.**

Explanation: Operator *opid* has been timed out on terminal *netname* while viewing BMS pages. CICS has attempted to reschedule the pages so that they are available when the operator signs on again, but the reschedule has failed.

The pages are available on temporary storage queue *hexqueueid*. This queue continues to exist until it is explicitly disposed of.

System Action: Processing continues.

User Response: If you still need to view this data, repeat the processing which created the BMS pages.

Destination: CSCS

Module: DFHSNTU

XMEOUT Parameters: *date, time, applid, opid, {1=netname , 2=console , 3=terminal }, portname, X'hexqueueid'*

DFHSN1400 *date time applid* **Session signon for session** *session* **by user** *userid* **is complete.**

Explanation: The two CICS systems are connected and the MRO/ISC session is given the security authority of user *userid*.

System Action: The MRO/ISC sessions are signed on.

User Response: None.

Destination: CSCS

Module: DFHSNSU

XMEOUT Parameters: *date, time, applid, session, userid*

DFHSN1401 *date time applid* **Session signon for session** *session* **by user** *userid* **has failed. SAF codes are (***X'safresp'***,***X'safreas'***). ESM codes are (***X'esmresp'***,***X'esmreas'***).**

Explanation: An MRO/ISC signon is attempted by user *userid* but the signon has failed for the reason given.

System Action: The session is not signed on.

User Response: The response and reason codes (*safresp* and *safreas*) returned by the system authorization facility (SAF), and the response and reason codes (*esmresp* and *esmreas*) returned by the external security manager (ESM) are those issued by the RACROUTE REQUEST=VERIFY or RACROUTE REQUEST=EXTRACT macros. These return codes are described in the *OS/390 MVS Programming: Authorized Assembler Services Guide*, and in *External Security Interface (RACROUTE) Macro Reference for MVS and VM* (SC28-1366). Consult the manuals to find the cause of the codes.

Destination: CSCS

Module: DFHSNSU

XMEOUT Parameters: *date, time, applid, session, userid, X'safresp', X'safreas', X'esmresp', X'esmreas'*

DFHSN1410 *date time applid* **Session signon for session** *session* **with default security attributes is complete.**

Explanation: The two CICS systems are connected and the MRO/ISC session is given the security authority of the default user.

System Action: The MRO/ISC sessions are signed on.

User Response: None.

Destination: CSCS

Module: DFHSNSU

XMEOUT Parameters: *date, time, applid, session*

DFHSN1500 *date time applid* **Session signoff for session** *session* **is complete.** *tt* **transactions entered with** *nn* **errors.**

Explanation: An MRO/ISC session is signed-off.

nn indicates the number of abends which have occurred.

System Action: The security authority is removed from the session.

User Response: None.

Destination: CSCS

Module: DFHSNSU

XMEOUT Parameters: *date, time, applid, session, tt, nn*

DFHSN1501 *date time applid* **Session signoff for session** *session* **has failed. SAF codes are (***X'safresp'***,***X'safreas'***). ESM codes are (***X'esmresp'***,***X'esmreas'***).**

Explanation: An MRO/ISC signoff is attempted but the signoff has failed for the reason given.

System Action: Processing continues.

User Response: The response and reason codes (*safresp* and *safreas*) returned by the system authorization facility (SAF), and the response and reason codes (*esmresp* and *esmreas*) returned by the external security manager (ESM) are those issued by the RACROUTE REQUEST=VERIFY or RACROUTE REQUEST=EXTRACT macros. These return codes are described in the *OS/390 MVS Programming: Authorized Assembler Services Guide*, and in *External Security Interface (RACROUTE) Macro Reference for MVS and VM* (SC28-1366). Consult the manuals to find the cause of the codes.

Destination: CSCS

Module: DFHSNSU

XMEOUT Parameters: *date, time, applid, session, X'safresp', X'safreas', X'esmresp', X'esmreas'*

DFHSN1604 *date time applid* **Attach header signon at terminal** *termid* **by user** *userid* **has failed. SAF codes are (***X'safresp'***,***X'safreas'***). ESM codes are (***X'esmresp'***,***X'esmreas'***).**

Explanation: User *userid* has failed the implicit signon for attach security.

System Action: The attach fails.

User Response: The response and reason codes (*safresp* and *safreas*) returned by the system authorization facility (SAF), and the response and reason codes (*esmresp* and *esmreas*) returned by the external security manager (ESM) are those issued by the

RACROUTE REQUEST=VERIFY or RACROUTE REQUEST=EXTRACT macros. These return codes are described in the *OS/390 MVS Programming: Authorized Assembler Services Guide*, and in *External Security Interface (RACROUTE) Macro Reference for MVS and VM* (SC28-1366). Consult the manuals to find the cause of the codes.

Destination: CSCS

Module: DFHSNUS

XMEOUT Parameters: *date, time, applid, termid, userid, X'safresp', X'safreas', X'esmresp', X'esmreas'*

DFHSN1605 *date time applid* **Attach header signon at terminal** *termid* **has failed. SAF codes are (***X'safresp'***,***X'safreas***'). ESM codes are (***X'esmresp'***,***X'esmreas***').**

Explanation: The implicit signon for local user security has failed.

System Action: The attach fails.

User Response: The response and reason codes (*safresp* and *safreas*) returned by the system authorization facility (SAF), and the response and reason codes (*esmresp* and *esmreas*) returned by the external security manager (ESM) are those issued by the RACROUTE REQUEST=VERIFY or RACROUTE REQUEST=EXTRACT macros. These return codes are described in the *OS/390 MVS Programming: Authorized Assembler Services Guide*, and in *External Security Interface (RACROUTE) Macro Reference for MVS and VM* (SC28-1366). Consult the manuals to find the cause of the codes.

Destination: CSCS

Module: DFHSNUS

XMEOUT Parameters: *date, time, applid, termid, X'safresp', X'safreas', X'esmresp', X'esmreas'*

DFHSN1606 *date time applid* **Attach header signoff at terminal** *termid* **has failed. SAF codes are (***X'safresp'***,***X'safreas***'). ESM codes are (***X'esmresp'***,***X'esmreas***').**

Explanation: The user has failed the implicit signoff for attach security.

System Action: Processing continues.

User Response: The response and reason codes (*safresp* and *safreas*) returned by the system authorization facility (SAF), and the response and reason codes (*esmresp* and *esmreas*) returned by the external security manager (ESM) are those issued by the RACROUTE REQUEST=VERIFY or RACROUTE REQUEST=EXTRACT macros. These return codes are described in the *OS/390 MVS Programming: Authorized Assembler Services Guide*, and in *External Security Interface (RACROUTE) Macro Reference for MVS and VM* (SC28-1366). Consult the manuals to find the cause of the codes.

Destination: CSCS

Module: DFHSNUS

XMEOUT Parameters: *date, time, applid, termid, X'safresp', X'safreas', X'esmresp', X'esmreas'*

DFHSN1800 *date time applid* **Signon at** *{netname | console | terminal }portname* **by preset user** *userid* **in group** *groupid* **is complete.**

Explanation: The user *userid*, specified for preset security terminal *portname* has been signed on to the external security manager (ESM).

System Action: The security attributes for this userid are used in all security requests issued against this terminal.

The terminal is now PRESET with this userid for its entire duration.

User Response: None.

Destination: CSCS

Module: DFHSNPU

XMEOUT Parameters: *date, time, applid, {1=netname , 2=console , 3=terminal }, portname, userid, groupid*

DFHSN1801 *date time applid* **Signon at** *{netname | console | terminal }portname* **by preset user** *userid* **has failed. SAF codes are (***X'safresp'***,***X'safreas***'). ESM codes are (***X'esmresp'***,***X'esmreas***').**

Explanation: The user *userid*, specified for a preset security terminal *portname*, could not be signed on to the external security manager (ESM).

System Action: The signon request is rejected and the terminal cannot be put in service.

User Response: The response and reason codes (*safresp* and *safreas*) returned by the system authorization facility (SAF), and the response and reason codes (*esmresp* and *esmreas*) returned by the external security manager (ESM) are those issued by the RACROUTE REQUEST=VERIFY or RACROUTE REQUEST=EXTRACT macros. These return codes are described in the *OS/390 MVS Programming: Authorized Assembler Services Guide*, and in *External Security Interface (RACROUTE) Macro Reference for MVS and VM* (SC28-1366). Consult the manuals to find the cause of the codes.

Destination: CSCS

Module: DFHSNPU

XMEOUT Parameters: *date, time, applid, {1=netname , 2=console , 3=terminal }, portname, userid, X'safresp', X'safreas', X'esmresp', X'esmreas'*

DFHSN1850 *date time applid* **Signoff at preset** *{netname | console | terminal }portname* **is complete.**

Explanation: The preset security terminal *portname* has been signed off while the terminal was being deleted. Its security has been removed.

System Action: Processing continues.

User Response: None.

Destination: CSCS

Module: DFHSNPU

XMEOUT Parameters: *date, time, applid, {1=netname , 2=console , 3=terminal }, portname*

DFHSN1851 *date time applid* **Signoff at preset** *{netname | console | terminal }portname* **has failed. SAF codes are (***X'safresp'***,***X'safreas'***). ESM codes are (***X'esmresp'***,***X'esmreas'***).**

Explanation: The preset security terminal *portname*, could not be signed off while the terminal was being deleted.

System Action: Processing continues.

User Response: The response and reason codes (*safresp* and *safreas*) returned by the system authorization facility (SAF), and the response and reason codes (*esmresp* and *esmreas*) returned by the external security manager (ESM) are those issued by the RACROUTE REQUEST=VERIFY or RACROUTE REQUEST=EXTRACT macros. These return codes are described in the *OS/390 MVS Programming: Authorized Assembler Services Guide*, and in *External Security Interface (RACROUTE) Macro Reference for MVS and VM* (SC28-1366). Consult the manuals to find the cause of the codes.

Destination: CSCS

Module: DFHSNPU

XMEOUT Parameters: *date, time, applid, {1=netname , 2=console , 3=terminal }, portname, X'safresp', X'safreas', X'esmresp', X'esmreas'*

DFHSOxxxx messages

DFHSO0001 *applid* **An abend (code** *aaa/bbbb***) has occurred at offset** *X'offset'* **in module** *modname***.**

Explanation: An abnormal end (abend) or program check has occurred in module *modname*. This implies that there may be an error in the CICS code. Alternatively, unexpected data has been input, or storage has been overwritten.

The code *aaa/bbbb* is a 3-digit hexadecimal MVS code (if applicable), followed by a 4-digit alphanumeric CICS code. The MVS code is a system completion code (for example, 0C1 or D37). If an MVS code is not applicable, this field is filled with three hyphens. The CICS code is an abend code or a number referring to a CICS message (for example, AKEA is a CICS abend code; 1310 refers to message DFHTS1310).

System Action: An exception entry is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS continues unless you have specified in the dump table that CICS should terminate. If appropriate, an error return code is sent to the caller of this domain. In this case CICS could be terminated by the caller (for example, the domain manager, DFHDMDM). A message is issued to this effect.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Notify the system programmer. If CICS is still running, it is necessary to decide whether to terminate CICS.

Look up the MVS code, if there is one, in the relevant MVS codes manual.

Next, look up the CICS alphanumeric code. This tells you, for example, whether the error was a program check, an abend, or a runaway, and may give you some guidance concerning user response.

If module *modname* is not crucial to the running of your CICS system, you may decide to continue to run and bring CICS down at a convenient time to resolve the problem.
If you cannot run without the full use of module *modname* you should bring CICS down in a controlled shutdown.

You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Module: DFHSOCK

XMEOUT Parameters: *applid, aaa/bbbb, X'offset', modname*

DFHSO0002 *applid* **A severe error (code** *X'code'***) has occurred in module** *modname***.**

Explanation: An error has been detected in module *modname*. The code X'*code*' is the exception trace point ID which uniquely identifies what the error is and where the error was detected.

System Action: An exception entry (code X'*code*' in the message) is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS continues unless you have specified in the dump table that CICS should terminate. If appropriate, an error return code is sent to the caller of this domain. In this case, CICS could be terminated by the caller (for example, the domain manager, DFHDMDM). A message is issued to this effect.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: This indicates a possible error in CICS code. The severity of its impact depends on the importance of the function being executed at the time of the error.

CICS may not have been terminated. If the message occurs once and module *modname* is not crucial to the running of your CICS system, you may decide to continue to run and bring CICS down at a convenient time to resolve the problem.

If the message recurs or if you cannot run without the full use of module *modname*, you should bring CICS down in a controlled shutdown.

You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Modules: DFHSODM, DFHSOL, DFHSOCK, DFHSORD, DFHSOIS.

XMEOUT Parameters: *applid, X'code', modname*

DFHSO0004 *applid* **A possible loop has been detected at offset** *X'offset'* **in module** *modname***.**

Explanation: A CICS function is taking more time to process than CICS expects. A possible loop has been detected in module *modname* at offset X'*offset*'. This is the offset of the instruction which happened to be executing at the time when the error was detected.

System Action: An exception entry is made in the trace table.

A system dump is taken unless you have specifically suppressed the dump (by a user exit program at the XDUREQ exit, in the dump table or by global system dump suppression). CICS processing continues unless you have specified in the dump table that CICS should terminate.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: If CICS has not been terminated, it is necessary to decide whether the problem is serious enough to bring CICS down.

Since some CICS functions can use a lot of CPU time, this message may have been caused by a long-running function, and there may not be an error. Usually, CICS purges a CICS function which exceeds the runaway task time interval that you have specified in the ICVR system initialization parameter. This means that execution of module *modname* is terminated and CICS continues.

If you have specified system initialization parameter ICVR=0 and you consider that module *modname* is looping, you must terminate CICS in order to terminate the runaway function.

If CICS has terminated module *modname*, and you consider that it was not a runaway, you should increase the value of the ICVR system initialization parameter. You have to close down CICS at a suitable time to do this permanently. You can change the ICVR time interval temporarily online using the CEMT transaction.

If raising the ICVR time does not solve the problem, you may need further assistance from IBM to resolve the problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Modules: DFHSOCK, DFHSOSE

XMEOUT Parameters: *applid, X'offset', modname*

DFHSO0100I *applid* **Sockets domain initialization has started.**

Explanation: This is an informational message indicating that sockets domain initialization has started.

System Action: System initialization continues.

User Response: None. The message can be suppressed with the system initialization parameter MSGLVL=0.

Destination: Console

Module: DFHSODM

XMEOUT Parameter: *applid*

DFHSO0101I *applid* **Sockets domain initialization has ended.**

Explanation: This is an informational message indicating that sockets domain initialization has completed successfully.

System Action: System initialization continues.

User Response: None. The message can be suppressed with the system initialization parameter MSGLVL=0.

Destination: Console

Module: DFHSODM

XMEOUT Parameter: *applid*

DFHSO0103 *applid* **ENCRYPTION=STRONG is not available on this system.**

Explanation: The ENCRYPTION=STRONG system initialization parameter was specified, but the necessary feature to implement it was not installed on your system.

System Action: This message is followed by message DFHSO0104, and system initialization continues.

User Response: If you wish to use strong encryption with the secure sockets layer, you must order and install the North American Secure Encryption feature. This CICS feature is only available in the United States of America and Canada.

If the feature is unavailable, you must specify ENCRYPTION=NORMAL, which is the default.

Destination: Console Routecodes 2, 9, 10 and 11

Module: DFHSODM

XMEOUT Parameter: *applid*

DFHSO0104 *applid* **Secure sockets program** *pgmname* **could not be loaded. Secure Sockets Layer is not available.**

Explanation: The program module *pgmname*, which is required to implement the secure sockets layer, could not be loaded.

System Action: System initialization continues, but support for the secure sockets layer is not enabled.

User Response: If this message is preceded by message DFHSO0103, try restarting CICS with ENCRYPTION=NORMAL.

Destination: Console Routecodes 2, 9, 10 and 11

Module: DFHSODM

XMEOUT Parameters: *applid, pgmname*

DFHSO0106 *date time applid* **An OpenEdition Assembler Callable Service error (code** *X'code'***) has occurred in module** *modname***.**

Explanation: An error has been detected in module *modname*. The code X'*code*' is the exception trace point ID which uniquely identifies what the error is and where the error was detected.

System Action: An exception entry (code X'*code*' in the message) is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS continues unless you have specified in the dump table that CICS should terminate. If appropriate, an error return code is sent to the caller of this domain. In this case, CICS could be terminated by the caller (for example, the domain manager, DFHDMDM). A message is issued to this effect.

User Response: This indicates a possible error in CICS code or the called Assembler Callable Service routine. The exception trace entry will tell you which service routine was called and the return values that were returned. Refer to the OS/390 OpenEdition Messages and Codes book to determine the cause of the error. The severity of its impact depends on the importance of the function being executed at the time of the error.

CICS may not have been terminated. If the message occurs once and module *modname* is not crucial to the running of your CICS system, you may decide to continue to run and bring CICS down at a convenient time to resolve the problem.

If the message recurs or if you cannot run without the full use of module *modname*, you should bring CICS down in a controlled shutdown.

Destination: Console and Transient Data Queue CSOO

Module: DFHSOCK

XMEOUT Parameters: *date, time, applid, X'code', modname*

DFHSO0107 *date time applid* **TCPIPSERVICE** *tcpipservice* **has been opened on port** *portnumber* **at IP address** *ipaddress***.**

Explanation: The TCPIPSERVICE *tcpipservice* has been opened on port *portnumber* at the IP address specified.

System Action: CICS continues.

User Response: None.

Destination: CSOO

Module: DFHSOCK

XMEOUT Parameters: *date, time, applid, tcpipservice, portnumber, ipaddress*

DFHSO0108 *date time applid* **TCPIPSERVICE** *tcpipservice* **on port** *portnumber* **at IP address** *ipaddress* **has been closed.**

Explanation: The TCPIPSERVICE *tcpipservice* on port *portnumber* on the specified IP address has been closed.

System Action: CICS continues.

User Response: None.

Destination: CSOO

Module: DFHSOCK

XMEOUT Parameters: *date, time, applid, tcpipservice, portnumber, ipaddress*

DFHSO0109 *date time applid* **The TCPIPSERVICE** *tcpipservice* **could not be opened because the port** *portnumber* **is already in use on the IP address** *ipaddress* **.**

Explanation: This message is issued when the open of a TCPIPSERVICE cannot be completed. The port number specified is already in use in combination with the IP address. By default, TCP/IP only allows one server to be listening on a port at any one time.

Specifically, this message is issued when the TCP/IP bind call fails with a return code of EADDRINUSE.

System Action: The TCPIPSERVICE does not open, but remains closed. An exception trace entry is written detailing the return values from the TCP/IP bind call. An application using the EXEC API to set the TCPIPSERVICE open receives an RESP(INVREQ) RESP2(9).

User Response: Check that there are no other TCPIPSERVICES open using the same port number and IP address as the failing one. If there is another TCPIPSERVICE open using the port, it must be closed before the new one can be opened.

If no TCPIPSERVICES are using the requested port, there may be another OS/390 application acting as a TCP/IP server already listening on the port. For example, the Lotus Go for OS/390 web server may be installed and running on port 80 on the same TCP/IP stack as CICS. Attempting to open a TCPIPSERVICE on port 80 will fail. Use the TSO command NETSTAT to display TCP/IP servers on the system. Choose an unused port for the TCPIPSERVICE.

If your OS/390 system has more than one TCP/IP stack you may specify another stack's IP address on the TCPIPSERVICE definition. This will allow you to install multiple TCPIPSERVICES each using the same port number. You may also configure support in TCP/IP for virtual IP addresses on a single system. This will also allow more than one TCPIPSERVICE to share the same port.

Finally, TCP/IP for OS/390 can be configured with port sharing. This allows multiple servers (TCPIPSERVICES) to use the same port with TCP/IP using load balancing to direct incoming connections to the set of servers on the port. With this enabled, multiple TCPIPSERVICES can each be opened on the same IP address with the same port.

Destination: CSOO

Module: DFHSOCK

XMEOUT Parameters: *date, time, applid, tcpipservice, portnumber, ipaddress*

DFHSO0110 *date time applid* **The TCPIPSERVICE** *tcpipservice* **cannot be opened on the IP address** *ipaddress* **because the address is unknown to TCP/IP.**

Explanation: Opening the TCPIPSERVICE has failed because the IP address specified on the definition is not known to TCP/IP.

This message is issued when the TCP/IP bind call fails with the return value of EADDRNOTAVAIL.

System Action: The IP address must be a valid address known to TCP/IP. It is possible to configure multiple TCP/IP stacks for a single OS/390 system, or to have virtual IP addresses on a single stack. If the system only has one IP address then the IP address field of the TCPIPSERVICE definition can be left blank, or filled with the string INADDR_ANY. This causes the bind to use the default IP address for the system. To use an alternative, a valid address must be specified.

User Response: Check that the address specified on the TCPIPSERVICE definition is known to TCPIP on the system. If it is not, then consult the OS/390 TCP/IP OpenEdition: Configuration Guide for information on defining IP address.

Destination: CSOO

Module: DFHSOCK

XMEOUT Parameters: *date, time, applid, tcpipservice, ipaddress*

DFHSO0111 *date time applid* **Opening the TCPIPSERVICE** *tcpipservice* **has failed because the region userid is not authorized to bind to port** *portnumber***.**

Explanation: Opening the TCPIPSERVICE has failed because the userid of the region is not authorized to use the port number specified.

Binding to port numbers below 1024 requires configuration directives in the TCP/IP configuration files, or the userid to have root authority. It is also possible to explicitly associate userids with port numbers in the TCP/IP configuration files, thus port numbers greater than 1024 may be unavailable to an unauthorized userid.

This message is issued when the TCP/IP bind call fails with a return value of EPERM.

System Action: The TCPIPSERVICE is not opened. If an application has used the EXEC API to open the TCPIPSERVICE, it receives RESP(INVREQ) RESP2(3) values.

User Response: The CICS region's userid must be authorized to open the specified port. Consult the S/390 TCP/IP OpenEdition: Configuration Guide for details on how to do this.

Destination: CSOO

Module: DFHSOCK

XMEOUT Parameters: *date, time, applid, tcpipservice, portnumber*

DFHSO0112 *date time applid* **TCPIPSERVICE** *tcpipservice* **cannot be opened because TCPIP status is not OPEN.**

Explanation: Opening the TCPIPSERVICE has failed because TCPIP is currently not open. Either TCPIP=NO has been specified in the SIT or TCPIP has been dynamically closed using CEMT or an SPI command.

System Action: The TCPIPSERVICE is not opened. If an application has used the EXEC API to open the TCPIPSERVICE, it receives RESP(INVREQ) RESP2(4) values.

User Response: Open TCPIP and re-open the TCPIPSERVICE.

Destination: CSOO

Module: DFHSORD

XMEOUT Parameters: *date, time, applid, tcpipservice*

DFHSO0113 *applid* **The IP address** *ip_address* **cannot be resolved to a host name by the gethostbyaddr function.**

Explanation: CICS has issued the TCP/IP function gethostbyaddr to resolve the IP address *ip_address* to a host name, but the call failed.

System Action: An exception trace entry is made. CICS will continue to attempt to access the name server for subsequent requests.

User Response: The gethostbyaddr function will usually perform a name server reverse lookup to resolve the IP address into a host name. This can fail if CICS is unable to contact a name server, or the name server does not know the correct host name to IP address mapping.

Check that the name server defined to TCP/IP in the /etc/resolv.conf file is valid and responding correctly. You can issue the TSO NSLOOKUP command to query the name server. If a SYSTCPD DD name has been defined in the CICS job, check that the file it references correctly defines the name server. If the name server is defined correctly to CICS then contact the administrator to determine why the IP address lookup has failed.

Destination: Console

Module: DFHSOIS

Destination: Console

Module:

XMEOUT Parameters: *applid, ip_address*

DFHSO0114 *date time applid* **The socket listener cannot attach the transaction** *transaction***, the TCPIPSERVICE** *tcpipservice* **will be closed.**

Explanation: The TCP/IP listener task has received a connection from a client but the attach for the transaction associated with the TCPIPSERVICE definition has failed. The associated transaction may not have been installed or the TCPIPSERVICE definition could have specified the wrong transaction.

System Action: The TCPIPSERVICE that is defined on the port that the connection arrived on is closed. The socket accepted for the client is closed.

User Response: Determine why the attach for the transaction has failed. Correct the error and re-open the TCPIPSERVICE.

Destination: CSOO

Module: DFHSOCK

XMEOUT Parameters: *date, time, applid, transaction, tcpipservice*

DFHSO0115 *date time applid* **CICS has registered the group name** *groupname* **with Work Load Manager. The TCP/IP host name** *genericname* **will become available for DNS connection optimization.**

Explanation: The group name has been registered with Work Load Manager for Domain Name Service (DNS) connection optimization. This occurs when a TCPIPSERVICE is opened where its name begins with the character 'D'. The new generic TCP/IP host name becomes available for clients to use to access the CICS system, and any others that have registered with the named group name.

System Action: CICS has issued the Work Load Manager macro IWMSRSRG to register the specified group name for DNS connection optimization. This only occurs when the name of the TCPIPSERVICE begins with a 'D'. Work Load manager registration only occurs once for a given group name. If multiple TCPIPSERVICES define the same group name, then registration will only occur once.

The group name registered is taken from a combination of part of the name of the TCPIPSERVICE and the transaction defined for the TCPIPSERVICE. Any characters of the name following a dot '.' are concatenated onto the transaction identifier to form the group name. For example, a TCPIPSERVICE has the name D1.CICS and is defined with the transaction IIOP (The IIOP transaction being an alias of the CICS supplied CIOR transaction). The group name generated is 'CICSIIOP'. If the TCPIPSERVICE name does not contain a dot, then only the transaction identifier is used. For example, a TCPIPSERVICE with a name of 'DYNWEB' and a transaction of WWW will generate a registration for the group 'WWW'.

The group name registered effectively becomes a new name in the sysplex TCP/IP domain. When multiple CICS systems in a sysplex each register with the same group name, the DNS server uses Work Load Manager to resolve the group name into one of the IP addresses of the associated systems. The IP address returned is that of the system that is most eligible according to Work Load Manager's load balancing rules. For example, two OS/390 systems in a sysplex are mvs1.plex.hursley.ibm.com and mvs2.plex.hursley.ibm.com; and on each system, CICS registers with the group name cicsiiop. The new name cicsiiop.plex.hursley.ibm.com is dynamically added to the DNS name servers tables. Client TCP/IP applications can use this name instead of the name of one of the specific OS/390 images. When a client resolves the name to an IP address using the DNS, it will get the IP address of the most eligible system. Since the DNS dynamically knows when systems register and deregister, additional CICS systems can be registered as required to expand the list of available IP addresses returned for a group name. If a system fails, its IP address will be removed from the DNS server's list of associated addresses for any groups with which it was registered.

User Response: No user action is necessary.

Destination: CSOO

Module: DFHSOCK

XMEOUT Parameters: *date, time, applid, groupname, genericname*

DFHSO0116 *date time applid* **CICS has deregistered the group name** *groupname* **with Work Load Manager.**

Explanation: The group name has been deregistered from Work Load Manager. This CICS system will no longer participate in connection optimization in the group specified. This occurs when a TCPIPSERVICE is closed where its name begins with a 'D'.

System Action: The Work Load Manager IWMSRDRS call is made to deregister the group name. This will remove the IP address of the system from the DNS servers table associated with the group name.

If more than one open TCPIPSERVICE share the same group name, then the WLM deregistration only occurs when the last one is closed.

User Response: Check the availability of the name server.

Destination: CSOO

Module: DFHSOCK

XMEOUT Parameters: *date, time, applid, groupname*

DFHSO0117 *applid* **Unable to determine the TCP/IP host name. OpenEdition return code** *X'retcode'***, reason code** *X'rc'***. TCP/IP services are unavailable.**

Explanation: OpenEdition has returned a non-zero return code/reason code to a gethostname call during Listener initialization.

System Action: Listener initialization terminates. The CICS region does not open its TCP/IP interface.

User Response: Determine the reason for the gethostname failure. The return code and reason code included in the message text are described in the OS/390 UNIX System Services Messages and Codes manual.

Destination: Console

Module: DFHSOCK

XMEOUT Parameters: *applid, X'retcode', X'rc'*

DFHSO0119 *applid* **Unable to register service** *servicename* **for WLM DDNS on host** *hostname***.**

Explanation: During activation of a TCPIPSERVICE, the Sockets Domain was unable to locate a TCP/IP name server. Without a name server, CICS cannot obtain the information necessary for registration with WLM DDNS.

System Action: TCPIPSERVICE activation continues, but this service is not registered with WLM DDNS.

User Response: Determine why no name server was found. Message DFHSO0113 may have preceded this message. Once the name server has been activated, re-install the TCPIPSERVICE.

Destination: Console

Module: DFHSOCK

XMEOUT Parameters: *applid, servicename, hostname*

DFHSRxxxx messages

DFHSR0001 *applid* **An abend (code** *aaa/bbbb***) has occurred at offset** *X'offset'* **in program** *progname***.**

Explanation: An abnormal end (abend) or program check has occurred in program *progname*. Storage protection is active, and CICS was executing in USER key at the time of the abend or program check.

The code *aaa* is a three digit hexadecimal MVS system completion code (for example, 0C1 or D37). If an MVS code is not applicable, this field is filled with three hyphens. The four digit code *bbbb*, which follows *aaa*, is a user abend code, produced either by CICS or by another product on the user's system. Message DFHME0116 is normally produced containing the symptom string for this problem.

System Action: An exception trace entry is made giving details of the error. System dump SR0001 is taken unless you have specifically suppressed dumps for that dumpcode in the dump table.

CICS continues and abends the transaction, unless you have specified in the dump table that CICS should terminate. The transaction abend code is ASRA, ASRB, ASRD or ASRE.

User Response: As the execution key was USER key, *modname* is probably a customer application program. Review this program and correct the error.

Note that if the error was an 0C4 program check caused by an attempt to overwrite a CICS DSA, the exception trace entry indicates which DSA the program attempted to overwrite. If this is the case, also refer to the explanation for message DFHSR0622.

For advice on problem determination, refer to the *CICS Problem Determination Guide*.

Report the details of the symptom string given in message DFHME0116.

If you want to suppress system dumps that precede ASRA, ASRB, ASRD or ASRE abends when the execution key is USER, you must specify this on an entry in the dump table for system dumpcode SR0001. Use either CEMT or an EXEC CICS command. Further guidance on this can be found in the *CICS System Definition Guide*.

Destination: Console

Module: DFHSRP

XMEOUT Parameters: *applid, aaa/bbbb, X'offset', progname*

DFHSR0601 *applid* **Program interrupt occurred with system task** *taskid* **in control**

Explanation: A program check has been detected in a system task. *taskid* is the system task identifier (for example, TCP, III) as set in field TCAKCTTA.

System Action: CICS abnormally terminates with system dump SR0601 and an exception trace entry which gives the kernel error data for the program check.

User Response: Use the dump to determine the cause of the program check. The most likely causes are either an error in a CICS module, or an error in a user-written PLT program.

For advice on problem determination, refer to the *CICS Problem Determination Guide*.

Destination: Console

Module: DFHSRP

XMEOUT Parameters: *applid, taskid*

DFHSR0602 *applid* **Program interrupt routine has been entered while processing program interrupt for same task**

Explanation: A program check occurred. CICS started to abend the task with an abend code of ASRA when another program check occurred. As this is a potentially recursive situation, DFHSRP terminates CICS.

System Action: CICS abnormally terminates with system dump SR0602 and exception trace entries giving the kernel error data for each program check.

User Response: Try to discover where and why the first program check occurred. The most likely cause is an error in the application program. The second program check may be due to a CICS error while terminating the task.

For advice on problem determination, refer to the *CICS Problem Determination Guide*.

Destination: Console

Module: DFHSRP

XMEOUT Parameter: *applid*

DFHSR0603 *applid* **Program interrupt has occurred**

Explanation: A program check occurred, and CICS did not attempt to recover, because SRT=NO was specified in the system initialization table or by the operator at start-up time.

System Action: CICS abnormally terminates with system dump SR0603 and an exception trace entry giving the kernel error data for the program check.

User Response: Initially, check that the specification of SRT=NO is correct. If it is incorrect, change it as described in the *CICS System Definition Guide*.

For advice on problem determination, refer to the *CICS Problem Determination Guide*.

Destination: Console

Module: DFHSRP

XMEOUT Parameter: *applid*

DFHSR0605 *applid* **Error from KE Domain - DFHSRP initialization**

Explanation: Module DFHSRP has detected a severe error during the initialization phase of CICS. It is unlikely that any recovery functions can run until the error is found and corrected.

System Action: CICS abnormally terminates with system dump SR0605.

User Response: Use the dump to determine, if possible, the cause of the problem and what must be done to correct it.

For advice on problem determination, refer to the *CICS Problem Determination Guide*

Destination: Console

Module: DFHSRP

XMEOUT Parameter: *applid*

DFHSR0606 *applid* **Abend (code** *aaa/bbbb***) has been detected.**

Explanation: DFHSRP has detected an abnormal termination which CICS is not able to handle fully (for example, the abend code cannot be found in the SRT). In this instance it is the CICS system and not merely a transaction, that has abnormally terminated.

The code *aaa* is a three digit hexadecimal MVS system completion code (for example, 0C1 or D37). If an MVS code is not applicable, this field is filled with three hyphens. The four digit code *bbbb*, which follows *aaa*, is a user abend code produced either by CICS or by another product on the user's system.

System Action: CICS abnormally terminates. A system dump (dumpcode SR0606) can be taken with this message depending on the abend code. An exception trace entry is produced giving the kernel error data for the abend.

User Response: Use the dump to determine the abnormal termination, and to investigate its cause.

Destination: Console

Module: DFHSRP

XMEOUT Parameters: *applid, aaa/bbbb*

DFHSR0612 *applid* **Abend recovery has been entered by same task**

Explanation: An operating system abnormal termination occurred. CICS started to abend the task with abend code ASRB when another operating system abnormal termination occurred. As this is a potentially recursive situation, DFHSRP terminates CICS.

System Action: CICS abnormally terminates with system dump SR0612 and exception trace entries giving the kernel error data for each operating system abend.

User Response: The most likely cause of the second operating system abend is an error in a global user exit program running at the XSRAB exit. This is the global user exit that can be invoked when an abend code is found in the SRT. If such a program was running, determine the cause of the second abend and take steps to prevent a recurrence.

Note that this message will also be issued if a global user exit program running at the XSRAB exit gets into a loop (runaway), or issues an unknown XPI call (kernerror). The second exception trace entry should help to diagnose this.

For advice on problem determination, see the *CICS Problem Determination Guide*.

Destination: Console

Module: DFHSRP

XMEOUT Parameter: *applid*

DFHSR0613 *applid* **Abend has occurred with system task** *taskid* **in control**

Explanation: An operating system abnormal termination has been detected in a system task. *taskid* is the system task identifier (for example, TCP, III) as set in field TCAKCTTA.

System Action: CICS abnormally terminates with system dump SR0613 and an exception trace entry giving the kernel error data for the operating system abend.

User Response: Use the dump to determine the cause of the abend, and take action to correct it.

For advice on problem determination, see the *CICS Problem Determination Guide*.

Destination: Console

Module: DFHSRP

XMEOUT Parameters: *applid, taskid*

DFHSR0615 *applid* **Program interrupt has occurred in recovery task**

Explanation: An operating system abnormal termination occurred. CICS started to abend the task with an abend code of ASRB when a program check occurred. DFHSRP terminates CICS.

System Action: CICS abnormally terminates with system dump SR0615 and exception trace entries giving the kernel error data for the operating system abend and the program check.

User Response: The most likely cause of the program check is an error in a global user exit program running at the XSRAB exit. This is the global user exit that can be invoked when an abend code is found in the SRT. If such a program was running, determine the cause of the program check and correct it.

For advice on problem determination, refer to the *CICS Problem Determination Guide*.

Destination: Console

Module: DFHSRP

XMEOUT Parameter: *applid*

DFHSR0618 *applid* **An illegal macro call or reference to the CSA or TCA has caused the abend which follows**

Explanation: A user program was executing which either contains an assembler macro which is no longer supported, or refers illegally to the CICS TCA or CSA. This error appears as an 0C4 program check.

System Action: Either The transaction abends with abend code ASRD. This message is followed by message DFHAP0001 or DFHSR0001 which gives the name of the program in error and the offset into that program at which the error occurred.

Or This is a critical error and CICS is terminated. This message is followed by a DFHSR06xx message giving the reason for the termination.

User Response: Review the program and correct the error.

If the error is in the module DFHUEHC, ensure that UEPCSA and UEPTCA are not being used because these reference fetch-protected storage.

For advice on problem determination, refer to the *CICS Problem Determination Guide*.

Destination: Console

Module: DFHSRP

XMEOUT Parameter: *applid*

DFHSR0619 *date time applid* **An illegal reference to the RCT has caused the abend which follows.**

Explanation: A user program was executing and referred illegally to the RCT. This error appears as an 0C4 program check.

System Action:

The transaction abends with abend code ASRE. This message is followed by message DFHAP0001 or DFHSR0001 which gives the name of the program in error and the offset into that program at which the error occurred.

User Response: Review the program and correct the error by using the CICS supplied SPI commands to retrieve data from the RCT.

For advice on problem determination, refer to the *CICS Problem Determination Guide*.

Destination: Console and Transient Data Queue CDB2

Module: DFHSRP

XMEOUT Parameters: *date, time, applid*

DFHSR0622 *applid* **An attempt to** *{overwrite | access}* **the** *dsaname* **has caused the abend which follows**

Explanation: An 0C4 program interrupt (protection exception) has occurred. CICS has diagnosed the cause of the 0C4 as an attempt to either *access* or *overwrite* storage in DSA *dsaname*. The DSA is one of CDSA, RDSA, UDSA, ECDSA, ERDSA or EUDSA for *overwrite*, or either UDSA or EUDSA for *access*.

If *dsaname* is CDSA or ECDSA:

CICS is running with storage protection active. Both the CDSA and the ECDSA therefore contain CICS key storage. They are write protected from user programs executing in User key. The most likely causes of the 0C4 are:

- A program executing in CICS key passed the address of CICS key storage in the CDSA or ECDSA to a user program executing in User key and this user program attempted to write to this storage.
- A user program executing in User key contains an error and accidentally attempted to write to CICS key storage in the CDSA or ECDSA.
- A user program executing in User key deliberately attempted to write to CICS key storage in the CDSA or ECDSA.

If *dsaname* is ERDSA or RDSA:

CICS may be running with or without storage protection active. The ERDSA or RDSA contains only reentrant CICS and user programs. If RENTPGM=PROTECT was specified as a system initialization parameter, the ERDSA or RDSA is write protected from programs executing in both CICS key and User key. If RENTPGM=NOPROTECT, the ERDSA or RDSA is only protected from user programs executing in User key. The most likely causes of the 0C4 are:

- A user program residing in the ERDSA or RDSA has attempted to modify its own storage, (that is, the program is not reentrant).
- A user program contains an error and accidentally attempted to overwrite program storage in the ERDSA or RDSA.

If *dsaname* is EUDSA or UDSA:

CICS is running with both storage protection and transaction isolation active. The EUDSA and UDSA contain only USER key non-shared storage. The most likely causes of the 0C4 are:

- If the action is *overwrite*, a program has attempted to modify the non-shared storage belonging to another transaction.
- If the action is *access*, a program has attempted to either read storage or execute an instruction within another transaction's non-shared storage.

System Action: Either, the transaction abends with abend code ASRA. This message is followed by message DFHAP0001 or DFHSR0001 which gives the name of the program in error and the offset into that program at which the error occurred. Additionally, an exception trace entry is taken which gives program, offset, execution key and the DSA in question.

Or, this is a critical error and CICS is terminated. This message is followed by a DFHSR06xx message giving the reason for the termination.

User Response: Depending on the cause and *dsaname*, do one of the following:

- Correct any error in the program.
- Redefine transactions with ISOLATE(NO) where they have to share storage.
- Change the program resource definition so that it executes in CICS key (and the basespace).
- Ensure that the program is not loaded into the ERDSA by not link-editing it with the RENT option.

Destination: Console

Module: DFHSRP

XMEOUT Parameters: *applid, {1=overwrite, 2=access}, dsaname*

DFHSTxxxx messages

DFHST0001 *applid* **An abend (code** *aaa/bbbb***) has occurred at offset** *X'offset'* **in module** *modname***.**

Explanation: An abnormal end (abend) or program check has occurred in module *modname*. This implies that there may be an error in CICS code.

Alternatively, unexpected data has been input, or storage has been overwritten.

Note: There is NO *applid* for DFHSTUP modules.

The code *aaa/bbbb* is a 3-digit hexadecimal MVS code (if applicable), followed by a 4-digit alphanumeric CICS code. The MVS code is a system completion code (for example, 0C1 or D37). If an MVS code is not applicable, this field is filled with three hyphens. The CICS code is an abend code or a number referring to a CICS message (for example, AKEA is a CICS abend code; 1310 refers to message DFHTS1310).

System Action: An exception entry is made in the trace table.

For modules DFHSTST and DFHSTTI, a dump is taken and the collection interval is set to 24 hours. Message DFHST0101 is also issued.

For module DFHSTDM, the action depends on the initialization error action value which is used by the domain (DM) manager. The usual action is to terminate CICS with a dump.

For module DFHSTUE, processing continues.

For modules DFHSTWR, DFHSTRD, and DFHSTU*x* (modules within DFHSTUP), the job step is terminated with a dump.

For ALL modules, a system dump is taken, unless you have specifically suppressed dumps in the dump table.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: If CICS is still running, it is necessary to decide whether to terminate CICS.

Look up the MVS code, if there is one, in the *OS/390 MVS System Codes* manual. Then look up the CICS alphanumeric code in this manual. This tells you, for example, whether the error was a program check, an abend, a runaway or a recovery percolation, and may give you some guidance concerning user response.

If module *modname* is not crucial to the running of your CICS system, you may decide to continue to run and bring CICS down at a convenient time to resolve the problem.

If you cannot run without the full use of module *modname*, you should bring CICS down in a controlled shutdown.

You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Modules: DFHSTST, DFHSTDM, DFHSTTI, DFHSTUE, DFHSTUx (Modules within DFHSTUP), DFHSTWR, DFHSTRD

XMEOUT Parameters: *applid, aaa/bbbb, X'offset', modname*

DFHST0002 *applid* **A severe error (code** *X'code'***) has occurred in module** *modname***.**

Explanation: An error has been detected in module *modname*. The code X'*code*' is the exception trace point id which uniquely identifies what the error is and where the error was detected.

System Action: An exception entry (code X'*code*' in the message) is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS will continue unless you have specified in the dump table that CICS should terminate.
If appropriate, an error return code is sent to the caller of this domain. In this case, CICS could be terminated by the caller (for example, the domain manager, DFHDMDM). A message is issued to this effect.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Inform the system programmer. This indicates a possible error in CICS code. The severity of its impact will depend on the importance of the function being executed at the time of the error.

For further information about CICS exception trace entries, refer to the *CICS Problem Determination Guide*.

CICS may not have been terminated. If the message occurs once and module *modname* is not crucial to the running of your CICS system, you may decide to continue to run and bring CICS down at a convenient time to resolve the problem.

If the message recurs or if you cannot run without the full use of module *modname*, you should bring CICS down in a controlled shutdown.

You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Modules: DFHSTST, DFHSTDM, DFHSTTI, DFHSTUE

XMEOUT Parameters: *applid, X'code', modname*

DFHST0003 *applid* **Insufficient storage to satisfy GETMAIN (code** *X'code'***) in module** *modname***.**

Explanation: A CICS GETMAIN was issued by module *modname*, but there was insufficient storage available to satisfy the request.
The code X'*code*' is the exception trace point id which uniquely identifies the place where the error was detected.
This error has occurred above the 16MB line.

System Action: An exception entry is made in the trace table

(code X'*code*' in the message). A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS continues unless you have specified in the dump table that CICS should terminate.

If appropriate, an error return code is sent to the caller of this domain. In this case, CICS could be terminated by the caller (for example, the domain manager, DFHDMDM). A message is issued to this effect.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Inform the system programmer. If CICS has been terminated by another module, look out for the relevant termination messages (from, for example, the domain manager), and look up the user response suggested for these messages.

If CICS is still running, the problem may be a temporary one which will right itself if more storage becomes available. If you can manage without module *modname*, you may decide to continue and bring CICS down at a convenient time to resolve the problem. If the message recurs or if you cannot run without the full use of all CICS modules, you should bring CICS down in a controlled shutdown.

Try increasing the size limits of the DSAs or EDSAs. If CICS is not already terminated, you need to bring CICS down to do this. See the *CICS System Definition Guide* or the *CICS Performance Guide* for further information on CICS storage.

Destination: Console

Module: DFHSTDM

XMEOUT Parameters: *applid, X'code', modname*

DFHST0004 *applid* **A possible loop has been detected at offset** *X'offset'* **in module** *modname***.**

Explanation: A CICS function is taking more time to process than CICS expects. A possible loop has been detected in module *modname* at offset X'*offset*'. This is the offset of the instruction which was executing at the time the error was detected.

Note that no *applid* is included for DFHSTUP modules.

System Action: An exception entry is made in the trace table.

For modules DFHSTST and DFHSTTI, a system dump is taken and the collection interval is set to 24 hours. Message DFHST0101 will also be issued.

For module DFHSTDM, the action depends on the initialization error action value which is used by the domain (DM) manager. The usual action will be to terminate CICS with a dump.

For module DFHSTUE, processing continues.

For modules DFHSTWR, DFHSTRD, and DFHSTU*x* (modules within DFHSTUP), the job step is terminated with a dump.

For ALL modules, a system dump is taken, unless you have specifically suppressed dumps in the dump table.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Notify the system programmer. If CICS has not been terminated, it is necessary to decide whether the problem is serious enough to bring CICS down.

Since some CICS functions can use a lot of CPU time, this message may have been caused by a long-running function. So there may not be an error here. Usually, CICS purges a CICS function which exceeds the runaway task time interval which you have specified in the SIT (this is the ICVR which is measured in milliseconds). This means that module *modname* is terminated and CICS continues.

But if you have declared ICVR=0 in the SIT and you consider that module *modname* has gone into a loop, you will have to terminate CICS in order to terminate the runaway function.

If CICS has terminated module *modname*, and you consider that it was not a runaway, you should increase the ICVR time interval in the SIT. You have to bring CICS down at a suitable time to do this permanently. But you can change the ICVR time interval temporarily online, using the CEMT transaction.

If raising the ICVR time does not solve the problem, you will need further assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Modules: DFHSTST, DFHSTDM, DFHSTTI, DFHSTUE, DFHSTUx (Modules within DFHSTUP), DFHSTWR, DFHSTRD

XMEOUT Parameters: *applid, X'offset', modname*

DFHST0005 *applid* **A hardware error has occurred (module** *modname***, code** *X'code'***). The Time-of-Day clock is invalid.**

Explanation: Execution of the STCK machine instruction resulted in a non-zero condition code.

System Action: A system dump is taken and interval collections are cancelled. Message DFHST0102 is also issued.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Notify the system programmer. This is in all probability a hardware error and you should in the first instance investigate the MVS Store Clock and find out whether it is working properly. If this is the cause, you should take the appropriate action to have it repaired or replaced.

In the unlikely event that this is not a hardware problem, you will need further assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Modules: DFHSTST, DFHSTDM

XMEOUT Parameters: *applid, modname, X'code'*

DFHST0101I *applid* **The Statistics Domain has set the collection interval to 24 hours.**

Explanation: A problem has been detected by, or has been passed back to, the statistics (ST) domain. As a result, the collection interval has been set to the maximum value. The end-of-day collection time is unchanged.

A message explaining the problem has already been issued by the module in error.

System Action: Other processing continues.

User Response: Refer to the associated message for guidance on resolving the original problem.

Use CEMT SET STATISTICS to reset the interval when the problem has been resolved.

Destination: Console

Modules: DFHSTST, DFHSTDM, DFHSTTI

XMEOUT Parameter: *applid*

DFHST0102I *applid* **The Statistics Domain has cancelled interval collections.**

Explanation: A problem has been detected by, or has been passed back to, the statistics (ST) domain. A message explaining the problem may have already been issued by the module in error.

To reduce the occurrence of this problem, the interval collections have been cancelled. The end-of-day collection time is unchanged.

System Action: Other processing continues.

User Response: Refer to any associated message for guidance on resolving the original problem.

If no associated message has been issued, you will need further assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Modules: DFHSTST, DFHSTDM, DFHSTTI

XMEOUT Parameter: *applid*

DFHST0103 *applid* **An SMF error has occurred with return code** *X'rc'***.**

Explanation: SMF has returned to the statistics (ST) domain with an error return code X'*rc*' from the SMFEWTM macro.

System Action: Other CICS processing continues.

User Response: Refer to the *OS/390 MVS System Management Facility (SMF)* manual for a detailed explanation of the meaning of the return code.

Destination: Console

Module: DFHSTST

XMEOUT Parameters: *applid, X'rc'*

DFHST0201 S An attempt to open the statistics data set has failed.

Explanation: DFHSTUP has tried to open the unloaded SMF data set but has failed.

System Action: A dump is taken and the job step is terminated.

User Response: Ensure that the JCL for the job is correct. A sample set of JCL to execute the DFHSTUP utility is contained in the *CICS Operations and Utilities Guide*.

If incorrect JCL is not the cause of the problem, you will need further assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: SYSPRINT

Module: DFHSTRD

DFHST0202 S A read error on the statistics data set has occurred

Explanation: A read error was encountered on the unloaded SMF data set.

System Action: A dump is taken and the job step is terminated.

User Response: Inform the system programmer. First check that the JCL for the job is correct. A sample set of JCL to execute the DFHSTUP utility is contained in the *CICS Operations and Utilities Guide*. Resubmit the job.

Destination: SYSPRINT

Module: DFHSTRD

DFHST0203 W The statistics data set is empty.

Explanation: An end-of-file condition was detected during the first attempt to read the unloaded SMF data set, or the unloaded SMF dataset contained no CICS statistics from any CICS system.

System Action: The job step is terminated.

User Response: The most likely cause is an error in the JCL which unloads the SMF dataset. First check that the JCL is correct. A sample set of JCL to unload the SMF dataset is contained in the *CICS Operations and Utilities Guide*. Also check that you have unloaded the correct SMF dataset. Resubmit the job.

Destination: SYSPRINT

Module: DFHSTIN

DFHST0204 S Invalid record id *recid* **encountered on the statistics data set.**

Explanation: An invalid record identifier *recid* has been encountered in the unloaded SMF data set.

System Action: A dump is taken and the job step is terminated.

User Response: Check that the unloaded SMF data set contains statistics records. CICS statistics records are of SMF record type 110, sub-type 2. For further information, see the *CICS Data Areas*.

If the SMF data set does contain statistics records, the most likely cause of the problem is a corrupted SMF dataset. Unload the SMF dataset again and rerun the DFHSTUP utility. If the problem persists, you will need further assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: SYSPRINT

Modules: DFHSTU*x* (modules within DFHSTUP)

DFHST0206 S An invalid parameter (*parameter***) has been specified for the DFHSTUP utility.**

Explanation: One or more of the parameters specified in the SYSIN data set were incorrect.

System Action: The job step is terminated.

User Response: Correct the erroneous parameter as identified in the message and resubmit the job.

Destination: SYSPRINT

Module: DFHSTUP1

DFHST0207 W An incomplete data record has been encountered on the statistics data set.

Explanation: A record input from the unloaded SMF data set specifies that the data it contains is incomplete.

System Action: Processing continues.

User Response: For an incomplete data record to have been encountered, there must have been an error in the running of CICS. This should result in an exception trace and perhaps a dump being issued.

You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: SYSPRINT

Modules: DFHSTUx (modules within DFHSTUP)

DFHST0208 S An attempt to open the SYSIN data set has failed.

Explanation: DFHSTUP has tried to open the SYSIN data set but has failed.

System Action: A dump is taken and the job step is terminated.

User Response: Ensure that the JCL for the job is correct. A sample set of JCL to execute the DFHSTUP utility is contained in the *CICS Operations and Utilities Guide*.

If incorrect JCL is not the cause of the problem, you will need further assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: SYSPRINT

Module: DFHSTRD

DFHST0209 S A read error on the SYSIN data set has occurred.

Explanation: A read error was encountered on the SYSIN data set.

System Action: A dump is taken and the job step is terminated.

User Response: Inform the system programmer.

To resolve the problem, collect the dumps and any relevant messages and determine why the read failed. Resubmit the job.

Destination: SYSPRINT

Module: DFHSTRD

DFHST0210 I No statistics are available for applid ***applid*****.**

Explanation: No statistics data records exist for applid *applid* in the unloaded SMF data set. This is because

- Applid *applid* is unknown, or
- You have unloaded the wrong SMF data set, or
- You have specified a COLLECTION TYPE= parameter for which applid *applid* has no statistics, or
- No CICS statistics records were written for applid *applid*.

System Action: The job step continues.

User Response: Check that you have specified the correct applid. If necessary, respecify the correct applid.
Check that you have unloaded the correct SMF data set. If necessary, unload the correct SMF data set.
If you have specified the correct applid and unloaded the correct SMF data set, then there are no statistics data records for applid *applid*.

Destination: SYSPRINT

Module: DFHSTUP1

DFHST0211 S Processing terminated. Getmain failed with a short on storage condition.

Explanation: The DFHSTUP utility detected an error from a GETMAIN macro while obtaining working storage. This was because DFHSTUP had exhausted the available storage.

System Action: A dump is taken and the job step terminates.

User Response: Check that you have specified the correct REGION size on the EXEC JCL command used to execute the DFHSTUP utility. A sample set of JCL to execute the DFHSTUP utility is contained in the *CICS Operations and Utilities Guide*.

If you have specified the correct REGION size, you will need further assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: SYSPRINT

Module: All DFHSTUP modules

DFHST0212 S Processing terminated. DFSORT message dataset (DD=SYSOUT) is missing.

Explanation: The dataset used by the DFSORT utility to output its messages is missing.

System Action: A dump is taken and the job step is terminated.

User Response: Check the JCL used to execute the DFHSTUP utility to ensure that the SYSOUT DD was correctly specified. A sample set of JCL to execute the DFHSTUP utility is contained in the *CICS Operations and Utilities Guide*.

If you have specified the correct SYSOUT DD statement, you will need further assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: SYSPRINT

Module: DFHSTUP1

DFHST0213 S Processing terminated. Error detected by DFSORT. Check DFSORT messages.

Explanation: An error was detected by the DFSORT utility and the DFHSTUP utility terminated.

System Action: A dump is taken and the job step is terminated.

User Response: The user must inspect the DFSORT message dataset and search for messages indicating the reason for the failure of the DFSORT utility. A detailed explanation of the messages produced by DFSORT can be found in the *DFSORT Application Programming Guide* (SC33-4035).

After analyzing the DFSORT error message, take the appropriate corrective actions and resubmit the job.

Destination: SYSPRINT

Module: DFHSTUP1

DFHST0214 S Processing terminated. Failure to obtain system time and date.

Explanation: The DFHSTUP utility was unable to obtain the system time and date from the CICS kernel.

System Action: A dump is taken and the job step is terminated.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: SYSPRINT

Module: DFHSTUP1

DFHST0216 W An incompatible statistics record version number ***version*****, was detected by module** ***module*****.**

Explanation: The statistics utility program has detected that a statistics record has a version number which is incompatible with the version number expected by the DFHSTUP utility.

System Action: The statistics record containing the invalid version number is ignored. Statistics records immediately following which are of the same type and which also contain an invalid version number are also ignored. Processing continues.

User Response: Obtain a dump of the SMF data set. You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: SYSPRINT

Module: All DFHSTUP modules.

DFHST0217 S An attempt to open the DFHSTWRK data set has failed.

Explanation: The statistics utility program has detected an error while attempting to open the DFHSTWRK data set during non-summary statistics processing.

System Action: The statistics utility program ends abnormally.

User Response: Ensure that the DFHSTWRK data set has been specified on the job, and that the attributes of the data set are correct.

Destination: SYSPRINT

Module: DFHSTU17

DFHST0218 S A write error has occurred on the DFHSTWRK data set.

Explanation: The statistics utility program has detected an error while attempting to write to the DFHSTWRK data set during non-summary statistics processing.

System Action: The statistics utility program ends abnormally.

User Response: Ensure that the DFHSTWRK data set has been specified on the job, that the attributes of the data set are correct, and that the data set is large enough.

Destination: SYSPRINT

Module: DFHSTU17

DFHST0219 S A read error has occurred on the DFHSTWRK data set.

Explanation: The statistics utility program has detected an error while attempting to read from the DFHSTWRK data set during non-summary statistics processing.

System Action: The statistics utility program ends abnormally.

User Response: Check that the DFHSTWRK data set has been specified on the job, that the attributes of the data set are correct, and that the data set is large enough.

Destination: SYSPRINT

Module: DFHSTU17

DFHST0220 S An attempt to open the DFHSTWRK data set has failed.

Explanation: The statistics utility program has detected an error while attempting to open the DFHSTWRK data set while processing summary statistics.

System Action: The statistics utility program ends abnormally.

User Response: Check that the DFHSTWRK data set has been specified on the job, and that the attributes of the data set are correct.

Destination: SYSPRINT

Module: DFHST17X

DFHST0221 S A write error has occurred on the DFHSTWRK data set.

Explanation: The statistics utility program has detected an error while attempting to write to the DFHSTWRK data set during summary statistics processing.

System Action: The statistics utility program ends abnormally.

User Response: Check that the DFHSTWRK data set has been specified on the job, that the attributes of the data set are correct, and that the data set is large enough.

Destination: SYSPRINT

Module: DFHST17X

DFHST0222 S A read error has occurred on the DFHSTWRK data set.

Explanation: The statistics utility program has detected an error while attempting to read from the DFHSTWRK data set during summary statistics processing.

System Action: The statistics utility program ends abnormally.

User Response: Check that the DFHSTWRK data set has been specified on the job, that the attributes of the data set are correct, and that the data set is large enough.

Destination: SYSPRINT

Module: DFHST17X

DFHST0223 I There are no data table statistics to report.

Explanation: The file subsection of the DFHSTUP report entitled 'Data Table Requests Information' only contains formatted information if the data currently being processed contains statistics records for files accessed as data tables. This message is written to the DFHSTUP report, when the utility program detects that there are no data table statistics in this section of the statistics report.

System Action: Processing continues normally.

User Response: Take no action unless you expect data table statistics in the DFHSTUP report. In this case, ensure that the data tables feature is in use during the time period covered by the statistics being processed.

Destination: SYSPRINT

Modules: DFHSTU17, DFHST17X

DFHST0224 I There are no intrapartition queues to report.

Explanation: The transient data subsection of the DFHSTUP report entitled 'Transient Data - Intrapartition' contains no data.

System Action: Processing continues normally.

User Response: Take no action unless you expect TD intrapartition statistics in the DFHSTUP report.

Destination: SYSPRINT

Modules: DFHSTUTQ, DFHSTTQX

DFHST0225 I There are no extrapartition queues to report.

Explanation: The transient data subsection of the DFHSTUP report entitled 'Transient Data - Extrapartition' contains no data.

System Action: Processing continues normally.

User Response: Take no action unless you expect TD extrapartition statistics in the DFHSTUP report.

Destination: SYSPRINT

Modules: DFHSTUTQ, DFHSTTQX

DFHST0226 I There are no indirect queues to report.

Explanation: The transient data subsection of the DFHSTUP report entitled 'Transient Data - Indirect' contains no data.

System Action: Processing continues normally.

User Response: Take no action unless you expect TD indirect statistics in the DFHSTUP report.

Destination: SYSPRINT

Modules: DFHSTUTQ, DFHSTTQX

DFHST0227 I There are no remote queues to report.

Explanation: The transient data subsection of the DFHSTUP report entitled 'Transient Data - Remote' contains no data.

System Action: Processing continues normally.

User Response: Take no action unless you expect TD remote statistics in the DFHSTUP report.

Destination: SYSPRINT

Modules: DFHSTUTQ, DFHSTTQX

DFHSZxxxx (FEPI) messages

DFHSZ4001 I *date time applid* **FEPI initialization has started.**

Explanation: The Front End Programming Interface (FEPI) is being initialized.

This means the CSZI transaction – FEPI – has started its processing. CSZI is started as part of CICS system initialization, if the system initialization parameter FEPI is set to YES.

If you specified FEPI=YES and this message does not appear during CICS initialization, CSZI failed to start; the most common reason for this is that group DFHFEPI is not included in the list specified by the GRPLIST system initialization parameter.

If message DFHSZ4001 is not followed by message DFHSZ4002, FEPI failed to start. In this case, a DFHSZnnnn message is issued to indicate the error.

System Action: FEPI initialization proceeds.

User Response: None.

Destination: Console and Transient Data Queue CSZL

Module: DFHSZRMP(DFHSZSIP)

XMEOUT Parameters: *date, time, applid*

DFHSZ4002 I *date time applid* **FEPI initialization has ended.**

Explanation: The Front End Programming Interface (FEPI) has finished initialization.

System Action: EXEC CICS FEPI commands are made available.

User Response: None.

Destination: Console and Transient Data Queue CSZL

Module: DFHSZRMP(DFHSZSIP)

XMEOUT Parameters: *date, time, applid*

DFHSZ4003 I *date time applid* **FEPI termination complete.**

Explanation: The Front End Programming Interface (FEPI) has ended.

A DFHSZnnnn message may precede message DFHSZ4003 to indicate what caused FEPI to terminate.

System Action: EXEC CICS FEPI commands are made unavailable.

User Response: Resolve the problem indicated by the messages, then restart CICS.

Destination: Console and Transient Data Queue CSZL

Module: DFHSZRMP(DFHSZSIP)

XMEOUT Parameters: *date, time, applid*

DFHSZ4004 E *date time applid* **FEPI cannot be started: FEPI=YES not specified in the SIT.**

Explanation: The Front End Programming Interface (FEPI) cannot be started because the FEPI system initialization parameter was set to NO indicating that FEPI is not required.

This message usually means that you attempted to start the FEPI transaction (CSZI) manually, but did not set up the correct environment for it to run.

System Action: The FEPI transaction is not run.

User Response: If you require FEPI in the CICS system, restart CICS specifying the system initialization parameter FEPI=YES. You do not need to start the FEPI transaction manually.

Destination: Console and Transient Data Queue CSZL

Module: DFHSZRMP(DFHSZSIP)

XMEOUT Parameters: *date, time, applid*

DFHSZ4005 E *date time applid* **FEPI cannot be started: FEPI is already active, in state** *X'ssssssss'***.**

Explanation: The Front End Programming Interface (FEPI) cannot be started because FEPI is already active in the system.

This message usually means that you attempted to start a new instance of FEPI manually by running the FEPI transaction (CSZI), but the previous instance of FEPI failed in some way that caused an 'active' indication to be left in error.

The possible FEPI states (X'ssssssss') are:

State	Meaning
X'00000002'	FEPI is being initialized
X'00000003'	FEPI is active
X'00000004'	FEPI is terminating as CICS is undergoing a normal shutdown

X'00000005'	FEPI is terminating as CICS is undergoing an immediate shutdown
X'00000006'	FEPI is terminating as CICS is undergoing an abnormal shutdown

System Action: The request to start a new instance of FEPI is rejected.

User Response: If the state suggests that a previous instance of FEPI failed, you must restart CICS to resolve the problem. You do not need to start the FEPI transaction manually.

Destination: Console and Transient Data Queue CSZL

Module: DFHSZRMP(DFHSZSIP)

XMEOUT Parameters: *date, time, applid, X'ssssssss'*

DFHSZ4006 E *date time applid* **FEPI initialization failed: enqueue failure, code** *X'rr'***.**

Explanation: The Front End Programming Interface (FEPI) cannot be initialized because an attempt to enqueue on the FEPI enqueue name SZENQRMI failed, indicating that FEPI is already active in the system. FEPI initialization issues this enqueue to prevent a second instance of FEPI being present in the system.

This message usually means that you attempted to start the FEPI transaction (CSZI) manually, but there is a previous instance of CSZI still running.

The possible values of X'*rr*', the reason for failure, are:

Code	Meaning
X'31'	Duplicate enqueue on SZENQRMI attempted.
X'32'	Failure during enqueue processing.

System Action: The request to start a second instance of FEPI is rejected.

User Response: None.

Destination: Console and Transient Data Queue CSZL

Module: DFHSZRMP(DFHSZSIP)

XMEOUT Parameters: *date, time, applid, X'rr'*

DFHSZ4007 E *date time applid* **FEPI initialization failed: storage ADD_SUBPOOL failure for subpool** *pppppppp***, reason** *X'rr'* **response** *X'ee'***.**

Explanation: The Front End Programming Interface (FEPI) cannot be initialized because creating the named storage subpool for FEPI use failed.

The values of X'*rr*', the reason for failure, are:

Reason	Meaning
X'01'	Insufficient storage available for the subpool
X'03'	Subpool requested with an invalid fixed length
X'04'	Subpool requested with an invalid boundary alignment
X'05'	Subpool requested with an invalid initial number of elements
X'06'	Subpool requested with an invalid name
X'08'	Subpool requested already exists
X'11'	Access to the Storage Manager was denied

The values of X'*ee*', the response to the failed request, are:

Response	Meaning
X'01'	Request completed successfully
X'02'	Exception response generated
X'03'	Disaster response generated
X'04'	Invalid response generated
X'05'	A kernel error was detected
X'06'	The request was purged

System Action: FEPI initialization ends, and EXEC CICS FEPI commands are unavailable. An exception trace entry is generated.

User Response: The only action you can take is when there is insufficient storage, in which case you can increase the storage available to CICS on restart.

All other errors are system failures, and you should consult the system programmer. You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: Console and Transient Data Queue CSZL

Module: DFHSZRMP(DFHSZSIP)

XMEOUT Parameters: *date, time, applid, pppppppp, X'rr', X'ee'*

DFHSZ4008 E *date time applid* **FEPI initialization failed: Non-runaway task setting failure, reason** *X'rr'* **response** *X'ee'***.**

Explanation: The Front End Programming Interface (FEPI) cannot be initialized. Because FEPI is a long-running transaction (CSZI), it must not be subject to a runaway task time out. The request to prevent this failed.

The value of X'*rr*', the reason for failure, is always X'00'.

The values of X'*ee*', the response to the failed request, are:

Response	Meaning
X'01'	Request completed successfully
X'02'	Exception response generated
X'03'	Disaster response generated
X'04'	Invalid response generated

System Action: FEPI initialization ends, and EXEC CICS FEPI commands are made unavailable. An exception trace entry is generated.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: Console and Transient Data Queue CSZL

Module: DFHSZRMP(DFHSZSIP)

XMEOUT Parameters: *date, time, applid, X'rr', X'ee'*

DFHSZ4009 E *date time applid* **FEPI initialization failed: change-priority failure, response** *X'ee'***.**

Explanation: The Front End Programming Interface (FEPI) cannot be initialized because changing the dispatching priority of the FEPI transaction (CSZI) failed.

Because FEPI runs as a transaction, a high priority is required. The request to set this dispatching priority failed.

The values of X'*ee*', the response to the failed request, are:

Response	Meaning
X'01'	Request completed successfully
X'03'	Disaster response generated
X'04'	Invalid response generated

X'05' A Kernel error was detected

System Action: FEPI initialization ends, and EXEC CICS FEPI commands are made unavailable. An exception trace entry is generated.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: Console and Transient Data Queue CSZL

Module: DFHSZRMP(DFHSZSIP)

XMEOUT Parameters: *date, time, applid, X'ee'*

DFHSZ4010 E *date time applid* **FEPI initialization failed: SZ TCB swap failure, response** *X'ee'***.**

Explanation: The Front End Programming Interface (FEPI) usually runs under the CICS SZ TCB. Transferring the FEPI transaction (CSZI) from running under the QR TCB to the SZ TCB failed.

The values of X'*ee*', the response to the failed request, are:

Response	Meaning
X'01'	Request completed successfully
X'02'	Exception response generated
X'03'	Disaster response generated
X'04'	Invalid response generated
X'05'	A kernel error was detected

System Action: FEPI initialization ends, and EXEC CICS FEPI commands are made unavailable. An exception trace entry is generated.

User Response: The SZ TCB is created as part of the early CICS initialization and you should examine the console log to see if any messages were generated indicating a TCB creation failure.

You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: Console and Transient Data Queue CSZL

Module: DFHSZRMP(DFHSZSIP)

XMEOUT Parameters: *date, time, applid, X'ee'*

DFHSZ4011 E *date time applid* **FEPI storage GETMAIN failed in subpool NB, reason** *X'rr'* **response** *X'ee'***.**

Explanation: The Front End Programming Interface (FEPI) issued a GETMAIN storage request in the SZSPFCNB storage subpool for NIB usage which failed.

The values of X'*rr*', the reason for failure, are:

Reason	Meaning
X'01'	Insufficient storage for the request
X'02'	Invalid subpool token given
X'04'	Invalid length of element requested
X'05'	Length of element not specified
X'08'	Access was denied to the storage subpool
X'11'	Invalid initial image supplied
X'12'	An abnormal end occurred in the storage manager
X'13'	A loop was detected in the storage manager

The values of X'*ee*', the response to the failed request, are:

Response	Meaning
X'01'	Request completed successfully.
X'02'	Exception response generated.
X'03'	Disaster response generated.
X'04'	Invalid response generated.
X'05'	A Kernel error was detected.
X'06'	The request was purged.

All these responses indicate that a system error has occurred.

System Action: An exception trace entry is generated.

FEPI tries to recover from this error by retrying the request. However, no action is taken to prevent multiple occurrences.

User Response: If this message occurs frequently, you should take a dump of the CICS system before restarting it. You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: Console and Transient Data Queue CSZL

Module: DFHSZRMP(DFHSZZNG)

XMEOUT Parameters: *date, time, applid, X'rr', X'ee'*

DFHSZ4012 E *date time applid* **FEPI storage GETMAIN failed in subpool DA, reason** *X'rr'* **response** *X'ee'***.**

Explanation: The Front End Programming Interface (FEPI) issued a GETMAIN storage request in the SZSPVCDA storage subpool for general usage which failed.

The values of X'*rr*', the reason for failure, are:

Reason	Meaning
X'01'	Insufficient storage for the request.
X'02'	Invalid subpool token given.
X'04'	Invalid length of element requested.
X'05'	Length of element not specified.
X'08'	Access was denied to the storage subpool.
X'11'	Invalid initial image supplied.
X'12'	An abnormal end occurred in the storage manager.
X'13'	A loop was detected in the storage manager.

The values of X'*ee*', the response to the failed request, are:

Response	Meaning
X'01'	Request completed successfully.
X'02'	Exception response generated.
X'03'	Disaster response generated.
X'04'	Invalid response generated.
X'05'	A kernel error was detected.
X'06'	The request was purged.

All of these responses indicate that a system error occurred.

System Action: An exception trace entry is generated.

FEPI tries to recover from this error by retrying the request. However, no action is taken to prevent multiple occurrences.

User Response: If this message occurs frequently, you should take a dump of the CICS system before restarting it.

You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: Console and Transient Data Queue CSZL

Module: DFHSZRMP(DFHSZZAG)

XMEOUT Parameters: *date, time, applid, X'rr', X'ee'*

DFHSZ4013 E *date time applid* **FEPI storage GETMAIN failed in subpool RP, reason** *X'rr'* **response** *X'ee'***.**

Explanation: The Front End Programming Interface (FEPI) issued a GETMAIN storage request in the SZSPPCRP storage subpool for RPL usage. The request failed.

The values of X'*rr*', the reason for failure, are:

Reason	Meaning
X'01'	Insufficient storage for the request.
X'02'	Invalid subpool token given.
X'04'	Invalid length of element requested.
X'05'	Length of element not specified.
X'08'	Access was denied to the storage subpool.
X'11'	Invalid initial image supplied.
X'12'	An abnormal end occurred in the storage manager.
X'13'	A loop was detected in the storage manager.

The values of X'*ee*', the response to the failed request, are:

Response	Meaning
X'01'	Request completed successfully.
X'02'	Exception response generated.
X'03'	Disaster response generated.
X'04'	Invalid response generated.
X'05'	A kernel error was detected.
X'06'	The request was purged.

All of these responses indicate that a system error occurred.

System Action: An exception trace entry is generated.

FEPI tries to recover from this error by retrying the request. However, no action is taken to prevent multiple occurrences.

User Response: If this message occurs frequently, you should take a dump of the CICS system before restarting it.

You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: Console and Transient Data Queue CSZL

Module: DFHSZRMP(DFHSZZRG)

XMEOUT Parameters: *date, time, applid, X'rr', X'ee'*

DFHSZ4014 E *date time applid* **FEPI storage FREEMAIN failed in subpool DA|NB|RP, reason** *X'rr'* **response** *X'ee'***.**

Explanation: The Front End Programming Interface (FEPI) issued a FREEMAIN storage request in an SZSPxxxx storage subpool. The request failed.

The values of X'*rr*', the reason for failure, are:

Reason	Meaning
X'02'	Invalid subpool token given.
X'03'	The address of the element to be freed is invalid.
X'06'	Invalid length of element specified.
X'07'	Length of element not specified.
X'08'	Access was denied to the storage subpool.
X'10'	The specified storage subpool was empty.
X'12'	An abnormal end occurred in the storage manager.
X'13'	A loop was detected in the storage manager.

The values of X'*ee*', the response to the failed request, are:

Response	Meaning
X'01'	Request completed successfully.
X'02'	Exception response generated.
X'03'	Disaster response generated.
X'04'	Invalid response generated.
X'05'	A kernel error was detected.
X'06'	The request was purged.

All of these responses indicate that a system error occurred.

System Action: The request is rejected, and a retry is not attempted (perhaps leaving storage that is never subsequently accessible). An exception trace entry is generated.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: Console and Transient Data Queue CSZL

Module: DFHSZRMP(DFHSZZFR)

XMEOUT Parameters: *date, time, applid, X'rr', X'ee'*

DFHSZ4015 I *date time applid* **FEPI** *{normal | immediate | forced}* **termination has started.**

Explanation: The Front End Programming Interface (FEPI) has acknowledged a shutdown request and is starting to terminate.

Message DFHSZ4003 is issued when FEPI completes termination.

FEPI terminates only in response to a CICS shutdown request (such as CEMT PERFORM SHUTDOWN). Some types of CICS shutdown can result in more than one DFHSZ4015 message being issued.

System Action: Certain EXEC CICS FEPI commands are made unavailable during FEPI termination.

Normal termination allows all transactions using FEPI resources to end before FEPI itself ends. However, no new usage of FEPI resources is permitted.

Immediate termination stops usage of FEPI facilities immediately but does a controlled shutdown of communication functions.

Forced termination stops usage of FEPI facilities immediately, and does the quickest possible shutdown of communication functions (which may lead to many VTAM messages being issued).

User Response: None.

Destination: Console and Transient Data Queue CSZL

Module: DFHSZRMP(DFHSZRDP)

XMEOUT Parameters: *date, time, applid, {1=normal, 2=immediate, 3=forced}*

DFHSZ4099 E *date time applid* **FEPI ended abnormally.**

Explanation: The Front End Programming Interface (FEPI) has ended abnormally.

System Action: A system dump is taken. All EXEC CICS FEPI commands are made unavailable.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: Console and Transient Data Queue CSZL

Module: DFHSZRMP(DFHSZSIP)

XMEOUT Parameters: *date, time, applid*

DFHSZ4101 I *date time applid* **FEPI node** *nnnnnnnn* **installed, for transaction** *xxxx***.**

Explanation: The Front End Programming Interface (FEPI) has successfully installed the named node.

System Action: Processing continues.

User Response: None.

Destination: CSZL

Module: DFHSZRMP(DFHSZRII)

XMEOUT Parameters: *date, time, applid, nnnnnnnn, xxxx*

DFHSZ4102 W *date time applid* **FEPI node** *nnnnnnnn* **installation failed, code** *rrr***, for transaction** *xxxx***.**

Explanation: The Front End Programming Interface (FEPI) cannot install the named node. The code indicates the reason, and is the RESP2 value returned by the EXEC CICS FEPI INSTALL NODE command.

System Action: Processing continues.

User Response: Investigate the failure, and correct it.

Destination: CSZL

Module: DFHSZRMP(DFHSZRII)

XMEOUT Parameters: *date, time, applid, nnnnnnnn, rrr, xxxx*

DFHSZ4103 I *date time applid* **FEPI node** *nnnnnnnn* **discarded, for transaction** *xxxx***.**

Explanation: The Front End Programming Interface (FEPI) has successfully discarded the named node.

System Action: Processing continues.

User Response: None.

Destination: CSZL

Module: DFHSZRMP(DFHSZRDN)

XMEOUT Parameters: *date, time, applid, nnnnnnnn, xxxx*

DFHSZ4104 I *date time applid* **FEPI node** *nnnnnnnn* **discard scheduled, for transaction** *xxxx***.**

Explanation: The Front End Programming Interface (FEPI) has scheduled the discard operation for the named node.

System Action: Processing continues. The node is discarded when it becomes inactive.

User Response: None.

Destination: CSZL

Module: DFHSZRMP(DFHSZRID)

XMEOUT Parameters: *date, time, applid, nnnnnnnn, xxxx*

DFHSZ4105 W *date time applid* **FEPI node** *nnnnnnnn* **discard failed, code** *rrr***, for transaction** *xxxx***.**

Explanation: The Front End Programming Interface (FEPI) cannot discard the named node. The code indicates the reason, and is the RESP2 value returned by the EXEC CICS FEPI DISCARD NODE command.

System Action: Processing continues.

User Response: Investigate the failure, and correct it.

Destination: CSZL

Module: DFHSZRMP(DFHSZRID)

XMEOUT Parameters: *date, time, applid, nnnnnnnn, rrr, xxxx*

DFHSZ4106 I *date time applid* **FEPI pool** *pppppppp* **(with property set** *yyyyyyyy***) installed, for transaction** *xxxx***.**

Explanation: The Front End Programming Interface (FEPI) has successfully installed the named pool which has the characteristics of the named property set.

System Action: Processing continues.

User Response: None.

Destination: CSZL

Module: DFHSZRMP(DFHSZRII)

XMEOUT Parameters: *date, time, applid, pppppppp, yyyyyyyy, xxxx*

DFHSZ4107 W *date time applid* **FEPI pool** *pppppppp* **(with property set** *yyyyyyyy***) installation failed, code** *rrr***, for transaction** *xxxx***.**

Explanation: The Front End Programming Interface (FEPI) cannot install the named pool, which has the characteristics of the named property set. The code indicates the reason, and is the RESP2 value returned by the EXEC CICS FEPI INSTALL POOL command.

System Action: Processing continues.

User Response: Investigate the failure, and correct it.

Destination: CSZL

Module: DFHSZRMP(DFHSZRII)

XMEOUT Parameters: *date, time, applid, pppppppp, yyyyyyyy, rrr, xxxx*

DFHSZ4108 I *date time applid* **FEPI pool** *pppppppp* **discarded, for transaction** *xxxx***.**

Explanation: The Front End Programming Interface (FEPI) has successfully discarded the named pool.

System Action: Processing continues.

User Response: None.

Destination: CSZL

Module: DFHSZRMP(DFHSZRDG)

XMEOUT Parameters: *date, time, applid, pppppppp, xxxx*

DFHSZ4109 I *date time applid* **FEPI pool** *ppppppppp* **discard scheduled, for transaction** *xxxx***.**

Explanation: The Front End Programming Interface (FEPI) has scheduled the discard operation for the named pool.

System Action: Processing continues. The pool is discarded when it becomes inactive.

User Response: None.

Destination: CSZL

Module: DFHSZRMP(DFHSZRID)

XMEOUT Parameters: *date, time, applid, ppppppppp, xxxx*

DFHSZ4110 W *date time applid* **FEPI pool** *ppppppppp* **discard failed, code** *rrr***, for transaction** *xxxx***.**

Explanation: The Front End Programming Interface (FEPI) cannot discard the named pool. The code indicates the reason, and is the RESP2 value returned by the EXEC CICS FEPI DISCARD POOL command.

System Action: Processing continues.

User Response: Investigate the failure, and correct it.

Destination: CSZL

Module: DFHSZRMP(DFHSZRID)

XMEOUT Parameters: *date, time, applid, ppppppppp, rrr, xxxx*

DFHSZ4111 I *date time applid* **FEPI target** *ttttttttt* **installed, for transaction** *xxxx***.**

Explanation: The Front End Programming Interface (FEPI) has successfully installed the named target.

System Action: Processing continues.

User Response: None.

Destination: CSZL

Module: DFHSZRMP(DFHSZRII)

XMEOUT Parameters: *date, time, applid, ttttttttt, xxxx*

DFHSZ4112 W *date time applid* **FEPI target** *ttttttttt* **installation failed, code** *rrr***, for transaction** *xxxx***.**

Explanation: The Front End Programming Interface (FEPI) cannot install the named target. The code indicates the reason, and is the RESP2 value returned by the EXEC CICS FEPI INSTALL TARGET command.

System Action: Processing continues.

User Response: Investigate the failure, and correct it.

Destination: CSZL

Module: DFHSZRMP(DFHSZRII)

XMEOUT Parameters: *date, time, applid, ttttttttt, rrr, xxxx*

DFHSZ4113 I *date time applid* **FEPI target** *ttttttttt* **discarded, for transaction** *xxxx***.**

Explanation: The Front End Programming Interface (FEPI) has successfully discarded the named target.

System Action: Processing continues.

User Response: None.

Destination: CSZL

Module: DFHSZRMP(DFHSZRDT)

XMEOUT Parameters: *date, time, applid, ttttttttt, xxxx*

DFHSZ4114 I *date time applid* **FEPI target** *ttttttttt* **discard scheduled, for transaction** *xxxx***.**

Explanation: The Front End Programming Interface (FEPI) has scheduled the discard operation for the named target.

System Action: Processing continues. The target is discarded when it becomes inactive.

User Response: None.

Destination: CSZL

Module: DFHSZRMP(DFHSZRID)

XMEOUT Parameters: *date, time, applid, ttttttttt, xxxx*

DFHSZ4115 W *date time applid* **FEPI target** *ttttttttt* **discard failed, code** *rrr***, for transaction** *xxxx***.**

Explanation: The Front End Programming Interface (FEPI) cannot discard the named target. The code indicates the reason, and is the RESP2 value returned by the EXEC CICS FEPI DISCARD TARGET command.

System Action: Processing continues.

User Response: Investigate the failure, and correct it.

Destination: CSZL

Module: DFHSZRMP(DFHSZRID)

XMEOUT Parameters: *date, time, applid, ttttttttt, rrr, xxxx*

DFHSZ4116 I *date time applid* **FEPI property set** *yyyyyyyy* **installed, for transaction** *xxxx***.**

Explanation: The Front End Programming Interface (FEPI) has successfully installed the named property set.

System Action: Processing continues.

User Response: None.

Destination: CSZL

Module: DFHSZRMP(DFHSZRII)

XMEOUT Parameters: *date, time, applid, yyyyyyyy, xxxx*

DFHSZ4117 W *date time applid* **FEPI property set** *yyyyyyyy* **installation failed, code** *rrr***, for transaction** *xxxx***.**

Explanation: The Front End Programming Interface (FEPI) cannot install the named property set. The code indicates the reason, and is the RESP2 value returned by the EXEC CICS FEPI INSTALL PROPERTYSET command.

System Action: Processing continues.

User Response: Investigate the failure, and correct it.

Destination: CSZL

Module: DFHSZRMP(DFHSZRII)

XMEOUT Parameters: *date, time, applid, yyyyyyyy, rrr, xxxx*

DFHSZ4118 I *date time applid* **FEPI property set** *yyyyyyyy* **discarded, for transaction** *xxxx***.**

Explanation: The Front End Programming Interface (FEPI) has successfully discarded the named property set.

System Action: Processing continues.

User Response: None.

Destination: CSZL

Module: DFHSZRMP(DFHSZRID)

XMEOUT Parameters: *date, time, applid, yyyyyyyy, xxxx*

DFHSZ4119 W *date time applid* **FEPI property set** *yyyyyyyy* **discard failed, code** *rrr***, for transaction** *xxxx***.**

Explanation: The Front End Programming Interface (FEPI) cannot discard the named property set. The code indicates the reason, and is the RESP2 value returned by the EXEC CICS FEPI DISCARD PROPERTYSET command.

System Action: Processing continues.

User Response: Investigate the failure, and correct it.

Destination: CSZL

Module: DFHSZRMP(DFHSZRID)

XMEOUT Parameters: *date, time, applid, yyyyyyyy, rrr, xxxx*

DFHSZ4120 I *date time applid* **FEPI node** *nnnnnnnn* **added to pool** *pppppppp***, for transaction** *xxxx***.**

Explanation: The Front End Programming Interface (FEPI) has successfully added the named node to the named pool.

System Action: Processing continues.

User Response: None.

Destination: CSZL

Module: DFHSZRMP(DFHSZRII)

XMEOUT Parameters: *date, time, applid, nnnnnnnn, pppppppp, xxxx*

DFHSZ4121 W *date time applid* **FEPI node** *nnnnnnnn* **not added to pool** *pppppppp***, code** *rrr***, for transaction** *xxxx***.**

Explanation: The Front End Programming Interface (FEPI) cannot add the named node to the named pool. The code indicates the reason, and is the RESP2 value returned by the EXEC CICS FEPI ADD POOL command.

System Action: Processing continues.

User Response: Investigate the failure, and correct it.

Destination: CSZL

Module: DFHSZRMP(DFHSZRII)

XMEOUT Parameters: *date, time, applid, nnnnnnnn, pppppppp, rrr, xxxx*

DFHSZ4122 I *date time applid* **FEPI node** *nnnnnnnn* **deleted from pool** *pppppppp***, for transaction** *xxxx***.**

Explanation: The Front End Programming Interface (FEPI) has successfully deleted the named node from the named pool.

System Action: Processing continues.

User Response: None.

Destination: CSZL

Module: DFHSZRMP(DFHSZRID)

XMEOUT Parameters: *date, time, applid, nnnnnnnn, pppppppp, xxxx*

DFHSZ4123 W *date time applid* **FEPI node** *nnnnnnnn* **not deleted from pool** *pppppppp***, code** *rrr***, for transaction** *xxxx***.**

Explanation: The Front End Programming Interface (FEPI) cannot delete the named node from the named pool. The code indicates the reason, and is the RESP2 value returned by the EXEC CICS FEPI DELETE POOL command.

System Action: Processing continues.

User Response: Investigate the failure, and correct it.

Destination: CSZL

Module: DFHSZRMP(DFHSZRID)

XMEOUT Parameters: *date, time, applid, nnnnnnnn, pppppppp, rrr, xxxx*

DFHSZ4124 I *date time applid* **FEPI target** *tttttttt* **added to pool** *pppppppp***, for transaction** *xxxx***.**

Explanation: The Front End Programming Interface (FEPI) has successfully added the named target to the named pool.

System Action: Processing continues.

User Response: None.

Destination: CSZL

Module: DFHSZRMP(DFHSZRII)

XMEOUT Parameters: *date, time, applid, tttttttt, pppppppp, xxxx*

DFHSZ4125 W *date time applid* **FEPI target** *tttttttt* **not added to pool** *pppppppp***, code** *rrr***, for transaction** *xxxx***.**

Explanation: The Front End Programming Interface (FEPI) cannot add the named target to the named pool. The code indicates the reason, and is the RESP2 value returned by the EXEC CICS FEPI ADD POOL command.

System Action: Processing continues.

User Response: Investigate the failure, and correct it.

Destination: CSZL

Module: DFHSZRMP(DFHSZRII)

XMEOUT Parameters: *date, time, applid, tttttttt, pppppppp, rrr, xxxx*

DFHSZ4126 I *date time applid* **FEPI target** *tttttttt* **deleted from pool** *pppppppp***, for transaction** *xxxx***.**

Explanation: The Front End Programming Interface (FEPI) has successfully deleted the named target from the named pool.

System Action: Processing continues.

User Response: None.

Destination: CSZL

Module: DFHSZRMP(DFHSZRID)

XMEOUT Parameters: *date, time, applid, tttttttt, pppppppp, xxxx*

DFHSZ4127 W *date time applid* **FEPI target** *tttttttt* **not deleted from pool** *pppppppp***, code** *rrr***, for transaction** *xxxx***.**

Explanation: The Front End Programming Interface (FEPI) cannot delete the named target from the named pool. The code indicates the reason, and is the RESP2 value returned by the EXEC CICS FEPI DELETE POOL command.

System Action: Processing continues.

User Response: Investigate the failure, and correct it.

Destination: CSZL

Module: DFHSZRMP(DFHSZRID)

XMEOUT Parameters: *date, time, applid, tttttttt, pppppppp, rrr, xxxx*

DFHSZ4128 W *date time applid* **FEPI delete from pool** *pppppppp* **failed, code** *rrr***, for transaction** *xxxx***.**

Explanation: The Front End Programming Interface (FEPI) cannot do a delete operation on the named pool. The code indicates the reason, and is the RESP2 value returned by the EXEC CICS FEPI DELETE POOL command.

System Action: Processing continues.

User Response: Investigate the failure, and correct it.

Destination: CSZL

Module: DFHSZRMP(DFHSZRID)

XMEOUT Parameters: *date, time, applid, pppppppp, rrr, xxxx*

DFHSZ4151 I *date time applid* **Unsolicited data received for FEPI pool** *pppppppp* **target** *tttttttt* **node** *nnnnnnnn***. Transaction** *xxxx* **started.**

Explanation: The Front End Programming Interface (FEPI) received some unsolicited data for the named pool-target-node connection, and started the named transaction to process this data.

System Action: Processing continues.

User Response: None.

Destination: CSZL

Module: DFHSZRMP(DFHSZBUN)

XMEOUT Parameters: *date, time, applid, pppppppp, tttttttt, nnnnnnnn, xxxx*

DFHSZ4152 I *date time applid* **Begin-session processing required for FEPI pool** *pppppppp* **target** *tttttttt* **node** *nnnnnnnn***. Transaction** *xxxx* **started.**

Explanation: The Front End Programming Interface (FEPI) invoked begin-session processing for the named pool-target-node connection, by starting the named transaction.

System Action: Processing continues.

User Response: None.

Destination: CSZL

Module: DFHSZRMP(DFHSZBSI)

XMEOUT Parameters: *date, time, applid, pppppppp, tttttttt, nnnnnnnn, xxxx*

DFHSZ4153 I *date time applid* **STSN processing required for FEPI pool** *pppppppp* **target** *tttttttt* **node** *nnnnnnnn***. Transaction** *xxxx* **started.**

Explanation: The Front End Programming Interface (FEPI) invoked STSN processing for the named pool-target-node connection, by starting the named transaction.

System Action: Processing continues.

User Response: None.

Destination: CSZL

Module: DFHSZRMP(DFHSZBST)

XMEOUT Parameters: *date, time, applid, pppppppp, tttttttt, nnnnnnnn, xxxx*

DFHSZ4154 W *date time applid* **FEPI session setup in pool** *pppppppp* **to target** *tttttttt* **and node** *nnnnnnnn* **failed with a reason code of** *X'rrrrrrrr'***. Setup will be retried later.**

Explanation: The Front End Programming Interface (FEPI) has detected an error during session setup for the named pool-target-node connection. Refer to *VTAM Messages and Codes* or to *SNA Formats* for a description of the reason code (error code or sense code) that describes this error.

System Action: Processing continues; the session setup is tried again after a short interval, using a different node if one is available.

User Response: None.

Destination: CSZL

Module: DFHSZRMP(DFHSZBLO)

XMEOUT Parameters: *date, time, applid, pppppppp, tttttttt, nnnnnnnn, X'rrrrrrrr'*

DFHSZ4155 W *date time applid* **FEPI session in pool** *pppppppp* **to target** *tttttttt* **and node** *nnnnnnnn* **ended with a reason code of** *X'rrrrrrrr'***.**

Explanation: The Front End Programming Interface (FEPI) has detected this VTAM event for the named pool-target-node connection. Refer to *VTAM Messages and Codes* or to *SNA Formats* for a description of the reason code (error code or sense code) that describes this event.

System Action: Processing continues.

User Response: None. This message can have a reason code of zero. If a message with a reason code of zero is not wanted, we recommend the use of the XMEOUT global user exit to suppress it.

Destination: CSZL

Module: DFHSZRMP(DFHSZBLO)

XMEOUT Parameters: *date, time, applid, pppppppp, tttttttt, nnnnnnnn, X'rrrrrrrr'*

DFHSZ4156 I *date time applid* **End-session processing required for FEPI pool** *pppppppp* **target** *tttttttt* **node** *nnnnnnnn***. Transaction** *xxxx* **started.**

Explanation: The Front End Programming Interface (FEPI) invoked end-session processing for the named pool-target-node connection, by starting the named transaction.

System Action: Processing continues.

User Response: None.

Destination: CSZL

Module: DFHSZRMP(DFHSZBFT)

XMEOUT Parameters: *date, time, applid, pppppppp, tttttttt, nnnnnnnn, xxxx*

DFHSZ4157 W *date time applid* **FEPI session setup in pool** *pppppppp* **to target** *tttttttt* **and node** *nnnnnnnn* **failed with a reason code of** *X'rrrrrrrr'***. Setup will not be retried.**

Explanation: The Front End Programming Interface (FEPI) has detected an error during session setup for the named pool-target-node connection. Refer to *VTAM Messages and Codes* or to *SNA Formats* for a description of the reason code (error code or sense code) that describes this error. Setting up a session for this connection has failed several times.

System Action: Processing continues; the session setup for this connection is not tried again.

User Response: None; operator intervention may be needed to make the connection available.

Destination: CSZL

Module: DFHSZRMP(DFHSZBLO)

XMEOUT Parameters: *date, time, applid, pppppppp, ttttttt, nnnnnnnn, X'rrrrrrrr'*

DFHSZ4158 W *date time applid* **The VTAM OPEN request for FEPI node** *nnnnnnnn* **failed with a reason code of** *X'rrrrrrrr'***. This operation will be retried.**

Explanation: The Front End Programming Interface (FEPI) has detected an error during VTAM OPEN processing for the named node.

The possible values of X'*rrrrrrrr*', the reason for failure, are:

Code	Meaning
X'00000000'	VTAM TPEND occurred with error code 0.
X'00000004'	VTAM TPEND occurred with error code 4.
X'00000008'	VTAM TPEND occurred with error code 8.
X'0000000C'	VTAM SETLOGON failed.
other values	VTAM OPEN failed with error code given.

Refer to *VTAM Programming* for a description of these error codes.

System Action: Processing continues; the VTAM OPEN for the node is repeated after a short interval.

User Response: None.

Destination: CSZL

Module: DFHSZRMP(DFHSZRIO)

XMEOUT Parameters: *date, time, applid, nnnnnnnn, X'rrrrrrrr'*

DFHSZ4159 W *date time applid* **The VTAM OPEN request for FEPI node** *nnnnnnnn* **failed with a reason code of** *X'rrrrrrrr'***. This operation will not be retried.**

Explanation: The Front End Programming Interface (FEPI) has detected an error during VTAM OPEN processing for the named node. The reason code is the error code returned by the VTAM OPEN operation. Refer to *VTAM Programming* for a description of these error codes.

System Action: Processing continues; the VTAM OPEN for the node is not repeated.

User Response: None; operator intervention may be needed to make the node available.

Destination: CSZL

Module: DFHSZRMP(DFHSZRIO)

XMEOUT Parameters: *date, time, applid, nnnnnnnn, X'rrrrrrrr'*

DFHSZ4201 I *date time applid* **FEPI node** *nnnnnnnn* **now has status** *{INSERVICE | OUTSERVICE | GOINGOUT}***,** *{ACQUIRED | RELEASED | ACQUIRING | RELEASING}***.**

Explanation: The status of a Front End Programming Interface (FEPI) node has been changed by an EXEC CICS FEPI SET NODE or a CEMT SET FENODE command, and is now as described.

System Action: Processing continues.

User Response: None

Destination: CSZL

Module: DFHSZRMP(DFHSZRIW)

XMEOUT Parameters: *date, time, applid, nnnnnnnn, {1=INSERVICE, 2=OUTSERVICE, 3=GOINGOUT}, {4=ACQUIRED, 5=RELEASED, 6=ACQUIRING, 7=RELEASING}*

DFHSZ4202 I *date time applid* **FEPI pool** *pppppppp* **now has status** *{INSERVICE | OUTSERVICE | GOINGOUT}***.**

Explanation: The status of a Front End Programming Interface (FEPI) pool has been changed by an EXEC CICS FEPI SET POOL or a CEMT SET FEPOOL command, and is now as described.

System Action: Processing continues.

User Response: None

Destination: CSZL

Module: DFHSZRMP(DFHSZRIW)

XMEOUT Parameters: *date, time, applid, pppppppp, {1=INSERVICE, 2=OUTSERVICE, 3=GOINGOUT}*

DFHSZ4203 I *date time applid* **FEPI target** *ttttttt* **now has status** *{INSERVICE | OUTSERVICE | GOINGOUT}***.**

Explanation: The status of a Front End Programming Interface (FEPI) target has been changed by an EXEC CICS FEPI SET TARGET or a CEMT SET FETARGET command, and is now as described.

System Action: Processing continues.

User Response: None

Destination: CSZL

Module: DFHSZRMP(DFHSZRIW)

XMEOUT Parameters: *date, time, applid, ttttttt, {1=INSERVICE, 2=OUTSERVICE, 3=GOINGOUT}*

DFHTCxxxx messages

DFHTC1001 *applid* **Terminal control initialization failed (***modname***).**

Explanation: The CICS terminal control restart task could not complete because a necessary step failed. The task has done some essential recovery operations and has abnormally terminated itself with code ATC1.

System Action: CICS writes a transaction dump for the terminal control restart task. CICS sends two messages to the console, one to identify the error detected by the terminal control restart task, and one, DFHTC1001, to say that the task has failed. A third message follows, either to say that CICS has terminated abnormally with a dump or to ask you to reply GO or CANCEL. Depending on the nature of the original error, you may see messages from some other system component (for example, an access method).

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: First, if CICS has requested a response, you must reply. If you reply 'GO', CICS continues processing, but without terminal control. If you reply 'CANCEL', CICS terminates abnormally with a dump. Use the messages and dumps to find out the cause of the failure. You need further assistance from IBM to

resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Modules: DFHSII1, DFHTCRP

XMEOUT Parameters: *applid, modname*

DFHTC1002 *applid* **Unable to link to program DFHTCRP.**

Explanation: The CICS terminal control recovery program, DFHTCRP, is unavailable. CICS cannot find DFHTCRP in any data set concatenated in the DFHRPL DD statement in the CICS startup job stream.

System Action: CICS terminates abnormally with a dump.

User Response: To correct this error, place DFHTCRP in a partitioned data set in the DFHRPL DD statement.

Destination: Console

Module: DFHSII1

XMEOUT Parameter: *applid*

DFHTC1004 *applid* **Program DFHTORP cannot be found. Typeterms cannot be initialized**

Explanation: The CICS terminal object resolution program, DFHTORP, is not available. CICS cannot find DFHTORP in any data set concatenated in the DFHRPL DD statement in the CICS startup job stream.

System Action: CICS terminates abnormally with a dump.

User Response: To correct this error, place DFHTORP in a partitioned data set in the DFHRPL DD statement.

Destination: Console

Module: DFHTCRP

XMEOUT Parameter: *applid*

DFHTC1011 *applid* **Unable to load** *xxxxxx* **During a CICS cold or initial start, CICS could not PC LOAD the CICS module, DFH***xxxxxx***, probably because it is missing from the library.**

System Action: CICS initialization continues, but, even if it completes, VTAM resource initialization will be incorrect in some respect, depending on the function of module DFH*xxxxxx*.

User Response: If CICS completes initialization, processing of VTAM resources will be invalid. You should cancel CICS, make module DFH*xxxxxx* available and then restart CICS.

Destination: Console

Module: DFHTCRP

XMEOUT Parameters: *applid, xxxxxx*

DFHTC1012 *applid* **Failure in installing VTAM resources**

Explanation: During a cold or initial start, CICS could not install all the VTAM resources defined by TCT macros. CICS has issued other message(s) identifying which resources could not be installed.

System Action: CICS initialization continues.

User Response: If any of the uninstalled resources is essential, use RDO to make it available, or cancel CICS. The most likely reasons for this message are:

- The output of the DFHTCT assembly was corrupted, **or**
- A previous CICS message such as DFHTC1011, **or**
- CICS code contains a logic error.

If you suspect an error in CICS, you will need further assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Module: DFHTCRP

XMEOUT Parameter: *applid*

DFHTC1013 *applid* **Restore failed for** *xxxxxx*

Explanation: During a warm or emergency restart, CICS could not restore the resource *xxxxxx*.

System Action: CICS continues initialization.

User Response: If resource *xxxxxx* is essential to your system, cancel CICS. This problem is probably caused by a CICS logic error. You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Module: DFHTCRP

XMEOUT Parameters: *applid, xxxxxx*

DFHTC1014 *date time applid* **Communication resource definition for (***resname***) was not restored from the catalog because the resource definition for (***highname***) was not installed.**

Explanation: During an emergency restart, CICS could not restore the resource *resname* from the catalog, because the definition for another resource *highname* that it depends on is not present. Usually *resname* is a session or modegroup and *highname* is a connection.

System Action: CICS continues restart, and deletes this resource from the CICS catalog. If the definition refered to was being installed when the previous CICS failed, both definitions are restored from the system log later in the restart.

User Response: If resource *resname* is essential to your system and is not restored later in initialization you can reinstall the resource having first installed the resource that it depends on. This message can be caused by:

- An install which was not complete when CICS failed, in which case it is forward recovered from the system log later, and no action is needed.
- A failure during warm shutdown in the previous run. In this case messages are produced for connections that were autoinstalled and were not uncataloged by the warm shutdown. In this case some auto-installed connections which would have been removed from the catalog if the warm shutdown had completed are recovered, but those which cause these messages are not.
- A corrupted CICS catalog. If large numbers of unrelated resources are missing, and the preceeding CICS run was not warm keypointing at the time of failure, the catalog may have been corrupted. CICS continues, but you may want to initial start in order to get your definitions to a known state.
- A CICS logic error. In this case you need assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CSMT

Module: DFHTCRP

XMEOUT Parameters: *date, time, applid, resname, highname*

DFHTC1015 *applid* **TCT load module contains obsolete entries**

Explanation: During CICS initialization, the TCT load module DFHTCT*xx* (*xx* being the suffix) was found to contain entries not generated by the assembly macros for this release of CICS. This table cannot be used.

System Action: The bring-up is abandoned.

User Response: Either the incorrect TCT suffix was specified or implied, or the TCT has been assembled against the wrong level of CICS macros. Retry the bring-up, specifying a different suffix, or using a TCT assembled against the correct macros, as appropriate.

Destination: Console

Module: DFHAPSIP

XMEOUT Parameter: *applid*

DFHTC1022 *applid* **Error for XRF tracking record - Type:** *type* **- Key:** *key*

Explanation: An error during XRF tracking prevented a change to a resource from being tracked. The resource is of type *type* and is associated with key *key*.

type is the tracking record type. This is one of the following:

TCT CONTENTS

ZCP SESSIONS

key is the location of an object in the TCTTE hierarchy.

System Action: The associated resource is in an incorrect state, missing, or not deleted at the end of takeover.

User Response: Decide whether the named resource is critical and see if you can resolve the problem.

Destination: Console

Module: DFHTCRP

XMEOUT Parameters: *applid, type, key*

DFHTC1023 *applid* **Logic error in tracking** *condition*

Explanation: During XRF tracking, a condition was detected which is not possible within the intended design. The insert indicates which of the checked conditions has been detected:

1. No broadcast message accepted outside tracking. The GETMSG routine in DFHTCRP should only accept broadcast messages and those whose id matches that in field GETMSPEC. This field should only be set during tracking.
2. Broadcast message with null key. A null-key record indicates that the catch-up stream that it arrives in is complete. This can only happen to the broadcast tracking stream if the active has just done a normal (warm) shut-down.

System Action: The message in question is ignored

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Module: DFHTCRP

XMEOUT Parameters: *applid, condition*

DFHTC1024I *applid* **XRF takeover while catching up.**

Explanation: The alternate CICS that issued this message has only just started. Apparently the active CICS failed before the alternate could obtain all the information about TCT resources in the active. Please refer to messages DFHTC1034-DFHTC1036 for details of the types of information which may be missing or may be incomplete.

System Action: Takeover continues.

User Response: Watch for further messages.

Destination: Console

Module: DFHTCRP

XMEOUT Parameter: *applid*

DFHTC1034I *applid* **TCT contents incomplete. Will read catalog.**

Explanation: DFHTC1024 provides background information for this message. Apparently, the active CICS failed before the alternate CICS could obtain the definitions for all the trackable resources in the active's TCT. Definitions may be missing at this point. However, the CICS catalog in the active may contain a more complete set of definitions in the restart data set. These will now be read as for a warm or emergency restart.

System Action: Takeover continues.

User Response: Look out for any errors while reading the CICS catalog.

Destination: Console

Module: DFHTCRP

XMEOUT Parameter: *applid*

DFHTC1035E *applid* **Session states may be incorrect**

Explanation: DFHTC1024 provides background information for this message. Apparently, the active CICS failed before the alternate CICS could obtain the session-state for all the trackable resources in the active's TCT. States may be incorrect at this point.

System Action: Takeover continues.

User Response: Be prepared for some logical units (LUs) that were ACQUIRED in the old active not to be after the takeover.

Destination: Console

Module: DFHTCRP

XMEOUT Parameter: *applid*

DFHTC1036I *applid* **Unimplemented tracking-type incomplete:** *xxxx*

Explanation: DFHTC1024 provides background information for this message. Apparently, the active CICS failed before the alternate CICS had been sent all the information regarding a type of resource which has not been implemented. This does not have any serious consequences as the information would have been thrown away. However, it does indicate a level of incompatibility between the old active system and this system.

System Action: Takeover continues.

User Response: Decide whether the implied level incompatibility exists and is expected. DFHTCRP

XMEOUT Parameters: *applid, xxxx*

DFHTC1040I *applid nnnn* **Terminal control tracking records received.**

Explanation: An alternate is standing by and has received *nnnn* terminal control tracking messages from the active.

System Action: Tracking continues.

User Response: None.

Destination: Console

Module: DFHTCRP

XMEOUT Parameters: *applid, nnnn*

DFHTC1041I *applid* **Terminal control tracking started.**

Explanation: An alternate is initializing, and is now about to start accepting messages from the active. Message DFHTC1044 should appear shortly.

System Action: Initialization continues.

User Response: None.

Destination: Console

Module: DFHTCRP

XMEOUT Parameter: *applid*

DFHTC1042I *applid* **Waiting for terminal control tracking to drain.**

Explanation: An alternate is taking over and is processing the remaining few tracking records from the active. This message is issued every 15 seconds while the takeover is held up for processing to complete. This is potentially an error, especially if it is repeated an unusual number of times. The likely causes include a delay in STANDBY BIND or UNBIND processing in VTAM, or a CICS logic error. The system issues this message twice and then flushes the outstanding tracking activity as described in message DFHTC1046.

User Response: Look for message DFHTC1046.

Destination: Console

Module: DFHZXQO

XMEOUT Parameter: *applid*

DFHTC1043I *applid* **Terminal control tracking ended -** *nnn* **records received.**

Explanation: An XRF alternate system is taking over. The last of the terminal control tracking records from the failing active system has been received and is being processed.

System Action: Takeover continues.

User Response: None.

Destination: Console

Module: DFHTCRP

XMEOUT Parameters: *applid, nnn*

DFHTC1044I *applid* **Terminal control catch-up started.**

Explanation: An XRF alternate system is preparing to standby and has received the first message from the active containing information about terminal control resources installed and/or bound before this alternate was started.

System Action: Initialization continues.

User Response: None.

Destination: Console

Module: DFHTCRP

XMEOUT Parameter: *applid*

DFHTC1045I *applid* **Terminal control catch-up complete.**

Explanation: An XRF alternate system is standing by, and has now received all the terminal control information it needs about terminal control resources installed and/or bound in the active before this alternate was started.

System Action: Normal tracking continues.

User Response: None.

Destination: Console

Module: DFHTCRP

XMEOUT Parameter: *applid*

DFHTC1046I *applid* **Flushing terminal control tracking.**

Explanation: An alternate is taking over and is processing the remaining few tracking records from the active. Message DFHTC1042 has been issued twice. DFHZXQO is now doing a controlled flush of the outstanding activity.

System Action: CICS posts one outstanding action every 2 seconds in an attempt to free the hold-up. A system dump is taken for the first action only.

User Response: This processing only occurs when an error or unforeseen circumstance arises. If the problem can be reproduced, you will need further assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Module: DFHZXQO

XMEOUT Parameter: *applid*

DFHTC1047I *applid* **Higher node missing. Record dropped for** *key*

Explanation: An XRF alternate has received a tracking message from the active CICS, but either the associated system entry for this terminal is not present, or the ordering of terminal catalog records on the restart data set is incorrect (in that the terminal in error comes before the associated system entry).

key is the location of an object in the TCTTE hierarchy. This situation occurs if the active CICS was unable to send all of its tracking messages. This sometimes results in the system entry not being sent.

System Action: The tracking message is discarded and so the associated action (an INSTALL or LOGON) is not performed.

User Response: Ensure the CAVM message data set is large enough and restart the alternate. Check that the active CICS job is referring to the correct restart data set.

Destination: Console

Module: DFHTCRP

XMEOUT Parameters: *applid, key*

DFHTC1060 *applid* **Insufficient storage - code(***X'code'***) in module DFHTCRP.**

Explanation: A request for storage could not be satisfied in module DFHTCRP. The specific error is identified by the X'*code*' in the message. This implies that the dynamic storage area (DSA) size is too small. The X'*code*' identifies an exception trace record.

System Action: Terminal control initialization is terminated with a system dump and message DFHTC1001 is issued.

User Response: Since sufficient storage should be obtainable from within the minimum size DSA, this may imply a logic error within CICS. Try to increase the CDSASZE parameter in the system initialization table (SIT). You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Module: DFHTCRP

XMEOUT Parameters: *applid, X'code'*

DFHTC1575 *applid* **No TCT entry for** *termid*

Explanation: This message is issued when system initialization reads a warm start record for which there is no matching terminal control table (TCT) entry. *termid* is the TCT name that is missing.

System Action: The record is ignored.

User Response: If TCT *termid* is required, system initialization should be canceled. Ensure that a matching TCT entry for terminal *termid* exists and retry.

Destination: Console

Module: DFHTCRP

XMEOUT Parameters: *applid, termid*

DFHTC2500 *date time applid {Line | CU | Terminal }***out of service** *{Term | W/Term }termid*

Explanation: This message indicates the OUT-OF-SERVICE conditions on completion of error processing in DFHTACP. It is possible that some of these conditions were true before the error was detected.

System Action: Other processing continues.

User Response: None.

Destination: CSMT

Module: DFHTACP

XMEOUT Parameters: *date, time, applid, {1=Line , 2=CU , 3=Terminal }, {1=Term , 2=W/Term }, termid*

DFHTC2501 Msg too long, please resubmit

Explanation: The terminal operator has keyed in more data than was expected for this READ.

System Action: The transaction in progress is terminated.

User Response: Reset the terminal and restart the transaction after the message TRANSACTION HAS BEEN ABENDED has been received.

Destination: Terminal End User

Module: DFHTACP

DFHTC2502 *date time applid* **TCT search error** *{on line w/term | at term }termid{, trans | , dest }tranid|destid{, rel line=}rr***,***time*

Explanation: An invalid terminal address was received on the line identified by terminal *termid*. This error can normally occur only on control unit devices such as a 2980 or a 3270. This is because CICS uses general polling and not all terminals on the control unit may be defined to CICS. All other conditions are undefined. The optional part of the message "**dest***destid*" applies only to TCAM. The destination *destid* is given when it does not match any of the network names (netnames) specified on the TCTTE generation.

System Action: The control unit is placed out of service or, if it is not a general polled device, the line is placed out of service.

User Response: Ensure that all terminals on the failing control unit are defined in the terminal control table (TCT).

Where applicable, ensure that the TCAM MCP terminal generation names match the CICS DFHTCT TYPE=TERMINAL NETNAME parameter.

Destination: CSMT

Module: DFHTACP

XMEOUT Parameters: *date, time, applid, {1=on line w/term , 2=at term }, termid, {1=, trans , 2=, dest }, tranid|destid, {1=, rel line=}, rr, time*

DFHTC2506 *date time applid* **Output event rejected return code** *zz {on line w/term | at term }termid{, trans }tranid{, rel line=}rrtime*

Explanation: An output operation was attempted but was halted by the I/O routines and resulted in the SAM return code *zz*. If an abnormal condition is detected after a READ or WRITE macro, the operation is not started, and control is returned to the user program at the instruction following the READ or WRITE macro.

System Action: The line is placed out of service.

User Response: Ensure that the system is dumped at shutdown time in order to document the failure. For an explanation of the SAM return codes, *zz*, refer to the *OS/VS SAM* manual, (GC27-6980).

Destination: CSMT

Module: DFHTACP

XMEOUT Parameters: *date, time, applid, zz, {1=on line w/term , 2=at term }, termid, {1=, trans }, tranid, {1=, rel line=}, rr, time*

DFHTC2507 *date time applid* **Input event rejected return code** *zz {on line w/term | at term }termid{, trans }tranid{, rel line=}rr***,***time*

Explanation: An input operation was attempted but was halted by the I/O routines, and resulted in the SAM return code *zz*. If an abnormal condition is detected after a READ or WRITE macro instruction, the operation is not started, and control is returned to your program at the instruction following the READ or WRITE macro instruction.

System Action: The line is placed out of service.

User Response: Ensure the system is dumped at shutdown time in order to document the failure.

Destination: CSMT

Module: DFHTACP

XMEOUT Parameters: *date, time, applid, zz, {1=on line w/term , 2=at term }, termid, {1=, trans }, tranid, {1=, rel line=}, rr, time*

DFHTC2511 *date time applid* **Invalid write request** *{on line w/term | at term }termid{, trans }tranid{, rel line=}rr,time*

Explanation: This message is issued when one of the following has occurred.

1. A transaction has issued a write to its terminal facility that currently has a terminal status of input.
2. A transaction has issued a write to a 3735 during batch transmission prior to receipt of the end-of-file (EOF) condition.

System Action: The write request is not executed, and the transaction terminates abnormally. CICS processing continues.

User Response: The user response depends on the condition that has occurred. For condition

1. ensure that transactions do not issue write requests to terminals in input status.
2. ensure that the 3735 batch transaction does not issue its first write request before it has received the EOF condition.

Destination: CSTL

Module: DFHTACP

XMEOUT Parameters: *date, time, applid, {1=on line w/term , 2=at term }, termid, {1=, trans }, tranid, {1=, rel line=}, rr, time*

DFHTC2513 *date time applid* **Output length zero** *{on line w/term | at term }termid{, trans }tranid{, rel line=}rr,time*

Explanation: The data length in TIOATDL was not positive for a write operation.

System Action: The transaction is abnormally terminated.

User Response: Correct the zero or negative data length specification in the application program.

Destination: CSMT

Module: DFHTACP

XMEOUT Parameters: *date, time, applid, {1=on line w/term , 2=at term }, termid, {1=, trans }, tranid, {1=, rel line=}, rr, time*

DFHTC2514 *date time applid* **No output area provided** *{on line w/term | at term }termid{, trans }tranid{, rel line=}rr,time*

Explanation: A write was requested on terminal *termid* by transaction *tranid*. However, the TCTTEDA field was not initialized.

System Action: The write request is not executed, and the transaction terminates abnormally. CICS processing continues.

User Response: Ensure that transaction *tranid* obtains the required storage and initializes the TCTTEDA field.

Destination: CSTL

Module: DFHTACP

XMEOUT Parameters: *date, time, applid, {1=on line w/term , 2=at term }, termid, {1=, trans }, tranid, {1=, rel line=}, rr, time*

DFHTC2515 *date time applid* **Output area exceeded** *{on line w/term | at term }termid{, trans }tranid{, rel line=}rr,time*

Explanation: One of the following has occurred:

- The terminal I/O area (TIOA) is not large enough to contain both the data and carrier control characters.
- The TIOA data length is greater than the TCAM block size specified in the DFHTCT TYPE=SDSCI macro.
- The application requires a TIOA larger than 32767 bytes.

System Action: The write request is not executed, the terminal write storage is freed (if possible), and the transaction terminates abnormally. CICS processing continues.

User Response: Ensure that application programs do not set the value of TIOATDL greater than the TIOA GETMAIN size, and that the TIOA data length is not greater than the TCAM blocksize. Also ensure that the application program does not require a TIOA larger than 32767 bytes.

Destination: CSTL

Module: DFHTACP

XMEOUT Parameters: *date, time, applid, {1=on line w/term , 2=at term }, termid, {1=, trans }, tranid, {1=, rel line=}, rr, time*

DFHTC2516 *date time applid* **Unit check SNS=***ss {on line w/term | at term }termid{, trans }tranid{, rel line=}rr,time*

Explanation: A unit check error has occurred on the line defined by terminal *termid*. The sense (SNS=*ss*) is provided.
D/T 3275 dialed gives an automatic two-minute time out if there is no activity on the line.

System Action: The line is placed out of service on SAM lines.

Intervention on a switched line causes the task to be abnormally terminated and the line to be logically disconnected. Intervention on a non-switched line with a dummy (unidentified) terminal causes the line to be placed out of service. With a real terminal, intervention causes the terminal to be placed out of service and the transaction to be abnormally terminated.

A data check with a dummy terminal causes the line to be placed out of service. With a real terminal, it causes the terminal to be placed out of service and the transaction to be abnormally terminated.

Lost data on a READ,TEXT command causes a MESSAGE TOO LONG response to be sent to the terminal. The transaction is abnormally terminated.

Time-out on a READ,TEXT command causes a MESSAGE TOO LONG response to be sent to the terminal. Time-out with a dummy terminal causes the line to be placed out of service. With a real terminal, it causes the terminal to be placed out of service and the transaction to be abnormally terminated.

User Response: Examine the system console log message generated by SAM for this error and have the unit error corrected.

Destination: CSMT

Module: DFHTACP

XMEOUT Parameters: *date, time, applid, ss, {1=on line w/term , 2=at term }, termid, {1=, trans }, tranid, {1=, rel line=}, rr, time*

DFHTC2517 *date time applid* **Unit check SNS=***ss***, S.N.O.** *{on line w/term | at term }termid{, trans }tranid{, rel line=}rr***,***time*

Explanation: A unit check error has occurred on the line defined by terminal *termid*. SAM indicates this error as undefined - S.N.O (should not occur). The sense (SNS=*ss*) is provided.

System Action: The line is placed out of service on SAM lines.

Intervention on a switched line causes the task to be abnormally terminated and the line to be logically disconnected. Intervention on a nonswitched line with a dummy (unidentified) terminal causes the terminal to be placed out of service and the transaction (task) to be abnormally terminated. With a real terminal, intervention causes the terminal to be placed out of service and the transaction to be abnormally terminated.

A data check with a dummy terminal causes the line to be placed out of service. With a real terminal, it causes the terminal to be placed out of service and the transaction to be abnormally terminated.

A time-out on a READ,TEXT command causes a MESSAGE TOO LONG response to be sent to the terminal. Time-out with a dummy terminal causes the line to be placed out of service. With a real terminal, it causes the terminal to be placed out of service and the transaction to be abnormally terminated.

User Response: Examine the system console log message generated by SAM for this error and have the unit error corrected.

Destination: CSMT

Module: DFHTACP

XMEOUT Parameters: *date, time, applid, ss, {1=on line w/term , 2=at term }, termid, {1=, trans }, tranid, {1=, rel line=}, rr, time*

DFHTC2518 *date time applid* **Unit exception on** *{on line w/term | at term }termid{, trans }tranid{, rel line=}rr***,***time*

Explanation: A unit exception error occurred on the line defined by terminal *termid*.

System Action: With a:

- Switched line, the transaction is abnormally terminated and the line is logically disconnected.
- Dummy terminal, the line is placed out of service.
- Real terminal, the terminal is placed out of service and the transaction is abnormally terminated.

User Response: Examine the system console log message generated by SAM for this error and have the unit error corrected.

Destination: CSMT

Module: DFHTACP

XMEOUT Parameters: *date, time, applid, {1=on line w/term , 2=at term }, termid, {1=, trans }, tranid, {1=, rel line=}, rr, time*

DFHTC2519 *date time applid* **Unit exception S.N.O.** *{on line w/term | at term }termid{, trans }tranid{, rel line=}rr***,***time*

Explanation: A unit exception error has occurred on the line defined by terminal *termid*. SAM indicates this error as undefined - S.N.O (should not occur).

System Action: With a:

- Switched line, the transaction is abnormally terminated and the line is logically disconnected.
- Dummy terminal, the line is placed out of service.
- Real terminal, the terminal is placed out of service and the transaction is abnormally terminated.

User Response: Examine the system console log message generated by SAM for this error. Have the unit error corrected.

Destination: CSMT

Module: DFHTACP

XMEOUT Parameters: *date, time, applid, {1=on line w/term , 2=at term }, termid, {1=, trans }, tranid, {1=, rel line=}, rr, time*

DFHTC2521 *date time applid* **Undetermined unit error** *{on line w/term | at term }termid{, trans }tranid{, rel line=}rr***,***time*

Explanation: An I/O error (that was *not* a unit check, a unit exception, or a negative response) occurred on the line defined by terminal *termid*.

System Action: The line associated with terminal *termid* is placed out of service.

User Response: Examine the system console log message generated by SAM for this error. Have the unit error corrected.

Destination: CSMT

Module: DFHTACP

XMEOUT Parameters: *date, time, applid, {1=on line w/term , 2=at term }, termid, {1=, trans }, tranid, {1=, rel line=}, rr, time*

DFHTC2522 *date time applid* **Intercept Required for terminal** *termid* **transaction** *tranid***,***time*

Explanation: The task associated with terminal *termid* and transaction *tranid* was to have been abnormally terminated, but TPURGE(NO) was specified in the CSD definition for this task.

System Action: The terminal is placed out of service.

User Response: Use the master terminal facility to intercept or terminate the task.

Destination: CSMT

Module: DFHTACP

XMEOUT Parameters: *date, time, applid, termid, tranid, time*

DFHTC2529 *date time applid* **Unsolicited input** *{on line w/term | at term }termid{, trans }tranid{, rel line=}rr***,***time*

Explanation: Input has occurred on a control unit (general poll) for which terminal *termid* is out of service or has a task that has not issued a DFHTC TYPE=READ macro.

System Action: No action is performed by CICS. Control is given to a user-written terminal error program, DFHTEP.

User Response: Code DFHTEP as dictated by environmental needs.

Destination: CSMT

Module: DFHTACP

XMEOUT Parameters: *date, time, applid, {1=on line w/term , 2=at term }, termid, {1=, trans }, tranid, {1=, rel line=}, rr, time*

DFHTC2534 *date time applid* **Invalid destination at term** *termid***, trans** *tranid***,***time*

Explanation: An invalid destination was passed to TCAM from terminal *termid*.

System Action: The write is halted and the task is abnormally terminated with a dump.

User Response: Ensure that the destination is defined in the TCAM message control program (MCP).

Destination: CSMT

Module: DFHTACP

XMEOUT Parameters: *date, time, applid, termid, tranid, time*

DFHTC2536 *date time applid* **Link to DFHTEP from DFHTACP failed because** *{module DFHTEP is not AMODE 31 | module DFHTEP could not be loaded | there is no PPT entry for program DFHTEP}***.**

Explanation: While processing an error for a non-VTAM terminal, CICS attempted to link to user replaceable module DFHTEP. The link failed. One or more of the default actions described in message DFHTC2538 have been taken.

System Action: The default action(s) set by DFHTACP are taken.

User Response: Refer to message DFHTC2538 for an explanation of the default action(s) that have been taken.

Possible solutions are:

- Ensure that DFHTEP is linked with AMODE 31.
- Ensure that DFHTEP is contained in one of the data sets concatenated in the DFHRPL DD statement and has the correct name.
- Ensure that the PPT entry for module DFHTEP exists and is valid.

Destination: CSMT

Module: DFHTACP

XMEOUT Parameters: *date, time, applid, {1=module DFHTEP is not AMODE 31, 2=module DFHTEP could not be loaded, 3=there is no PPT entry for program DFHTEP}*

DFHTC2537 *date time applid* **Abend** *abcode* **has occurred in module DFHTEP.**

Explanation: While processing an error for a non-VTAM terminal, user replaceable module DFHTEP was linked to and the program has abended with abend code *abcode*. One or more of the default actions described in message DFHTC2538 have been taken.

System Action: Control is passed back to the calling module DFHTACP. DFHTACP reinstates the default action(s) set before DFHTEP was called. The action(s) are then taken.

User Response: Refer to message DFHTC2538 for an explanation of the default action(s) that have been taken. Refer to abend code *abcode* for details of the original error. Follow the user response given in abend code *abcode* to solve the problem.

Destination: CSMT

Module: DFHTACP

XMEOUT Parameters: *date, time, applid, abcode*

DFHTC2538 *date time applid* **Default actions** *actions***have been taken for message number** *relatedmessage***.**

Explanation: A problem has arisen during the processing of an error for a non-VTAM terminal and message *msgno* has been issued. The explanations for all possible default actions are as follows:

Action	Meaning
LINEOS	Place line out of service
NONPRGT	Non purgeable task
TERMOS	Place terminal out of service
ABENDT	Abend task on terminal
ABORTWR	Abort write and free terminal storage
RELTIOA	Release TCAM incoming message
SIGNOFF	Call the signoff program for terminal in error

System Action: The system action is stated in message *related message*.

User Response: Follow the guidance given in the user response section of message *related message*.

Destination: CSMT

Module: DFHTACP

XMEOUT Parameters: *date, time, applid, actions, relatedmessage*

DFHTC8510 *date time applid* **SNA protocol violation detected in query response at termid** *termid*

Explanation: CICS has detected a violation of SNA protocols in a query response from device *termid*.

System Action: DFHQRY runs without effect.

User Response: Find out why an invalid query response is being sent to CICS.

Destination: CSMT

Module: DFHQRY

XMEOUT Parameters: *date, time, applid, termid*

DFHTDxxxx messages

DFHTD0001 *applid* **An abend (code** *aaa/bbbb***) has occurred at offset** *X'offset'* **in module** *modname***.**

Explanation: An abnormal end (abend) or program check has occurred in module *modname*. This implies that there may be an error in CICS code. Alternatively, unexpected data has been input, or storage has been overwritten.

The code *aaa/bbbb* is a three 3-digit hexadecimal MVS code (if applicable), followed by a 4-digit alphanumeric CICS code. The MVS code is a system completion code (for example, 0C1 or D37). If an MVS code is not applicable, this field is filled with three hyphens. The CICS code is an abend code or a number referring to a CICS message (for example, AKEA is a CICS abend code; TS1310 refers to message DFHTS1310).

System Action: An exception entry is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS continues unless you have specified in the dump table that CICS should terminate.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: If CICS is still running, it is necessary to decide whether to terminate CICS.

Look up the MVS code, if there is one, in the *OS/390 MVS System Codes* manual. Then look up the CICS alphanumeric code. This tells you, for example, whether the error is a program check, an abend, or a runaway, and may give you some guidance concerning user response.

If module *modname* is not crucial to the running of your CICS system, you may decide to continue to run and bring CICS down at a convenient time to resolve the problem.

If you cannot run without the full use of module *modname*, you should bring CICS down in a controlled shutdown.

You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Note: Do not attempt to reroute this message to a transient data queue.

Destination: Console

Modules: DFHTDA, DFHTDB, DFHTDRM, DFHTDOC

XMEOUT Parameters: *applid, aaa/bbbb, X'offset', modname*

DFHTD0002 *applid* **A severe error (code** *X'code'***) has occurred in module** *modname***.**

Explanation: An error has been detected in module *modname*. The code X'*code*' is the exception trace point id which uniquely identifies what the error is and where the error was detected. For further information about CICS exception trace entries, refer to the *CICS Problem Determination Guide*.

System Action: An exception entry (code X'*code*' in the message) is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS continues unless you have specified in the dump table that CICS should terminate. If appropriate, an error return code is sent to the caller of this domain. In this case, CICS could be terminated by the caller (for example, the domain manager, DFHDMDM). A message is issued to this effect.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: The severity of this error depends on the importance of the function being executed at the time of the error.

CICS may not have been terminated.

If the message occurs once and module *modname* is not crucial to the running of your CICS system, you may decide to continue to run and bring CICS down at a convenient time to resolve the problem.

If the message recurs or if you cannot run without the full use of module *modname*, you should bring CICS down in a controlled shutdown.

You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Note: Do not attempt to reroute this message to a transient data queue.

Destination: Console

Modules: DFHTDA, DFHTDB, DFHTDRM, DFHTDOC

XMEOUT Parameters: *applid, X'code', modname*

DFHTD0100I *applid* **Transient Data initialization has started.**

Explanation: This is an informational message indicating that transient data initialization has started.

System Action: System initialization continues.

User Response: None. The message can be suppressed with the system initialization parameter MSGLVL=0.

Note: Do not attempt to reroute this message to a transient data queue.

Destination: Console

Module: DFHTDRP

XMEOUT Parameter: *applid*

DFHTD0101I *applid* **Transient Data initialization has ended.**

Explanation: This is an informational message indicating that transient data initialization has completed successfully.

System Action: System initialization continues.

User Response: None. The message can be suppressed with the system initialization parameter MSGLVL=0.

Note: Do not attempt to reroute this message to a transient data queue.

Destination: Console

Modules: DFHTDRP, DFHTDRM

XMEOUT Parameter: *applid*

DFHTD0102 *applid* **Transient Data initialization has failed.**

Explanation: Transient data initialization has failed.

The SETXIT routine in DFHTDRP has been entered following abnormal termination of the transient data initialization task.

Alternatively an attempt to open the intrapartition data set failed.

System Action: Provided there are no subsequent serious errors which prevent further initialization of CICS, CICS issues one of two messages depending on what other errors, if any, have occurred during initialization.

If DFHSI1521 is issued, CICS initialization is terminated. If DFHSI1522 is issued, decide if CICS initialization is to be continued in degraded mode or to be terminated.

If, as part of a restart of CICS rather than during an initial start or a cold start, the intrapartition data set fails to open successfully when it was successfully opened on the previous CICS run, message DFHSI1521 is issued and CICS is terminated.

User Response: Check previous console messages, one of which should explain why transient data initialization has failed.

Note: Do not attempt to reroute this message to a transient data queue.

Destination: Console

Module: DFHTDRP

XMEOUT Parameter: *applid*

DFHTD0103I *applid* **Transient Data initialization has been suspended pending takeover.**

Explanation: This is an informational message indicating that transient data initialization has been suspended pending takeover. Some transient data initialization can be performed while CICS is operating in standby mode. However the remaining initialization can not be performed until takeover is complete because transient data sets, with the exception of the DFHCXRF data set, are assumed to be passively shared.

System Action: System initialization continues.

User Response: None. The message can be suppressed with the SIT parameter MSGLVL=0.

Note: Do not attempt to reroute this message to a transient data queue.

Destination: Console

Module: DFHTDRP

XMEOUT Parameter: *applid*

DFHTD0104I *applid* **Transient Data initialization has been resumed following takeover.**

Explanation: This is an informational message indicating that transient data initialization has been resumed following takeover.

System Action: System initialization continues.

User Response: None. This message can be suppressed with the system initilization parameter MSGLVL=0.

Note: Do not attempt to reroute this message to a transient data queue.

Destination: Console

Module: DFHTDRP

XMEOUT Parameter: *applid*

DFHTD0105I *applid* **Transient Data intrapartition queues will be initialized empty as EMPTY was specified on the TDINTRA SIT parameter.**

Explanation: This is an informational message indicating that transient data is being initialized with TDINTRA=EMPTY specified on the SIT. This has the effect of initializing all intrapartition TD queues in an empty state. The TDINTRA SIT parameter is ignored during a cold or initial start.

System Action: System initialization continues.

User Response: None. The message can be suppressed with the system initialization parameter MSGLVL=0.

Note: Do not attempt to reroute this message to a transient data queue.

Destination: Console

Module: DFHTDRP

XMEOUT Parameter: *applid*

DFHTD0170 *applid* **The intrapartition data set has been corrupted.**

Explanation: During a warm or emergency restart, CICS has found that the contents of the intrapartition data set are not consistent with that in the DCTEs. The intrapartition data set could have been corrupted.

System Action: CICS terminates after producing a dump and writing an exception trace.

A system dump with dumpcode TD0170 is taken unless you have specifically suppressed dumps in the dump table.

User Response: Reinitialize the intrapartition data set.

Perform a cold start or an initial start of CICS.

Note: Do not attempt to reroute this message to a transient data queue.

Destination: Console

Module: DFHTDRM

XMEOUT Parameter: *applid*

DFHTD0180 *applid* **Unexpected response (code** *X'response'***) and reason (code** *X'reason'***) from a** *dfhxxyym* **call.**

Explanation: A transient data module cannot continue processing following the failure of a *dfhxxyym* call to domain *xx*.

The response (code X'*response*') and reason (code X'*reason*') are those returned from the domain call (that is, *xxyy_response* and *xxyy_reason*).

System Action: This is a critical error and CICS is terminated, even if you have specified in the dump table that CICS should not terminate.

A system dump with dumpcode TD0180 is taken unless you have specifically suppressed dumps in the dump table.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Note: Do not attempt to reroute this message to a transient data queue.

Destination: Console

Modules: DFHTDA, DFHTDB, DFHTDOC, DFHTDRM

XMEOUT Parameters: *applid, X'response', X'reason', dfhxxyym*

DFHTD0182 *applid* **Unexpected response (code** *X'response'***) and reason (code** *X'reason'***) from a** *dfhxxyym* **call.**

Explanation: Module DFHTDRP cannot continue processing following the failure of a *dfhxxyym* call to domain *xx*.

The response (code X'*response*') and reason (code X'*reason*') are those returned from the domain call (that is, *xxyy_response* and *xxyy_reason*).

System Action: This is a critical error.

CICS writes a dump and terminates abnormally.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Note: Do not attempt to reroute this message to a transient data queue.

Destination: Console

Module: DFHTDRP

XMEOUT Parameters: *applid, X'response', X'reason', dfhxxyym*

DFHTD0183 *applid* **Unexpected response (code** *X'response'***) and reason (code** *X'reason'***) from a** *dfhxxyym* **call during processing of intrapartition queue** *queue***.**

Explanation: The trigger level has been reached for intrapartition transient data queue *queue*.

Module DFHTDB or DFHTDRM could not initiate the associated transaction following the response of a *dfhxxyym* call to domain *xx*.

The response (code X'*response*') and reason (code X'*reason*') are those returned from the domain call (that is, *xxyy_response* and *xxyy_reason*).

Initiation of the associated transaction has failed.

System Action: This is probably a CICS logic error.

Each subsequent write to the transient data queue causes another attempt to initiate the transaction, which will fail. However, this message is only issued the first time the error is detected.

CICS writes a dump and continues processing. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Note: Do not attempt to reroute this message to a transient data queue.

Destination: Console

Modules: DFHTDB, DFHTDRM

XMEOUT Parameters: *applid, X'response', X'reason', dfhxxyym, queue*

DFHTD0240 *applid* **Queue** *queue* **(DD name** *ddname***) is full.**

Explanation: No more data can be written to extrapartition queue *queue*.

A system abend, MVS code X'37', has occurred during processing on the data set with ddname *ddname*.

System Action: If the system abend occurs during processing of an EXEC CICS WRITEQ TD command, the NOSPACE condition is returned.

If the system abend occurs during processing of an EXEC CICS SET TDQUEUE CLOSED command, the data set is not closed and the IOERR condition is returned.

Note that a second attempt to close the data set succeeds.

User Response: Consider allocating more space to the data set before you bring CICS up again.

Note: Do not attempt to reroute this message to a transient data queue.

Destination: Console

Modules: DFHTDA, DFHTDOC

XMEOUT Parameters: *applid, queue, ddname*

DFHTD0242 *applid* **Abend** *abcode* **has been detected during processing for queue** *queue* **(DD name** *ddname***).**

Explanation: A system abend, MVS code *abcode*, has occurred during processing on the extrapartition queue *queue* (that is, the data set with ddname *ddname*).

System Action: A system dump with dumpcode TD0242 is taken unless you have specifically suppressed dumps in the dump table.

Since this may not be a critical error, CICS is not terminated, and the IOERROR condition is returned.

User Response: Examine the CICS job log. QSAM issues a message explaining the reason for the system abend. See *OS/390 MVS System Messages* for a description of this message.

Note: Do not attempt to reroute this message to a transient data queue.

Destination: Console

Modules: DFHTDA, DFHTDOC

XMEOUT Parameters: *applid, abcode, queue, ddname*

DFHTD0244 *applid* **An I/O error has occurred during an output operation to an extrapartition dataset for queue** *queue***. (DD name =** *ddname***).**

Explanation: An I/O error has occurred during the processing of an output operation to the extrapartition data set *ddname* on queue *queue*.

System Action: An IOERR condition is returned. Subsequent put requests are returned IOERR.

User Response: Close data set *ddname* via CEMT. If the I/O errors persist after a subsequent open, you probably need to reallocate this data set on a different volume.

Note: Do not attempt to reroute this message to a transient data queue.

Destination: Console

Modules: DFHTDA, DFHTDOC

XMEOUT Parameters: *applid, queue, ddname*

DFHTD0245 *applid* **NOSPACE condition on a PUT to the intrapartition data set (DD name** *ddname***). The RBA of the next CI would have exceeded 2 gigabytes.**

Explanation: An attempt to write to intrapartition transient data set with ddname *ddname* has failed due to a NOSPACE condition. CICS did attempt to extend the data set but the relative byte address (RBA) of the next control interval (CI), if it were added, would have exceeded 2 gigabytes (x'7FFFFFFF').

System Action: The system continues normally.

User Response: Delete unwanted transient data queues from the intrapartition data set.

Note: Do not attempt to reroute this message to a transient data queue.

Destination: Console

Module: DFHTDB

XMEOUT Parameters: *applid, ddname*

DFHTD0246 *applid* **An I/O error has occurred during an input operation to an extrapartition dataset for queue** *queue***. (DD name =** *ddname***).**

Explanation: An I/O error has occurred during the processing of an input operation to the extrapartition data set *ddname* on queue *queue*.

System Action: An IOERR condition is returned. Subsequent put requests are returned IOERR.

User Response: Close data set *ddname* via CEMT. If the I/O errors persist after a subsequent open, you probably need to reallocate this data set on a different volume.

Check the definition of the extrapartition transient data queue. The specification of an invalid blocksize or recordsize may have caused the I/O error.

Note: Do not attempt to reroute this message to a transient data queue.

Destination: Console

Modules: DFHTDA, DFHTDOC

XMEOUT Parameters: *applid, queue, ddname*

DFHTD0250 *applid* **Dynamic allocation of queue** *queue* **failed. Return code** *X'rrrr'*,*X'cccc'* **in module** *module*.

Explanation: While dynamically allocating queue *queue*, CICS transient data issued an MVS DYNALLOC macro. The DYNALLOC failed with return code *cccc*. *rrrr* is the additional return code in register 15.

System Action: CICS continues with queue *queue* closed.

User Response: For the meaning of the DYNALLOC return codes, see the *OS/390 MVS Programming: Authorized Assembler Services Guide*.

Note: Do not attempt to reroute this message to a transient data queue.

Destination: Console

Module: DFHTDOC

XMEOUT Parameters: *applid, queue, X'rrrr', X'cccc', module*

DFHTD0251 *applid* **Dynamic deallocation of queue** *queue* **failed. Return code -** *X'rrrr'*,*X'cccc'* **in module** *module*.

Explanation: While closing queue *queue*, CICS transient data issued the MVS macro, DYNALLOC, to dynamically deallocate the queue. Deallocation failed with the MVS return code, *cccc*. *rrrr* is the return code in register 15.

System Action: CICS continues with the queue closed, but still allocated.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: If you change the DSNAME in the DCTE, and then reopen the queue in the same CICS run, CICS may open the original data set. For an explanation of the MVS return code, see the *OS/390 MVS Programming: Authorized Assembler Services Guide*.

Note: Do not attempt to reroute this message to a transient data queue.

Destination: Console

Module: DFHTDOC

XMEOUT Parameters: *applid, queue, X'rrrr', X'cccc', module*

DFHTD0252 *applid* **Open of queue** *queue* **failed. DSNAME not available from JCL or DCTE. Module** *module*.

Explanation: An attempt by CICS to open queue *queue* failed because neither the JCL nor the DCTE specified the data set name.

CICS transient data has not opened queue *queue*, for the following reasons:

- At initialization time, the startup JCL did not include a DD statement.
- No user-submitted routine allocated the queue dynamically.
- The DCTE does not contain a DSNAME parameter to enable CICS to allocate the file dynamically.

System Action: CICS continues processing with queue *queue* closed.

User Response: Before resubmitting the transaction, supply the data set name in the JCL or the DCTE. You can set the name in the DCTE while CICS is running by using CEDA to correct and reinstall the DCT entry.

Note: Do not attempt to reroute this message to a transient data queue.

Destination: Console

Module: DFHTDOC

XMEOUT Parameters: *applid, queue, module*

DFHTD0340 *applid* **Transaction** *tranid* **initiated when the trigger level is reached for Transient Data queue** *queue* **is defined as REMOTE. The transaction initiation has failed.**

Explanation: The trigger level has been reached for the transient data queue *queue*. The transaction associated with the queue is remote, which is invalid for trigger transactions. The initiation of the transaction has, therefore, failed.

System Action: Until the error is corrected, each subsequent write to the transient data queue causes another attempt to initiate the transaction, which fails. However, in order to avoid filling the log with messages, this message is only issued the first time the error is detected.

User Response: Perform one of the following, as appropriate:

- If the transid in the DCT is incorrect:
  - Amend the DCT, replacing the transid for the queue with a transid that is local, and reassemble, or
  - Use EXEC CICS SET TDQUEUE(*queue*) ATITRANID(*tranid*) to replace the transid for the queue with a local transid. See the *CICS System Programming Reference* for more information.
- If the transaction definition is incorrect, amend the transaction definition using CEDA to make the transaction local.
- Use CEDA to alter the DCTE definition and reinstall.

Note: Do not attempt to reroute this message to a transient data queue.

Destination: Console

Module: DFHTDXM

XMEOUT Parameters: *applid, tranid, queue*

DFHTD0341 *applid* **Transaction** *tranid* **associated with the trigger level for Transient Data queue** *queue* **has not been initiated.**

Explanation: The trigger level has been reached for transient data queue *queue*. Initiation of the associated transaction has failed due to an error in system set up.

System Action: Until the error is corrected, each subsequent write to the transient data queue causes another unsuccessful attempt to initiate the transaction. However, in order to avoid filling the log with messages, this message is only issued the first time the error is detected.

User Response: Check the definition for the queue in the DCT. The queue must have a transaction associated with it that exists, is defined as local, and is installed.

Note: Do not attempt to reroute this message to a transient data queue.

Destination: Console

Modules: DFHTDB, DFHTDRM

XMEOUT Parameters: *applid, tranid, queue*

DFHTD0342 *applid* **Transaction** *tranid* **associated with the trigger level for Transient Data queue** *queue* **has not been scheduled.**

Explanation: The trigger level has been reached for the transient data queue *queue*. The schedule of the associated transaction has failed due to an error in system set up.

System Action: Until the error is corrected, each subsequent write to the transient data queue causes another attempt to schedule the transaction, which fails. However, in order to avoid filling the log with messages, this message is only issued the first time the error is detected.

User Response: Check the following and amend if necessary:

- The queue must have a transaction associated with it that exists, is defined as local, and is installed. The transaction was local since the Remote attributes were not set in the transaction definition, yet the dynamic parm indicated that it could be remote.
- For DESTFAC (destination facility) of SYSTEM or TERMINAL, the named facility must exist, and any required system links must be installed and in service.

Note: Do not attempt to reroute this message to a transient data queue.

Destination: Console

Modules: DFHTDB, DFHTDRM

XMEOUT Parameters: *applid, tranid, queue*

DFHTD0343 *date time applid* **Automatic transaction restart for transaction** *tranid* **processing TD queue** *queue-name* **has failed.**

Explanation: A transaction that was attached when a TD trigger level was reached is ending abnormally and automatic transaction restart was requested for this transaction via the user replaceable module DFHREST. A severe error occurred when CICS attempted to restart the transaction.

System Action: Message DFHAP0002 is issued with a dump for the severe error that caused the restart to fail. Abnormal termination of the transaction for which restart was requested continues. The transaction is not automatically restarted.

The system attempts to reattach the trigger level transaction when the next TD request is received for this TD queue and the trigger level has been reached or exceeded.

User Response: Investigate the reason for the earlier severe error. See message DFHAP0002 for further guidance.

Note: Do not attempt to reroute this message to a transient data queue.

Destination: Console

Module: DFHTDXM

XMEOUT Parameters: *date, time, applid, tranid, queue-name*

DFHTD0360 *applid* **Logical I/O error occurred during a GET request to the intrapartition data set (DD name** *ddname***); VSAM return codes are R15=***X'retcode'***, FDBK=***X'fdbkcode'***.**

Explanation: An attempt to read a control interval from the intrapartition data set with ddname *ddname* has failed due to a logical I/O error. *retcode* is the return code in register 15 and *fdbkcode* is the value of the feedback field in the request parameter list (RPL).

System Action: This is a critical error and CICS is terminated, even if you have specified in the dump table that CICS should not terminate.
A system dump with dumpcode TD0360 is taken unless you have specifically suppressed dumps in the dump table.

User Response: Message DFHME0116 is normally produced containing the symptom string for this problem. For the meaning of the codes in the message, refer to the *DFSMS/MVS Version 1 Release 5 Macro Instructions for Data Sets*.

You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Note: Do not attempt to reroute this message to a transient data queue.

Destination: Console

Modules: DFHTDB, DFHTDRM

XMEOUT Parameters: *applid, ddname, X'retcode', X'fdbkcode'*

DFHTD0361 *applid* **Logical I/O error occurred during a PUT request to the intrapartition data set (DD name** *ddname***); VSAM return codes are R15=***X'retcode'***, FDBK=***X'fdbkcode'***.**

Explanation: An attempt to write or rewrite a control interval to the intrapartition data set with ddname *ddname* has failed due to a logical I/O error. *retcode* is the return code in register 15 and *fdbkcode* is the value of the feedback field in the request parameter list (RPL).

System Action: This is a critical error and CICS is terminated, even if you have specified in the dump table that CICS should not terminate.

A system dump with dumpcode TD0361 is taken unless you have specifically suppressed dumps in the dump table.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: For the meaning of the codes in the message, refer to the *DFSMS/MVS Version 1 Release 5 Macro Instructions for Data Sets*.

You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Note: Do not attempt to reroute this message to a transient data queue.

Destination: Console

Modules: DFHTDB, DFHTDRM

XMEOUT Parameters: *applid, ddname, X'retcode', X'fdbkcode'*

DFHTD0362 *applid* **Physical I/O error occurred during a GET request to the intrapartition data set (DD name** *ddname***); VSAM return codes are R15=***X'retcode'***, FDBK=***X'fdbkcode'***.**

Explanation: An attempt to read a control interval from the intrapartition data set with ddname *ddname* has failed due to a physical I/O error. *retcode* is the return code in register 15 and *fdbkcode* is the value of the feedback field in the request parameter list (RPL).

System Action: A system dump with dumpcode TD0362 is taken unless you have specifically suppressed dumps in the dump table.

This is a critical error and CICS is terminated, even if you have specified in the dump table that CICS should not terminate.

User Response: For the meaning of the codes in the message, refer to the *DFSMS/MVS Version 1 Release 5 Macro Instructions for Data Sets*.

A copy of the physical error message produced by VSAM appears in (one of) the transient data VSAM error message area(s) in the system dump.

Note: Do not attempt to reroute this message to a transient data queue.

Destination: Console

Modules: DFHTDB, DFHTDRM

XMEOUT Parameters: *applid, ddname, X'retcode', X'fdbkcode'*

DFHTD0363 *applid* **Physical I/O error occurred during a PUT request to the intrapartition data set (DD name** *ddname***); VSAM return codes are R15=***X'retcode'***, FDBK=***X'fdbkcode'***.**

Explanation: An attempt to write or rewrite a control interval to the intrapartition data set with ddname *ddname* has failed due to a physical I/O error. *retcode* is the return code in register 15 and *fdbkcode* is the value of the feedback field in the request parameter list (RPL).

System Action: A system dump with dumpcode TD0363 is taken unless you have specifically suppressed dumps in the dump table.

This is a critical error and CICS is terminated, even if you have specified in the dump table that CICS should not terminate.

User Response: For the meaning of the codes in the message, refer to the *DFSMS/MVS Version 1 Release 5 Macro Instructions for Data Sets*.

A copy of the physical error message produced by VSAM will appear in (one of) the transient data VSAM error message area(s) in the system dump.

Note: Do not attempt to reroute this message to a transient data queue.

Destination: Console

Modules: DFHTDB, DFHTDRM

XMEOUT Parameters: *applid, ddname, X'retcode', X'fdbkcode'*

DFHTD0380 *applid* **Illegal attempt to read control interval 0 for the intrapartition data set (DD name** *ddname***).**

Explanation: Control interval 0 in the intrapartition data set is reserved for transient data control information. The remaining control intervals are allocated to hold data for queues as determined by transient data processing on behalf of application program requests.

An invalid attempt has been made to read control interval 0 for the intrapartition data set with ddname *ddname*.

System Action: This is a critical error and CICS is terminated, even if you have specified in the dump table that CICS should not terminate.

A system dump with dumpcode TD0380 is taken unless you have specifically suppressed dumps in the dump table.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Each intrapartition DCTE contains pointers which, if the queue is not empty, are relative byte addresses (RBAs) associated with the intrapartition data set with *ddname*.

Furthermore each allocated control interval, apart from the first, contains one or more user records as well as a queue control record. This latter record, the first in the control interval, contains the forward chain pointer or RBA for the next control interval containing data for the queue.

In each case, transient data assumes that RBAs address record boundaries within the intrapartition data set.

The assumption can be violated in several ways. The type of violation may be determined from:

- a control interval print of the intrapartition data set, or
- using Access Method Services, or
- using the system dump.

Violations include:

- THE WRONG INTRAPARTITION DATA SET WAS USED
  If the wrong data set has been used, that is, the data set used for this CICS start up was not used for the previous CICS start up, then it is highly probable that most of the RBAs in the DCTEs will not address record boundaries in the intrapartition data set.
  A cold start or an initial start of CICS must be carried out.
- THE INTRAPARTITION DATA SET WAS ALTERED
  If the records have been moved, possibly through data set compression, then it is highly probable that control interval 0 will contain more than one record and that most of the RBAs in the DCTEs will not address record boundaries in the intrapartition data set.
  A cold start or an initial start of CICS must be carried out.
- A DCTE WAS CORRUPTED
  If a DCTE has been corrupted, it is highly probable that just one or two RBAs will not address record boundaries in the intrapartition data set.
  A specialized trap may be required to identify the offending program.

  CICS may be restarted. An emergency restart for transient data will result in the RBAs being reconstructed from the system log and the intrapartition data set.

  If an activity keypoint was taken between the occurrence of the error and its detection, it may prove necessary for a cold start or an initial start of CICS to be carried out.
- AN I/O BUFFER WAS CORRUPTED

If an I/O buffer has been corrupted, it is highly probable one of the RBAs in the DCTE will not address record boundaries in the I/O buffer.
A specialized trap may be required to identify the offending program.

CICS may be restarted. An emergency restart for transient data results in the RBAs being reconstructed from the system log and the intrapartition data set.

Note: If the contents of the I/O buffer were written to the intrapartition data set between the occurrence of the error and its detection, it may prove necessary to perform a cold start or an initial start of CICS.

- A CICS LOGIC ERROR OCCURRED You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Note: Do not attempt to reroute this message to a transient data queue.

Destination: Console

Modules: DFHTDB, DFHTDRM

XMEOUT Parameters: *applid, ddname*

DFHTD0381 *applid* **Invalid attempt to (re)write control interval 0 for the intrapartition data set (DD name** *ddname***).**

Explanation: Control interval 0 in the intrapartition data set is reserved for transient data control information; the remaining control intervals are allocated to hold data for queues as determined by transient data processing on behalf of application program requests.

An invalid attempt has been made to (re)write control interval 0 for the intrapartition data set with ddname *ddname*.

System Action: This is a critical error and CICS is terminated, even if you have specified in the dump table that CICS should not terminate.

A system dump with dumpcode TD0381 is taken unless you have specifically suppressed dumps in the dump table.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Refer to message DFHTD0380.

Note: Do not attempt to reroute this message to a transient data queue.

Destination: Console

Modules: DFHTDB, DFHTDRM

XMEOUT Parameters: *applid, ddname*

DFHTD0382 *applid* **The output pointer for queue** *qqqq* **does not match the contents of the intrapartition data set (DD name** *ddname***).**

Explanation: The output pointer for queue *qqqq* does not address a record boundary within the intrapartition data set with ddname *ddname*.

System Action: This is a critical error and CICS is terminated, even if you have specified in the dump table that CICS should not terminate.
A system dump with dumpcode TD0382 is taken unless you have specifically suppressed dumps in the dump table.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Refer to message DFHTD0380.

Note: Do not attempt to reroute this message to a transient data queue.

Destination: Console

Modules: DFHTDB, DFHTDRM

XMEOUT Parameters: *applid, qqqq, ddname*

DFHTD0383 *applid* **The input pointer for queue** *qqqq* **does not match the contents of the intrapartition data set (DD name** *ddname***).**

Explanation: The input pointer for queue *qqqq* does not address a record boundary within the intrapartition data set with ddname *ddname*.

System Action: This is a critical error and CICS is terminated, even if you have specified in the dump table that CICS should not terminate.

A system dump with dumpcode TD0383 is taken unless you have specifically suppressed dumps in the dump table.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Refer to message DFHTD0380.

Note: Do not attempt to reroute this message to a transient data queue.

Destination: Console

Modules: DFHTDB, DFHTDRM

XMEOUT Parameters: *applid, qqqq, ddname*

DFHTD0384 *applid* **A forward chain pointer for queue** *qqqq* **does not match the contents of the intrapartition data set (DD name** *ddname***).**

Explanation: A forward chain pointer for queue *qqqq* is invalid with respect to the intrapartition data set with ddname *ddname*.

System Action: This is a critical error and CICS is terminated, even if you have specified in the dump table that CICS should not terminate.
A system dump with dumpcode TD0384 is taken unless you have specifically suppressed dumps in the dump table.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Refer to message DFHTD0380.

Note: Do not attempt to reroute this message to a transient data queue.

Destination: Console

Modules: DFHTDB, DFHTDRM

XMEOUT Parameters: *applid, qqqq, ddname*

DFHTD0385 *applid* **Invalid attempt to allocate/deallocate CI 0 for the intrapartition data set (DD name** *ddname***).**

Explanation: Control interval (CI) 0 in the intrapartition data set, *ddname*, is reserved for transient data control information. The remaining control intervals are allocated to hold data for queues as determined by transient data processing on behalf of application program requests.

System Action: System dump TD0385 is taken unless you have specifically suppressed dumps in the dump table.

This is a critical error. CICS is terminated even if you have specified in the dump table that CICS should not terminate.

User Response: Refer to the **User Response** of message DFHTD0380.

Note: Do not attempt to reroute this message to a transient data queue.

Destination: Console

Modules: DFHTDB, DFHTDRM

XMEOUT Parameters: *applid, ddname*

DFHTD0401 *date time applid terminal userid tranid* **TDQUEUE entry for** *queuename* **has been deleted.**

Explanation: This is an audit log message indicating that transient data queue entry *tdqueuename* has been deleted from the DCT using the DISCARD command. Where:

- *terminal* is the netname or termid of the terminal associated with the transaction issuing the message. If there is no terminal associated with the transaction, the terminal name is suppressed.
- *userid* is the user identifier of the user associated with the transaction issuing the message.
- *tranid* is the transaction issuing the message.

System Action: The system continues normally.

User Response: None.

Destination: CSQL

Module: DFHTDTM

XMEOUT Parameters: *date, time, applid, terminal, userid, tranid, queuename*

DFHTD0402 *date time applid terminal userid tranid* **TDQUEUE entry for** *tdqueuename* **has been added.**

Explanation: This is an audit log message indicating that transient data queue entry *tdqueuename* has been added to the DCT using the INSTALL command Where:

- *terminal* is the netname or termid of the terminal associated with the transaction issuing the message. If there is no terminal associated with the transaction, the terminal name is suppressed.
- *userid* is the user identifier of the user associated with the transaction issuing the message.
- *tranid* is the transaction issuing the message.

System Action: The system continues normally.

User Response: None.

Destination: CSQL

Module: DFHTDTM

XMEOUT Parameters: *date, time, applid, terminal, userid, tranid, tdqueuename*

DFHTD0403 *date time applid terminal userid tranid* **TDQUEUE entry for** *tdqueuename* **has been replaced.**

Explanation: This is an audit log message indicating that transient data queue entry *tdqueuename* has been replaced in the DCT using the INSTALL command. Where:

- *terminal* is the netname or termid of the terminal associated with the transaction issuing the message. If there is no terminal associated with the transaction, the terminal name is suppressed.
- *userid* is the user identifier of the user associated with the transaction issuing the message.
- *tranid* is the transaction issuing the message.

System Action: The system continues normally.

User Response: None.

Destination: CSQL

Module: DFHTDTM

XMEOUT Parameters: *date, time, applid, terminal, userid, tranid, tdqueuename*

DFHTD1210 *applid* **DCT index in error,** *xxxx* **failed**

Explanation: While carrying out operation *xxxx* (INSTALL) CICS found an error in the destination control table (DCT) index. This message is either issued on cold or initial starts when transient data is installing entries detailed in the macro load module, or on warm or emergency restarts when transient data is installing entries from the global catalog. The most likely reasons for this error are:

1. Storage violation.

   An application program has overwritten the index,

   or

2. CICS logic error

   The CICS table mapping program, DFHTMP, created the index incorrectly. **or**

3. Corrupt global catalog entries

   The global catalog has been corrupted.

System Action: CICS writes a dump. The transaction abnormally terminates with abend code ATDY and message DFHSI1522 is issued.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Respond GO or CANCEL to message DFHSI1522.

The *CICS Data Areas* gives the format of the DCT index entries, under TMDEL and TMSKT. Find these entries in the dump and find the invalid data, which may help you to decide if the problem is caused by a storage violation or a CICS error.

Look at the contents of the global catalog, to determine if the catalog entry has been corrupted for the DCTE that is failing to install.

Assuming that the error is a storage violation, and that you have activated the trace facility, find in the trace the unsuccessful attempt to access the DCT by DFHTDP. Then find the last preceding successful access. You have now narrowed the search to programs that were running between these two accesses. Examine these programs for an error that could cause a storage violation.

If you have not activated trace, but you can recreate the error, activate trace, recreate the error, and proceed as in the previous paragraph.

Note: Do not attempt to reroute this message to a transient data queue.

Destination: Console

Module: DFHTDRP

XMEOUT Parameters: *applid, xxxx*

DFHTD1212 *applid* **Unrecognizable entry found in the DCT**

Explanation: During initialization, CICS found an unrecognizable entry in the destination control table (DCT). This means that the loaded DCT is in error – either a DFHDCT macro was coded incorrectly, or the output of the macro assembly was corrupted.

System Action: CICS ignores the unrecognizable DCT entry **and all subsequent DCT entries**, and continues initialization.

User Response: Depending on how many DCT entries CICS has ignored, you may have almost all or very few transient data destinations available in the initialized run. You must decide whether or not to terminate CICS. To solve the problem permanently, remove or replace the invalid DCT entry.

Note: Do not attempt to reroute this message to a transient data queue.

Destination: Console

Module: DFHTDRP

XMEOUT Parameter: *applid*

DFHTD1217 *applid* **Unable to install entry** *xxxx* **into the DCT.**

Explanation: During a cold or initial start, CICS was unable to add a particular entry to the destination control table (DCT) for destination *xxxx*. The definition was provided in a DCT load module which was produced using the DFHDCT assembler macro.

System Action: CICS ignores the definition and continues initialization.

User Response: The cause of this install failure may be indicated in earlier messages issued from the transient data (TD) component. It may be the result of a failure to open the DFHINTRA data set, or a security error associated with any userid included in the definition. In the latter case, it is possible to create an RDO definition for the entry, with the correct userid, once CICS has initialized, and then to install it using the CEDA transaction.

Note: Do not attempt to reroute this message to a transient data queue.

Destination: Console

Module: DFHTDRP

XMEOUT Parameters: *applid, xxxx*

DFHTD1221 *applid* **DCT not restored,** *xxxx* **failed**

Explanation: During a warm start, while carrying out operation *xxxx* (STARTBROWSE, GETNEXT or ENDBROWSE), the transient data recovery program (DFHTDRP) found an error in the destination control table (DCT) catalog.

The most likely reasons for this error are I/O errors in the catalog data set, or a logic error in the CICS module, DFHCCCC.

System Action: CICS writes a dump. The transaction abnormally terminates with abend code ATDY and message DFHSI1522 is issued.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Respond GO or CANCEL to message DFHSI1522.

Determine and correct the I/O errors on the catalog data set. If you cannot restore the catalog data set, or suspect that there might be a CICS logic error in DFHCCCC, you will need further assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Note: Do not attempt to reroute this message to a transient data queue.

Destination: Console

Module: DFHTDRP

XMEOUT Parameters: *applid, xxxx*

DFHTD1260 *applid* **No DD statement for intrapartition data set** *ddname*

Explanation: CICS is unable to open the intrapartition data set *ddname* because no DD statement has been provided.

System Action: During a cold or initial start, TD initialization continues until any DCT macro entries have been processed. Any intrapartition entries found are not installed and message DFHTD1217 is issued for each install failure encountered. At the end of TD initialization, message DFHTD0102 is issued. If no other initialization errors occur, message DFHSI1522 is issued.

For all other starts, TD checks the catalog to see if DFHINTRA had opened successfully on the previous CICS run. If it did, initialization is terminated. If it did not, TD initialization continues normally.

User Response: During a cold or initial start, respond GO or CANCEL to message DFHSI1522.

Modify the CICS JCL to add a DD statement defining the intrapartition data set (DFHINTRA).

Note: Do not attempt to reroute this message to a transient data queue.

Destination: Console

Module: DFHTDRP

XMEOUT Parameters: *applid, ddname*

DFHTD1261 *applid* **Intrapartition data set** *ddname* **not defined as VSAM ESDS**

Explanation: CICS is unable to open the intrapartition data set *ddname* because it is not defined as VSAM ESDS.

System Action: During a cold or initial start, TD initialization continues until any DCT macro entries have been processed. Any intrapartition entries found are not installed and message DFHTD1217 is issued for each install failure encountered. At the end of TD initialization, message DFHTD0102 is issued. If no other initialization errors occur, message DFHSI1522 is issued.

For all other starts, TD checks the catalog to see if DFHINTRA had opened successfully on the previous CICS run. If it did, initialization is terminated. If it did not, TD initialization continues normally.

User Response: On a cold or initial start, respond GO or CANCEL to message DFHSI1522.

Recreate the intrapartition data set as a VSAM ESDS and restart CICS.

Note: Do not attempt to reroute this message to a transient data queue.

Destination: Console

Module: DFHTDRP

XMEOUT Parameters: *applid, ddname*

DFHTD1262 *applid* **Intrapartition data set** *ddname* **not formatted**

Explanation: The intrapartition data set *ddname* is not formatted (it is empty). Initial formatting is done (if necessary) when CICS is cold or initial started.

System Action: CICS continue to initialize until the destination control table has been completed. Any intrapartition definitions being read from the global catalogue will fail to install because of the original failure. When DFHTDRP completes its processing, CICS writes a dump. The transaction abnormally terminates with abend code ATDY and message DFHSI1522 is issued.

User Response: Respond GO or CANCEL to message DFHSI1522.

Perform a cold or initial start when CICS is next brought up.

Note: Do not attempt to reroute this message to a transient data queue.

Destination: Console

Module: DFHTDRP

XMEOUT Parameters: *applid, ddname*

DFHTD1263 *applid* **Invalid control record for Intrapartition data set** *ddname*

Explanation: The intrapartition data set *ddname* was not initialized for intrapartition transient data. The most likely reason for this is data corruption by:

- VSAM export and import
- DFHSM migration and recall.

System Action: CICS writes a dump. The transaction abnormally terminates with abend code ATDY and message DFHSI1522 is issued.

User Response: Respond GO or CANCEL to message DFHSI1522.

Reinitialize the intrapartition data set.

Note: Do not attempt to reroute this message to a transient data queue.

Destination: Console

Module: DFHTDRP

XMEOUT Parameters: *applid, ddname*

DFHTD1271 *applid* **VSAM error processing SHOWCB for intrapartition data set** *ddname***, R15=***retcode*

Explanation: VSAM has detected an error during SHOWCB processing for the intrapartition data set *ddname* with VSAM return code *retcode*.

System Action: CICS writes a dump. The transaction abnormally terminates with abend code ATDY and message DFHSI1522 is issued.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Respond GO or CANCEL to message DFHSI1522.

Check the return code in the *DFSMS/MVS Version 1 Release 5 Macro Instructions for Data Sets*.

Note: Do not attempt to reroute this message to a transient data queue.

Destination: Console

Module: DFHTDRP

XMEOUT Parameters: *applid, ddname, retcode*

DFHTD1272 *applid* **VSAM error processing OPEN for Intrapartition data set** *ddname***, R15=***retcode***, RC=***errorcode*

Explanation: VSAM has detected an error during OPEN processing for the intrapartition data set *ddname*. *retcode* is the VSAM return code and *errorcode* is the VSAM error code.

System Action: CICS writes a dump, then attempts to continue with initialization. If a cold or initial start is taking place, any entries found in a DCT load module are installed, except for any intrapartition entries. If any of these are found, message DFHTD1217 is issued for each install failure. When TDRP completes its processing message DFHTD0102 is issued followed by message DFHSI1522.

For all other types of start, if DFHINTRA had failed during the previous run of CICS, processing continues as normal. If DFHINTRA was open on the previous run, CICS terminates.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: On a cold or initial start, respond GO or CANCEL to message DFHSI1522.

Check the return code and error code in the *DFSMS/MVS Version 1 Release 5 Macro Instructions for Data Sets*.

Note: Do not attempt to reroute this message to a transient data queue.

Destination: Console

Module: DFHTDRP

XMEOUT Parameters: *applid, ddname, retcode, errorcode*

DFHTD1273 *applid* **VSAM error processing CLOSE for intrapartition data set** *ddname***, R15=***retcode*

Explanation: VSAM has detected an error during CLOSE processing for the intrapartition data set *ddname*. *retcode* is the VSAM return code.

System Action: CICS writes a dump, then attempts to continue with initialization. If a cold or initial start is taking place, any entries found in a DCT load module are installed, except for any intrapartition entries. If any of these are found, message DFHTD1217 is issued for each install failure. When TDRP completes its processing message DFHTD0102 is issued followed by message DFHSI1522.

For all other types of start, if DFHINTRA had failed during the previous run of CICS, processing continues as normal. If DFHINTRA was open on the previous run, CICS terminates.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: For a cold or initial start, respond GO or CANCEL to message DFHSI1522.

Check the return code in the *DFSMS/MVS Version 1 Release 5 Macro Instructions for Data Sets*.

Note: Do not attempt to reroute this message to a transient data queue.

Destination: Console

Module: DFHTDRP

XMEOUT Parameters: *applid, ddname, retcode*

DFHTD1274 *applid* **VSAM error processing PUT for intrapartition data set** *ddname***, R15=***retcode***, RC=***errorcode*

Explanation: VSAM has detected an error during PUT processing for the intrapartition data set *ddname*. *retcode* is the VSAM return code and *errorcode* is the VSAM error code.

System Action: CICS writes a dump. The transaction abnormally terminates with abend code ATDY and message DFHSI1522 is issued.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Respond GO or CANCEL to message DFHSI1522.

Check the return code and error code in the *DFSMS/MVS Version 1 Release 5 Macro Instructions for Data Sets*.

Note: Do not attempt to reroute this message to a transient data queue.

Destination: Console

Module: DFHTDRP

XMEOUT Parameters: *applid, ddname, retcode, errorcode*

DFHTD1275 *applid* **VSAM error processing GET for intrapartition data set** *ddname***, R15=***retcode***, RC=***errorcode*

Explanation: VSAM has detected an error during GET processing for the intrapartition data set *ddname*. *retcode* is the VSAM return code and *errorcode* is the VSAM error code.

System Action: CICS writes a dump. The transaction abnormally terminates with abend code ATDY and message DFHSI1522 is issued.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Respond GO or CANCEL to message DFHSI1522.

Check the return code and error code in the *DFSMS/MVS Version 1 Release 5 Macro Instructions for Data Sets*.

Note: Do not attempt to reroute this message to a transient data queue.

Destination: Console

Module: DFHTDRP

XMEOUT Parameters: *applid, ddname, retcode, errorcode*

DFHTD1278 *applid* **An error occurred during initialization of intrapartition queue** *queuename* **for userid** *userid***. The queue has not been added to the Destination Control Table.**

Explanation: Transient data initialization detected an error with userid *userid* during installation of the intrapartition queue for automatic transaction initiation.

The specified userid is not valid for use by this CICS job for non-terminal transactions initiated by the transient data trigger.

There may be a previous message which gives the cause of this error.

System Action: Transient data initialization continues.

The intrapartition queue definition is not added to the destination control table.

User Response: Notify the system programmer.

If the userid is invalid, correct the userid specified in the resource definition for the intrapartition queue.

If the userid is valid, ensure that it can be used by non-terminal transactions that are initiated by trigger for the intrapartition queue. See the *CICS RACF Security Guide* for guidance.

Note: Do not attempt to reroute this message to a transient data queue.

Destination: Console

Module: DFHTDTM

XMEOUT Parameters: *applid, queuename, userid*

DFHTD1279 *applid* **Unexpected response (code** *X'response'***) and reason (code** *X'reason'***) from a** *dfhxxyym* **call.**

Explanation: Module DFHTDTM detected the failure of a *dfhxxyym* call to domain *xx* while attempting to install an intrapartition entry containing a USERID.

The response (code X'*response*') and reason (code X'*reason*') are those returned from the domain call (that is, *xxyy_response* and *xxyy_reason*).

This can be due to a CICS logic error.

System Action: If the error occurred during transient data initialization, this process will continue if possible. If processing cannot continue then a dump will be taken and an abend ATDY is issued.

User Response: Refer to earlier messages and the dump produced by domain *xx*.

You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Note: Do not attempt to reroute this message to a transient data queue.

Destination: Console

Module: DFHTDTM

XMEOUT Parameters: *applid, X'response', X'reason', dfhxxyym*

DFHTD1280 *applid* **An attempt to establish security has failed for userid** *userid***. SAF codes are (***X'safresp'***,***X'safreas***). ESM codes are (***X'esmresp'***,***X'esmreas***).**

Explanation: An attempt was made to establish security for userid *userid*. The attempt was rejected by the external security manager (ESM).

System Action: Security has not been established for the userid.

User Response: The response and reason codes (*safresp* and *safreas*) returned by the system authorization facility (SAF), and the response and reason codes (*esmresp* and *esmreas*) returned by the external security manager (ESM) are those issued by the RACROUTE REQUEST=VERIFY or RACROUTE REQUEST=EXTRACT macros. These return codes are described in the *OS/390 MVS Programming: Authorized Assembler Services Guide* and in *External Security Interface (RACROUTE) Macro Reference for MVS and VM* (SC28-1366). See these manuals for an explanation of the codes.

There may be further messages produced by CICS or the external security manager (ESM) which provide more information.

Note: Do not attempt to reroute this message to a transient data queue.

Destination: Console

Module: DFHTDTM

XMEOUT Parameters: *applid, userid, X'safresp', X'safreas', X'esmresp', X'esmreas'*

DFHTFxxxx messages

DFHTF0001 *applid* **An abend (code** *aaa/bbbb***) has occurred at offset** *X'offset'* **in module** *modname***.**

Explanation: An abnormal end (abend) or program check has occurred in module *modname*. This implies that there may be an error in the CICS code. Alternatively, unexpected data has been input, or storage has been overwritten.

The code *aaa/bbbb* is a 3-digit hexadecimal MVS code (if applicable), followed by a 4-digit alphanumeric CICS code. The MVS code is a system completion code (for example, 0C1 or D37). If an MVS code is not applicable, this field is filled with three hyphens. The CICS code is an abend code or a number referring to a CICS message (for example, AKEA is a CICS abend code; 1310 refers to message DFHTS1310).

System Action: An exception entry is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS continues unless you have specified in the dump table that CICS should terminate. In some circumstances CICS is terminated directly if the error occurred in a crucial XM domain module.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: If CICS is still running, it is necessary to decide whether to terminate CICS.

Look up the MVS code, if there is one, in the relevant MVS codes manual which is detailed in the book list in the front of this manual.

Next, look up the CICS alphanumeric code in this manual.

If module *modname* is not crucial to the running of your CICS system, you may decide to continue to run and bring CICS down at a convenient time to resolve the problem.

If you cannot run without the full use of module *modname* you should bring CICS down in a controlled shutdown.

You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Modules: DFHTFIQ, DFHZSUP, DFHTFRF, DFHTFAL, DFHTFXM

XMEOUT Parameters: *applid, aaa/bbbb, X'offset', modname*

DFHTF0002 *applid* **A severe error (code** *X'code'***) has occurred in module** *modname***.**

Explanation: An error has been detected in module *modname*. The code X'*code*' is the exception trace point id which uniquely identifies what the error is and where the error was detected.

System Action: An exception entry (code X'*code*' in the message) is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table. CICS continues unless you have specified in the dump table that CICS should terminate. In some circumstances CICS is terminated directly if the error is critical.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: This indicates a possible error in CICS code. The severity of its impact depends on the importance of the function being executed at the time of the error.

CICS may not have been terminated. If the message occurs once and module *modname* is not crucial to the running of your CICS system, you may decide to continue to run and bring CICS down at a convenient time to resolve the problem.

If the message recurs or if you cannot run without the full use of module *modname*, you should bring CICS down in a controlled shutdown.

You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Modules: DFHTFIQ, DFHZSUP, DFHTFRF, DFHTFAL

XMEOUT Parameters: *applid, X'code', modname*

DFHTF0100 *date time applid nnnn* **AIDs canceled for terminal** *termid***.** *nnnn* **AIDs remain.**

Explanation: AIDs queuing for terminal *termid* have been canceled. This could be due to the terminal being deleted, or as a result of an SPI or CEMT SET TERMINAL(*termid*) CANCEL command. Any AIDs remaining after this operation are also enumerated in this message. For programming information about CICS SET TERMINAL, see the *CICS System Programming Reference*. For information about the equivalent CEMT command, see the *CICS Supplied Transactions*.

System Action: Requests represented as AIDs queuing for the terminal have been purged from the system.

User Response: None.

Destination: CSMT

Module: DFHALP

XMEOUT Parameters: *date, time, applid, nnnn, termid, nnnn*

DFHTF0101 *date time applid nnnn* **AIDs** *{canceled | force-canceled}* **for connection** *conname***.** *nnnn* **AIDs remain.**

Explanation: AIDs queuing for connection *conname* have been canceled or force-canceled. This could be due to connection reinstall, or as a result of a SPI or CEMT SET CONNECTION(*conname*) CANCEL or FORCECANCEL command. Any AIDs remaining after this operation are also enumerated in this message. See the *CICS System Programming Reference* for more information.

System Action: Requests represented as AIDs queuing for the connection will have been purged from the system.

User Response: None.

Destination: CSMT

Module: DFHALP

XMEOUT Parameters: *date, time, applid, nnnn, {1=canceled, 2=force-canceled}, conname, nnnn*

DFHTIxxxx messages

DFHTI0001 *applid* **An abend (code** *aaa/bbbb***) has occurred at offset** *X'offset'* **in module** *modname***.**

Explanation: An abnormal end (abend) or program check has occurred in module *module*. This implies that there may be an error in CICS code. Alternatively, unexpected data has been input, or storage has been overwritten.

The code *aaa/bbbb* is a three digit hexadecimal MVS code (if applicable), followed by a four digit alphanumeric CICS code. The MVS code is a system completion code (for example, 0C1 or D37). If an MVS code is not applicable, this field is filled with three hyphens. The CICS code is an abend code or a number referring to a CICS message (for example, AKEA is a CICS abend code; 1310 refers to message DFHTS1310).

Message DFHME0116 is normally produced containing the symptom string for this problem.

System Action: An exception entry is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS continues unless you have specified in the dump table that CICS should terminate. If appropriate, an error return code is sent to the caller of this domain. In this case, CICS could be terminated by the caller (for example the domain manager, DFHDMDM). A message is issued to this effect.

User Response: Notify the system programmer. If CICS is still running, it is necessary to decide whether to terminate CICS.

Look up the MVS code, if there is one, in the relevant MVS codes manual which is detailed in the book list in the front of this manual. Next, look up the CICS alphanumeric code in this manual. This tells you, for example, whether the error was a program check, an abend, or a runaway, and may give you some guidance concerning user response.

If module *modname* is not crucial to the running of your CICS system, you may decide to continue to run and bring CICS down at a convenient time to resolve the problem.

If you cannot run without the full use of module *modname* you should bring CICS down in a controlled shutdown.

You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Modules: DFHTISR, DFHTIDM

XMEOUT Parameters: *applid, aaa/bbbb, X'offset', modname*

DFHTI0004 *applid* **A possible loop has been detected at offset** *X'offset'* **in module** *modname***.**

Explanation: A CICS function is taking more time to process than CICS expects. A possible loop has been detected in module *modname* at offset X'*offset*'. This is the offset of the instruction which was executing at the time when the error was detected.

Message DFHME0116 is normally produced containing the symptom string for this problem.

System Action: An exception entry is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS continues unless you have specified in the dump table that CICS should terminate. If appropriate, an error return code is sent to the caller of this domain. In this case, CICS could be terminated by the caller (for example the domain manager, DFHDMDM). A message is issued to this effect.

User Response: If CICS has not been terminated, it is necessary to decide whether the problem is serious enough to bring CICS down.

Since some CICS functions can use a lot of processor time, this message may have been caused by a long-running function. So there may not be an error here. Usually, CICS purges a CICS function which exceeds the runaway task time interval which you have specified in the SIT (this is the ICVR which is measured in milliseconds). This means that module *modname* is terminated and CICS continues.

But if you have declared ICVR=0 in the SIT and you consider that module *modname* has gone into a loop, you have to terminate CICS in order to terminate the runaway function.

If CICS has terminated module *modname* and you consider that it was not a runaway, you should increase the ICVR time interval in the SIT. You have to bring CICS down at a suitable time to do this permanently. But you can change the ICVR time interval temporarily online, using the CEMT transaction.

If raising the ICVR time does not solve the problem, you will need further assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Modules: DFHTISR, DFHTIDM

XMEOUT Parameters: *applid, X'offset', modname*

DFHTI0005 *applid* **A hardware error has occurred (module** *modname***, code** *X'code'***). The Time-of-Day clock is invalid.**

Explanation: An error has occurred during the running of module *modname*. The MVS Store Clock facility is the timing mechanism for the operating system.

The code X'*code*' is the exception trace point id which uniquely identifies the place where the error was detected.

Message DFHME0116 is normally produced containing the symptom string for this problem.

System Action: An exception entry (code X'*code*' in the message) is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS continues if possible, unless you have specified in the dump table that CICS should terminate. If appropriate, an error return code is sent to the caller of this domain. In this case, CICS could be terminated by the caller (for example the domain manager, DFHDMDM). A message is issued to this effect.

User Response: If CICS is still running, it is necessary to decide whether to terminate CICS. First, investigate the MVS Store Clock and find out whether it is working properly. If this is the cause, you should take the appropriate action to have it repaired or replaced.

In the unlikely event that this is not a hardware problem, you will need further assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Modules: DFHTISR, DFHTIDM

XMEOUT Parameters: *applid, modname, X'code'*

DFHTMxxxx messages

DFHTM1703 *applid product* **is being terminated by userid** *userid* **in transaction** *tranid{at netname | at terminal }terminal***.**

Explanation: This message is issued after a PERFORM SHUT IMMEDIATE request.

System Action: The termination process continues.

User Response: None.

Destination: Console and Terminal End User

Module: DFHSTP

XMEOUT Parameters: *applid, product, userid, tranid, {1= at netname , 2= at terminal }, terminal*

DFHTM1707I *applid* **Program DFHWKP cannot be found. No warm keypoint taken.**

Explanation: CICS cannot take a warm keypoint because the CICS module, DFHWKP, cannot be found in any data set concatenated in the DFHRPL DD statement in the CICS startup job stream.

System Action: CICS passes control to the user phase 1 PLT program.

User Response: None.

Destination: Console

Module: DFHSTP

XMEOUT Parameter: *applid*

DFHTM1709I *applid* **About to link to PLT programs.**

Explanation: DFHSTP is about to link to the user PLT program PLTSD parameter in the system initialization table.

System Action: Control is passed to the user PLT programs.

User Response: None.

Destination: Console

Module: DFHSTP

XMEOUT Parameter: *applid*

DFHTM1710I *applid* **Control returned from PLT programs.**

Explanation: Control is returned to DFHSTP to continue system termination.

System Action: Control is returned to DFHSTP.

User Response: None.

Destination: Console

Module: DFHSTP

XMEOUT Parameter: *applid*

DFHTM1711I *applid* **About to link to phase 2 PLT programs.**

Explanation: DFHSTP is about to link to the phase 2 PLT programs as defined by the PLTSD parameter in the system initialization table.

System Action: CICS passes control to the phase 2 user PLT programs.

User Response: None.

Destination: Console

Module: DFHSTP

XMEOUT Parameter: *applid*

DFHTM1712I *applid* **Control returned from phase 2 PLT programs.**

Explanation: CICS returns control to DFHSTP so that system shutdown may continue.

System Action: CICS returns control to DFHSTP.

User Response: None.

Destination: Console

Module: DFHSTP

XMEOUT Parameter: *applid*

DFHTM1715 *applid product* **is being quiesced by userid** *userid* **in transaction** *tranid{at netname | at terminal }terminal***.**

Explanation: This message is issued after a PERFORM SHUT request.

System Action: Quiesce of CICS continues.

User Response: None.

Destination: Console and Terminal End User

Module: DFHSTP

XMEOUT Parameters: *applid, product, userid, tranid, {1= at netname , 2= at terminal }, terminal*

DFHTM1752 *applid* **PLT - program** *progname* **not available.**

Explanation: The program list table (PLT) specified for shutdown contains program *progname*, but CICS is unable to link to the program because one of the following has occurred:

- An executable copy of the program could not be brought into storage.
- The installed definition for the program is disabled.
- There is no installed definition for the program.

System Action: CICS termination continues without executing program *progname*.

User Response: In the next execution, check that each program specified in the PLT is contained as a data set concatenated to the DFHRPL DD statement in the startup job stream, and ensure that the program is defined and enabled.

Destination: Console

Module: DFHSTP

XMEOUT Parameters: *applid, progname*

DFHTM1780 *applid* **Abend has occurred while processing program** *progname* **during termination, code=***abcode***.**

Explanation: Program *progname* specified in the program list table (PLT) for shutdown has abnormally terminated. *abcode* is the abend code.

System Action: Control is passed to the next program specified in the PLT and a CICS dump is supplied for review.

User Response: Refer to abend code *abcode* for further information about the error. Try and correct program *progname*.

Destination: Console

Module: DFHSTP

XMEOUT Parameters: *applid, progname, abcode*

DFHTM1781 *applid* **CICS shutdown cannot complete because some non-system user tasks have not terminated.**

Explanation: This message is issued during shutdown of the CICS session and indicates that one or more CICS tasks are still active, thereby delaying the successful termination of CICS.

System Action: CICS shutdown waits until the active task or tasks are successfully terminated.

If the default shutdown transaction (CESD) is active, it attempts, after a delay, to purge and backout all active tasks. This usually leads to a successful termination of CICS within a few minutes without operator intervention.

User Response: If the default shutdown transaction (CESD) is not active, determine which CICS tasks are still running, using the CEMT INQUIRE TASK command, and take whatever steps are necessary to terminate them.

Destination: Console

Module: DFHSTP

XMEOUT Parameter: *applid*

DFHTM1782I *applid* **All non-system tasks have been successfully terminated.**

Explanation: This message is issued during shutdown of the CICS session after successful termination by the user of any active tasks which had previously prevented termination.

System Action: CICS shutdown continues normally.

User Response: None

Destination: Console

Module: DFHSTP

XMEOUT Parameter: *applid*

DFHTM1783 *applid* **CICS shutdown cannot complete because a system task which prevents normal shutdown has not terminated.**

Explanation: This message is issued during shutdown of the CICS session and indicates that CICS system transaction CLS1 is still active, thereby preventing the successful termination of CICS.

System Action: CICS shutdown waits until the active task is successfully terminated.

User Response: Determine, what is delaying the CLS1 transaction (for example the other CICS job or system being hung), and take whatever steps are necessary to resolve the situation.

Destination: Console

Module: DFHSTP

XMEOUT Parameter: *applid*

DFHTM1784 *applid* **The user shutdown assist transaction** *tranid* **cannot be started.**

Explanation: This message is issued during CICS shutdown and indicates that the user shutdown assist transaction specified on the system initialization table (SIT), or on the CEMT or EXEC CICS PERFORM SHUTDOWN SDTRAN option could not be started.

System Action: CICS shutdown continues without starting a shutdown assist transaction.

User Response: Do one of the following:

- Determine why the shutdown transaction could not start.
- Change or remove the SIT SDTRAN option.
- Change or remove the CEMT or EXEC CICS PERFORM SHUTDOWN SDTRAN option.

Destination: Console and Terminal End User

Module: DFHSTP

XMEOUT Parameters: *applid, tranid*

DFHTM1785 *date time applid* **The user shutdown assist transaction** *tranid* **cannot be started.**

Explanation: This message is issued during CICS shutdown and indicates that the user shutdown assist transaction specified on the system initialization table (SIT), or on the CEMT or EXEC CICS PERFORM SHUTDOWN SDTRAN option could not be started.

System Action: A TRANIDERR is returned and CICS shutdown is not performed.

User Response: Do one of the following:

- Correct the shutdown transaction definition.
- Change or remove the SIT SDTRAN option.
- Change or remove the CEMT or EXEC CICS PERFORM SHUTDOWN SDTRAN option.

Destination: CSMT

Module: DFHEIPSH

XMEOUT Parameters: *date, time, applid, tranid*

DFHTM1797 *applid* **System termination program has abended.**

Explanation: While terminating CICS, the CICS system termination program DFHSTP has abnormally terminated.

System Action: CICS terminates abnormally with a system dump.

User Response: Try to find out why DFHSTP terminated. If you cannot resolve the problem, keep the dump and contact your IBM Support Center.

Destination: Console

Module: DFHSTP

XMEOUT Parameter: *applid*

DFHTM1798 *applid* **Requested dump in progress.**

Explanation: This message is issued when CICS is terminated before the requested dump has started.

System Action: CICS produces a system dump and shutdown continues.

User Response: None.

Destination: Console

Module: DFHSTP

XMEOUT Parameter: *applid*

DFHTOxxxx messages

DFHTO6000 E *date time applid* **The definition for TERMINAL** *termdef* **refers to an undefined TYPETERM** *termtype***.**

Explanation: While installing a GRPLIST during initialization, or while executing a CEDA CHECK, a CEDA INSTALL, or an EXEC CICS CREATE command, CICS detected a TERMINAL definition (*termdef*) that referenced an nonexistent TYPETERM definition (*termtype*).

System Action: The TERMINAL is not installed.

User Response: Correct the TERMINAL definition or define the named TYPETERM.

Destination: CSMT

Module: DFHTOR

XMEOUT Parameters: *date, time, applid, termdef, termtype*

DFHTO6001 E *date time applid* **The definition for pooled TERMINAL** *termdef* **refers to an undefined TYPETERM** *termtype***.**

Explanation: While installing a GRPLIST during initialization, or while executing a CEDA CHECK, a CEDA INSTALL, or an EXEC CICS CREATE command, CICS detected a TERMINAL definition (*termdef*) that referenced a nonexistent TYPETERM definition (*termtype*).

System Action: The TERMINAL is not installed.

User Response: Correct the TERMINAL definition or define the named TYPETERM.

Destination: CSMT

Module: DFHTOR

XMEOUT Parameters: *date, time, applid, termdef, termtype*

DFHTO6002 E *date time applid* **The definition for SESSIONs** *sesdef* **refers to an undefined CONNECTION** *condef***.**

Explanation: While installing a GRPLIST during initialization, or while executing a CEDA CHECK, a CEDA INSTALL, or an EXEC CICS CREATE command, CICS detected a SESSIONS definition (*sesdef*) that referenced a nonexistent CONNECTION definition (*condef*).

System Action: The SESSIONS definition is not installed.

User Response: Correct the SESSIONS definition or define the named CONNECTION.

Destination: CSMT

Module: DFHTOR

XMEOUT Parameters: *date, time, applid, sesdef, condef*

DFHTO6003 E *date time applid* **TERMINAL** *termdef* **specifies CONSOLE or CONSNAME but refers to TYPETERM** *termtype* **which does not specify DEVICE=CONSOLE.**

Explanation: While installing a GRPLIST during initialization, or while executing a CEDA CHECK, a CEDA INSTALL, or an EXEC CICS CREATE command, CICS detected a TERMINAL definition (*termdef*), specified with CONSOLE=*nn* or CONSNAME=*name*, which referred to a TYPETERM definition (*termtype*) specified without DEVICE=CONSOLE.

System Action: The TERMINAL definition is not installed. (The TYPETERM definition is installed and may be referred to by other compatible TERMINAL definitions).

User Response: Correct the TERMINAL or TYPETERM definition.

Destination: CSMT

Module: DFHTOR

XMEOUT Parameters: *date, time, applid, termdef, termtype*

DFHTO6004 E *date time applid* **TERMINAL** *termdef* **does not specify CONSOLE but refers to TYPETERM** *termtype* **which specifies DEVICE=CONSOLE.**

Explanation: While installing a GRPLIST during initialization, or while executing a CEDA CHECK, a CEDA INSTALL, or an EXEC CICS CREATE command, CICS detected a TERMINAL definition (*termdef*), specified with CONSOLE=NO, which referred to a TYPETERM definition (*termtype*) specified with DEVICE=CONSOLE.

System Action: The TERMINAL definition is not installed. (The TYPETERM definition is installed and may be referred to by other compatible TERMINAL definitions).

User Response: Correct the TERMINAL or TYPETERM definition.

Destination: CSMT

Module: DFHTOR

XMEOUT Parameters: *date, time, applid, termdef, termtype*

DFHTO6005 E *date time applid* **PRINTER or ALTPRINTER for TERMINAL** *termdef* **is invalid for the DEVICE specified in TYPETERM** *termtype***.**

Explanation: While installing a GRPLIST during initialization, or while executing a CEDA CHECK, a CEDA INSTALL, or an EXEC CICS CREATE command, CICS detected a TERMINAL definition (*termdef*) specified with PRINTER or ALTPRINTER or both, which referred to a TYPETERM definition (*termtype*) that did not specify one of these DEVICEs: 3270, 3275, 3270P, LUTYPE2, or LUTYPE3.

System Action: The TERMINAL definition is not installed. (The TYPETERM definition is installed and may be referenced by other compatible TERMINAL definitions).

User Response: Correct the TERMINAL or TYPETERM definition.

Destination: CSMT

Module: DFHTOR

XMEOUT Parameters: *date, time, applid, termdef, termtype*

DFHTO6006 E *date time applid* **PRINTERCOPY or ALTPRINTCOPY for TERMINAL** *termdef* **is invalid for the DEVICE specified in TYPETERM** *termtype***.**

Explanation: While installing a GRPLIST during initialization, or while executing a CEDA CHECK, a CEDA INSTALL, or an EXEC CICS CREATE command, CICS detected incompatible TERMINAL and TYPETERM definitions. The TERMINAL definition *termdef* specified PRINTERCOPY or ALTPRINTCOPY or both, but referred to a TYPETERM definition *termtype* which specified an LUTYPE2 or LUTYPE3 device.

System Action: The TERMINAL definition is not installed. (The TYPETERM definition is installed and may be referenced by other compatible TERMINAL definitions).

User Response: Correct the TERMINAL or TYPETERM definition.

Destination: CSMT

Module: DFHTOR

XMEOUT Parameters: *date, time, applid, termdef, termtype*

DFHTO6007 E *date time applid* **AUTINSTMODEL YES|ONLY for TERMINAL** *termdef* **is invalid for the DEVICE specified in TYPETERM** *termtype***.**

Explanation: While installing a GRPLIST during initialization, or while executing a CEDA CHECK, a CEDA INSTALL, or an EXEC CICS CREATE command, CICS detected a TERMINAL definition (*termdef*) specified with AUTINSTMODEL=[YES|ONLY], which referred to a TYPETERM definition (*termtype*) that specified DEVICE=3614|TLX|TWX, or was a PIPELINE terminal.

System Action: The TERMINAL definition is not installed. (The TYPETERM definition is installed and may be referenced by other compatible TERMINAL definitions).

User Response: Correct the TERMINAL or TYPETERM definition.

Destination: CSMT

Module: DFHTOR

XMEOUT Parameters: *date, time, applid, termdef, termtype*

DFHTO6009 E *date time applid* **The definition for SESSIONs** *sesdef* **refers to CONNECTION** *condef* **which specifies a different PROTOCOL.**

Explanation: While installing a GRPLIST during initialization, or while executing a CEDA CHECK, a CEDA INSTALL, or an EXEC CICS CREATE command, CICS detected a SESSIONS definition (*sesdef*) that referred to a CONNECTION definition (*condef*) that specified a different PROTOCOL.

System Action: The SESSIONS definition is not installed.

User Response: Correct the SESSIONS or CONNECTION definition.

Destination: CSMT

Module: DFHTOR

XMEOUT Parameters: *date, time, applid, sesdef, condef*

DFHTO6010 E *date time applid* **The definition for SESSIONs** *sesdef* **must specify PROTOCOL LU61 as it refers to an MRO CONNECTION** *condef***.**

Explanation: While installing a GRPLIST during initialization, or while executing a CEDA CHECK, a CEDA INSTALL, or an EXEC CICS CREATE command, CICS detected a SESSIONS definition (*sesdef*), specified without LU61, which referred to a CONNECTION definition (*condef*) that specified ACCESSMETHOD={IRC|XM} (MRO).

System Action: The SESSIONS definition is not installed.

User Response: Correct the SESSIONS or CONNECTION definition.

Destination: CSMT

Module: DFHTOR

XMEOUT Parameters: *date, time, applid, sesdef, condef*

DFHTO6011 E *date time applid* **SESSIONs** *sesdef* **must specify both SENDCOUNT and RECEIVECOUNT as it refers to an MRO CONNECTION** *condef***.**

Explanation: While installing a GRPLIST during initialization, or while executing a CEDA CHECK, a CEDA INSTALL, or an EXEC CICS CREATE command, CICS detected a SESSIONS definition (*sesdef*), specified with either SENDCOUNT=0 or RECEIVECOUNT=0, which referred to a CONNECTION definition (*condef*) that specified ACCESSMETHOD={IRC|XM} (MRO).

System Action: The SESSIONS definition is not installed.

User Response: Correct the SESSIONS or CONNECTION definition.

Destination: CSMT

Module: DFHTOR

XMEOUT Parameters: *date, time, applid, sesdef, condef*

DFHTO6012 *date time applid* **The catalog dataset is not available. RDO function is restricted.**

Explanation: During initialization for a cold or initial start, CICS could not find the global catalog data set.

System Action: CICS continues, but with the following restrictions to RDO function:

- A TYPETERM definition must be in the same group as the TERMINAL definitions that refer to it.
- AUTOINSTALL is not available, because the MODEL definitions cannot be stored.

User Response: If you wish to avoid the above restrictions to RDO function in future CICS runs, create a global catalog data set and make it available to CICS in the DFHGCD DD statement of the CICS startup job stream.

Destination: CSMT

Module: DFHTORP

XMEOUT Parameters: *date, time, applid*

DFHTO6013 E *date time applid* **No SESSIONs definition refers to CONNECTION** *condef***.**

Explanation: During installation of a GRPLIST at initialization time, during CEDA INSTALL of a GROUP, a CHECK, or an EXEC CICS CREATE command, a CONNECTION definition was detected that had no valid SESSIONS definitions. This is valid only for INDIRECT or REMOTE connections.

System Action: The CONNECTION is not installed.

If the reason for the failure is one or more invalid SESSIONS definitions, CICS issues another message which identifies the incorrect definition(s). If the reason was a missing SESSIONS definition, this is the only message.

User Response: Correct the CONNECTION definition, create a SESSIONS definition, or correct existing SESSIONS definition(s), as appropriate.

Destination: CSMT

Module: DFHTOR

XMEOUT Parameters: *date, time, applid, condef*

DFHTO6014 E *date time applid* **POOL is required for TERMINAL** *termdef* **as it refers to TYPETERM** *typedef* **which specifies SESSIONTYPE=PIPELINE.**

Explanation: An attempt has been made to install a terminal whose TYPETERM specified SESSIONTYPE=PIPELINE, but whose terminal definition did not specify POOL.

System Action: CICS initialization continues, but TERMINAL *termdef* is not installed.

User Response: Correct the TERMINAL definition, or the TYPETERM definition.

Destination: CSMT

Module: DFHTOR

XMEOUT Parameters: *date, time, applid, termdef, typedef*

DFHTO6015 E *date time applid* **TRANSACTION for TERMINAL** *termdef* **is invalid for the DEVICE specified in TYPETERM** *typedef***.**

Explanation: An attempt has been made to install a TERMINAL definition which specified TRANSACTION, but referred to a TYPETERM specifying device APPC.

System Action: CICS initialization continues, but TERMINAL *termdef* is not installed.

User Response: Correct the TERMINAL definition, or the TYPETERM definition.

Destination: CSMT

Module: DFHTOR

XMEOUT Parameters: *date, time, applid, termdef, typedef*

DFHTO6016 E *date time applid* **The MRO CONNECTION** *condef* **is referenced by more than one SESSIONs definition, including** *sesdef***.**

Explanation: When installing a GRPLIST during initialization, or while executing a CEDA CHECK, a CEDA INSTALL, or an EXEC CICS CREATE command, CICS has detected a CONNECTION definition *condef* that specified ACCESSMETHOD=(IRC|XM), which implies that it is an MRO connection. This CONNECTION was then referenced by more than one SESSIONS definition, one of which was *sesdef*. An MRO connection must only have one SESSIONS definition referencing it. Other SESSION definition names that reference this CONNECTION are listed in further occurrences of this message.

System Action: The CONNECTION definition is not installed.

User Response: Correct the CONNECTION definition or the SESSIONS definitions.

Destination: CSMT

Module: DFHTOR

XMEOUT Parameters: *date, time, applid, condef, sesdef*

DFHTO6017 E *date time applid* **REMOTESYSTEM for TERMINAL '***termid***' is invalid for the DEVICE specified in TYPETERM '***typeterm***'.**

Explanation: When installing a GRPLIST during initialization, or while executing a CEDA CHECK, a CEDA INSTALL, or an EXEC CICS CREATE command, CICS detected a CONSOLE that was defined as remote. This is an invalid option.

System Action: The CONSOLE is not installed.

User Response: Correct the CONSOLE that is defined as remote.

Destination: CSMT

Module: DFHTOR

XMEOUT Parameters: *date, time, applid, termid, typeterm*

DFHTO6018 E *date time applid* **TERMINAL '***termid***' refers to TYPETERM '***typeterm***' which has an invalid ALTSCREEN.**

Explanation: A TYPETERM definition includes an invalid ALTSCREEN. ALTSCREEN has two components; width and height. One of these components is zero while the other is nonzero. This is an invalid combination. CICS has detected this problem in a TERMINAL definition while installing a GRPLIST during initialization, or while executing a CEDA CHECK, a CEDA INSTALL, or an EXEC CICS CREATE command.8

System Action: The TERMINAL definition is not installed.

User Response: Correct the TYPETERM that is referenced or reference a different TYPETERM in the TERMINAL definition. See the *CICS Resource Definition Guide* for details of valid ALTSCREEN values.

Destination: CSMT

Module: DFHTOR

XMEOUT Parameters: *date, time, applid, termid, typeterm*

DFHTO6019 E *date time applid* **User** *userid* **is not authorized to install TERMINAL** *tttt* **with preset security.**

Explanation: User *userid* was attempting to install TERMINAL *tttt* but the userid does not have sufficient authority. This is because the TERMINAL has preset security (the definition for TERMINAL *tttt* specifies a USERID value). Installing a resource with preset security requires special authorization.

System Action: Resource security violation messages are logged to the CSCS transient data queue and to the system console. The resource is not installed. CICS continues.

User Response: In order to install this resource, do one of the following:

- Use the CESN transaction to sign on with a userid that is permitted to install TERMINALs with preset security.
- Ask your security administrator to authorize user *userid* to install terminals with preset security.
- Remove the USERID specification from the resource definition and install the resource without preset security.

Destination: CSMT

Module: DFHTOATM

XMEOUT Parameters: *date, time, applid, userid, tttt*

DFHTO6020 E *date time applid* **SESSIONS** *sesdef* **refers to single-session CONNECTION** *condef* **but has an invalid MAXIMUM option specified.**

Explanation: The value specified for the MAXIMUM option in the SESSIONS definition *sesdef* is incompatible with the CONNECTION definition *condef* because *condef* is defined as single-session. This was detected when *sesdef* referred to *condef* during installation of a GRPLIST at initialization, during CEDA INSTALL of a GROUP, or following a CHECK command, or during an EXEC CICS CREATE.

When a SESSION definition refers to a single-session CONNECTION definition, the value of the MAXIMUM option should be *(1,0)*.

System Action: The SESSIONS definition is not installed.

User Response: There are two ways to solve this problem:

- Correct the SESSIONS definition by specifying MAXIMUM(1,0) using either CEDA or the CSD batch update utility DFHCSDUP.
- Redefine the CONNECTION definition so that it is no longer single-session by specifying SINGLESESS=NO.

Destination: CSMT

Module: DFHTOR

XMEOUT Parameters: *date, time, applid, sesdef, condef*

DFHTO6022 E *date time applid* **TERMINAL** *termdef* **specifies DCEATTACHSEC ACCEPTED or REQUIRED but TYPETERM** *termtype* **does not specify RECOVOPTION=NONE.**

Explanation: While installing a GRPLIST during initialization, or while executing a CEDA CHECK, a CEDA INSTALL, or an EXEC CICS CREATE command, CICS has detected that TERMINAL definition *termdef*, specified with DCEATTACHSEC=ACCEPTED or DCEATTACHSEC=REQUIRED, refers to the TYPETERM definition *termtype* which is specified without RECOVOPTION=NONE.

System Action: The invalid TERMINAL is not installed.

User Response: Correct the TERMINAL or TYPETERM definition.

Destination: CSMT

Module: DFHTOR

XMEOUT Parameters: *date, time, applid, termdef, termtype*

DFHTO6023 E *date time applid* **Connection definition @BCH detected. Batch shared database connections are not supported.**

Explanation: While installing a GRPLIST during initialization, or while executing a CEDA CHECK, a CEDA INSTALL, or an EXEC CICS CREATE command, CICS detected a CONNECTION definition named @BCH. In previous releases this connection definition was reserved for use with batch shared database support, and allowed zero send sessions to be defined for an IRC connection. CICS Transaction Server for OS/390 Release 3 does not support batch shared database and does not allow the associated sessions definition to specify zero send sessions.

System Action: Installation of @BCH sessions fails.

User Response: Remove the SESSIONS and CONNECTION definitions for batch shared database.

Destination: CSMT

Module: DFHTOR

XMEOUT Parameters: *date, time, applid*

DFHTO6025 E *date time applid* **The definition for LU6.1 SESSIONs** *sesdef* **specifies a send or receive count with no prefix.**

Explanation: While installing a GRPLIST during initialization, or while executing a CEDA CHECK, a CEDA INSTALL, or an EXEC CICS CREATE command, CICS detected an LU6.1 SESSIONS definition (*sesdef*) that specified a send count with no send prefix or a receive count with no receive prefix. Prefixes must be specified for LU6.1.

System Action: The SESSIONS definition is not installed.

User Response: Correct the definition referred to in the message.

Destination: CSMT

Module: DFHTOR

XMEOUT Parameters: *date, time, applid, sesdef*

DFHTPxxxx messages

DFHTP4101 Cannot reset from temporary paging to autopaging.

Explanation: A terminal requested that it be reset from temporary paging status to autopaging status. However, the terminal is defined as a paging terminal, or the message is marked to state that the operator must purge it.

System Action: Other processing continues.

User Response: If the terminal is defined as a purging terminal, use the master terminal program to change the status of the terminal.

If the message is so marked, the operator must purge the message. The system then automatically resets the status to autopaging.

Destination: Terminal End User

Module: DFHTPR

DFHTP4102 *nnnn* **messages are queued for immediate delivery.**

Explanation: The operator requested the *nnnn* messages to be delivered via the page retrieve command queue.

System Action: The count of messages queued for this operator or terminal is displayed.

User Response: None.

Destination: Terminal End User

Module: DFHTPR

DFHTP4103 Attempting to PURGE, COPY or CHAIN, but no pages are currently connected to this terminal.

Explanation: There are currently no tasks attached to this terminal.

System Action: Other processing continues.

User Response: None.

Destination: Terminal End User

Module: DFHTPR

DFHTP4104 A paging request was received but there are no pages for display.

Explanation: The CICS paging command (CSPG) or a request for paging was entered from a terminal in transaction status, but there are no pages to be displayed at the terminal.

System Action: Other processing continues.

User Response: None.

Destination: Terminal End User

Module: DFHTPR

DFHTP4105 The specified message is not recognized.

Explanation: The terminal operator tried to retrieve or purge a specific message using a message identifier (rather than the current or next available message). However, the specified message does not exist, or is not destined for this terminal.

System Action: Other processing continues.

User Response: None.

Destination: Terminal End User

Module: DFHTPR

DFHTP4106 You are not allowed to RETRIEVE or PURGE this message.

Explanation: The terminal operator tried to retrieve or purge a specific message using a message identifier (rather than the current or next available message). However, the specified message is not destined for this operator identifier.

System Action: Other processing continues.

User Response: None.

Destination: Terminal End User

Module: DFHTPR

DFHTP4107 Chain value *chain* is less than 1 or greater than the level of chaining allowed.

Explanation: The chain value, *chain*, as indicated by the page retrieval command, is either less than one or is greater than the level of chaining at that terminal.

System Action: Other processing continues.

User Response: None.

Destination: Terminal End User

Module: DFHTPR

DFHTP4108 Requested page *pageno* does not exist (it is less than 1 or more than the number of pages in the message).

Explanation: The page *pageno*, as indicated by the page retrieval command, is either less than one or is greater than the number of pages in the message. This can be caused, for example, by requesting the previous page after the first page, or the next page after the last page.

System Action: Other processing continues.

User Response: The paging session can be continued with a valid page value. The last valid page displayed is still the current page. For example, to recall the last valid page displayed, execute the page retrieval command used to get a current page.

Destination: Terminal End User

Module: DFHTPR

DFHTP4109 The requested command *command* was not recognized. Check that you have the correct value.

Explanation: Transaction CSPG was entered at the terminal, but what follows cannot be identified as a paging command. *command* represents the first four nonblank characters after CSPG.

System Action: Other processing continues.

User Response: None.

Destination: Terminal End User

Module: DFHTPR

DFHTP4110 *function* is not valid. Page RETRIEVE function must be A, C, L, N, P, Q, or a number.

Explanation: The page retrieve function represented by *function* is not one of the following: A, C, L, N, P, Q, or a number that may be preceded by a + (plus) or a – (minus) sign, where:

Function	Meaning
A	All logical messages destined for and being displayed on that terminal.
C	The current (level) logical message.
L	The last page.
N	The next page.
P	The previous page.
Q	(Query) display the identifier of all logical messages destined for this terminal. If the message is security protected, its identifier is displayed only if the operator identifier and class for the signed-on operator match those in the message. The identifier consists of 1-to-6-digit hexadecimal number, and optionally, a message title.

System Action: Other processing continues.

User Response: Use a valid page retrieve function.

Destination: Terminal End User

Module: DFHTPR

DFHTP4111 *function* is not valid. Page PURGE function must be A, B, C, H, or R.

Explanation: The page purge function represented by *function* is not A, B, C, H, or R. The functions have the following meanings.

Function	Meaning
A	All logical messages destined for and being displayed on that terminal.
B	The logical message being displayed on that terminal and all logical messages chained to it.
C	The current (level) logical message.
H	All logical messages chained to the base logical message being displayed on that terminal.
R	All logical messages queued for immediate delivery (routed) to the terminal.

System Action: Other processing continues.

User Response: Use a valid page purge function.

Destination: Terminal End User

Module: DFHTPR

DFHTP4112 The terminal identifier *termid* is unknown or is not supported.

Explanation: The terminal identifier represented by *termid* does not exist or is not supported under basic mapping support (BMS).

System Action: Other processing continues.

User Response: Use a valid terminal identifier.

Destination: Terminal End User

Module: DFHTPR

DFHTP4113 *date time applid msgno termtype pageno* I/O error on MCR or Page (MODULE NAME: *modname*).

Explanation: While attempting to retrieve a message control record (MCR) or page of a message, a temporary storage I/O error occurred. *msgno* represents the message number in hexadecimal; *termtype* is the terminal type; *pageno* is zero if the error occurred for the MCR, or is the page number. The message or page noted may be lost for this and/or other terminals.

System Action: If pages are being displayed at an autopaging terminal, the next page if any is displayed. Otherwise no action takes place.

User Response: None.

Destination: CSMT

Module: DFHTPQ

XMEOUT Parameters: *date, time, applid, msgno, termtype, pageno, modname*

DFHTP4114 You must purge messages from the terminal before issuing a new transaction.

Explanation: While messages were being displayed at the terminal, the operator entered data that was not a paging command, either in error or to initiate a new transaction. However, at least one of the messages on the terminal is marked that the operator must specifically purge it before initiating a new transaction.

System Action: Other processing continues.

User Response: Purge all messages being displayed at this terminal (T/A), or chain the desired transaction using the chaining command.

Destination: Terminal End User

Module: DFHTPR

DFHTP4115 You must purge the message from your terminal to continue.

Explanation: A transaction is displaying pages at the terminal. Before the operator can continue with the transaction, the message must be purged.

System Action: Other processing continues.

User Response: Purge the current message (T/C).

Destination: Terminal End User

Module: DFHTPR

DFHTP4116 Your message request cannot be done while another message is being displayed.

Explanation: While viewing a message, the operator entered a request for a specific message (for example, P/1,*xxx*) or requested the message identifiers of messages waiting to be displayed (P/Q). CICS cannot service this request while another message is being displayed. *xxx* is the message identifier of one of the messages waiting to be displayed.

System Action: Other processing continues.

User Response: If desired, reenter the request when there are no messages being displayed at the terminal.

Destination: Terminal End User

Module: DFHTPR

DFHTP4117 Purge display % after viewing.

Explanation: The operator at a 3270 has requested a display of message identifiers waiting to be displayed. The reply is constructed as one or more pages stored in temporary storage and can be viewed like any page message. *%* is the page number indicator.

System Action: Other processing continues.

User Response: Purge the message when viewing is complete.

Destination: Terminal End User

Module: DFHTPR

DFHTP4118 An ID error occurred while retrieving a Message Control Record (MCR) or Message Page. Message *bmsid*, terminal type *termtype*, page *pageno*.

Explanation: CICS was trying to retrieve page *pageno* of a message from temporary storage when an identifier error was received.

Alternatively, if page *pageno* is equal to zero, CICS could have been trying to retrieve a message control record (MCR) when the identifier error was received. The probable cause of the error is that temporary storage was cold started after the message was scheduled or after the message was saved. Otherwise the message had already been purged.

The insert *bmsid* is the BMS logical message identifier, which is a unique hexadecimal identifier used in the generation of a TS key for saving this page or message. The insert *termtype* identifies the terminal type.

System Action: The message or page may be lost. Other processing continues.

User Response: None.

Destination: Terminal End User

Module: DFHTPR

DFHTP4119 An invalid request on Message Control Record (MCR) or Page Retrieval has occurred. Message *bmsid*, terminal type *termtype*, page *pageno*.

Explanation: CICS was trying to store or retrieve page *pageno* of a message when a temporary storage invalid request occurred. Alternatively, CICS could have been trying to store or retrieve a message control record (MCR) if the page *pageno* equaled zero when the temporary storage invalid error was received.

The message or page may be lost. The probable cause is that temporary storage was not loaded. *bmsid* is the BMS logical message identifier, which is a unique hexadecimal identifier used in

the generation of a TS key for saving this page or message. *termtype* is the terminal type.

System Action: Other processing continues.

User Response: Ensure that the temporary storage program is loaded.

Destination: Terminal End User

Module: DFHTPR

DFHTP4120 Unable to interpret input. Please try again.

Explanation: The operator entered data that could not be interpreted.

System Action: Input is discarded.

User Response: Verify that input is valid under existing conditions.

Destination: Terminal End User

Module: DFHTPR

DFHTP4121 An I/O error occurred while retrieving a message control record or message page. Message *bmsid***, terminal type** *termtype***, page** *pageno***.**

Explanation: CICS was trying to retrieve page *pageno* of a message when a temporary storage I/O error occurred. Alternatively, CICS could have been trying to store or retrieve a message control record (MCR) if the page *pageno* equaled zero when the temporary storage I/O error occurred.

The message or page may be lost. *bmsid* is the BMS logical message identifier, which is a unique hexadecimal identifier used in the generation of a TS key for saving this page or message. *termtype* is the terminal type.

System Action: If pages are being displayed at an autopaging terminal, the next page, if any, is displayed. Otherwise no action takes place.

User Response: None.

Destination: Terminal End User

Module: DFHTPR

DFHTP4122 Requested purge completed successfully.

Explanation: CICS has completed a page purge function requested from the terminal.

System Action: Processing continues.

User Response: None.

Destination: Terminal End User

Module: DFHTPR

DFHTP4123 Terminal is now Autopaging.

Explanation: The terminal operator has requested that CICS reset a terminal that is temporarily in paging status, to autopaging status.

System Action: The rest of the pages in the message are displayed. If there are none left and the message can be purged automatically, it is purged.

User Response: None.

Destination: Terminal End User

Module: DFHTPR

DFHTP4124 Page copied from terminal *termid* **(Message number** *msgno***).**

Explanation: This message appears in the display of messages waiting to be displayed (P/Q) and identifies a copied page. *msgno* is the message number of the copied page and *termid* is the terminal for which it is queued.

System Action: Processing continues.

User Response: None.

Destination: Terminal End User

Module: DFHTPR

DFHTP4126 *msgno* **has been copied.**

Explanation: This message is issued in response to a request to copy to another terminal. *msgno* is the message number of the message being displayed.

System Action: Processing continues.

User Response: None.

Destination: Terminal End User

Module: DFHTPR

DFHTP4127 *nnnn* **must be a number. Please try again.**

Explanation: The characters *nnnn* are not valid. The system expected a decimal value for a page or chain number, or a hexadecimal value for a message number.

System Action: Other processing continues.

User Response: Reenter the paging command. Use a valid number.

Destination: Terminal End User

Module: DFHTPR

DFHTP4128 *command* **is undefined for page retrieval.**

Explanation: After a page retrieval (PR) session had been started, the operator pressed a PA or PF key for which no PR command had been defined in the SIT.

System Action: The command is ignored. The display status bit is not altered.

User Response: Ensure that the PR command in question is defined in the SIT.

Destination: Terminal End User

Module: DFHTPR

DFHTP4130 You have used an unrecognized logical device. The valid names are *xxx,yyy***.**

Explanation: A paging command containing an invalid logical device mnemonic was entered. *xxx,yyy,...* indicates the valid logical device mnemonics for the requested logical message.

System Action: Input is discarded and other processing continues.

User Response: Reenter the paging command with a logical device mnemonic chosen from those listed in the message.

Destination: Terminal End User

Module: DFHTPR

DFHTP4131 Requested page cannot be copied to that terminal.

Explanation: The operator has tried to copy a page that refers to an outboard format:

- To a terminal that does not support outboard formats, or
- To a terminal that does support outboard formats, but which has a different page width or a smaller page depth than the source terminal.

System Action: The paging request is ignored.

User Response: Carry out whichever one of the following is appropriate:

- Copy the offending page to a terminal that supports outboard formatting
- Make the referenced format nonoutboard
- Copy the offending page to a terminal that does support outboard formatting and which has a page size the same as that of the source terminal.

Destination: Terminal End User

Module: DFHTPR

DFHTP4132 No pages have been built for this partition.

Explanation: This an information message issued during a page retrieval session. It appears in a screen partition for which no pages have been built.

System Action: Processing continues.

User Response: None, unless a display was expected in the affected partition. In this case, check for an operator or application error.

Destination: Terminal End User

Module: DFHTPR

DFHTP4133 *date time applid bmsid termtype pageno* **ID error on MCR or page.**

Explanation: CICS was trying to retrieve page *pageno* of a message when an identifier error was received. Alternatively, CICS could have been trying retrieve a message control record (MCR) if the page *pageno* equaled zero when the identifier error was received. The message or page may be lost.

The probable cause is that temporary storage was cold-started after the message was scheduled or saved, or the message has already been purged.

bmsid is the BMS logical message identifier, which is a unique hexadecimal identifier used in the generation of a TS key for saving this page/message. *termtype* is the terminal type.

System Action: Other processing continues.

User Response: None.

Destination: CSMT

Module: DFHTPQ

XMEOUT Parameters: *date, time, applid, bmsid, termtype, pageno*

DFHTP4134 *date time applid bmsid termtype pageno* **Invalid request on MCR or page.**

Explanation: CICS was trying to store or retrieve page *pageno* of a message when a temporary storage invalid request error occurred. Alternatively, CICS could have been trying to store or retrieve a message control record (MCR) if the page *pageno* equaled zero when the temporary storage invalid request error occurred. The message or page may be lost.

The probable cause is that temporary storage was not loaded.

bmsid is the BMS logical message identifier, which is a unique hexadecimal identifier used in the generation of a TS key for saving this page/message. *termtype* is the terminal type.

System Action: Other processing continues.

User Response: Ensure that the temporary storage program is loaded.

Destination: CSMT

Module: DFHTPQ

XMEOUT Parameters: *date, time, applid, bmsid, termtype, pageno*

DFHTP4150 *date time applid* **ID error on MCR.**

Explanation: During processing of a delayed delivery message a temporary storage identification error occurred. The message is lost for all destination terminals. Temporary storage was probably cold started after the message was originally scheduled.

System Action: Other processing continues.

User Response: None.

Destination: CSMT

Module: DFHTPS

XMEOUT Parameters: *date, time, applid*

DFHTP4151 *date time applid* **I/O error on MCR.**

Explanation: During processing of a delayed delivery message a temporary storage I/O error occurred. The message is lost for all destination terminals.

System Action: Other processing continues.

User Response: None.

Destination: CSMT

Module: DFHTPS

XMEOUT Parameters: *date, time, applid*

DFHTP4152 *date time applid* **Invalid request on MCR.**

Explanation: During processing of a delayed delivery message, a temporary storage invalid request error occurred. The message is lost for all destination terminals. The system was probably initialized without temporary storage.

System Action: Other processing continues.

User Response: Ensure that the system is initialized with temporary storage.

Destination: CSMT

Module: DFHTPS

XMEOUT Parameters: *date, time, applid*

DFHTP4160 *date time applid* **Message** *msgno* **purged as undeliverable from** *nnnn* **terminal(s).**

Explanation: The message numbered *msgno* has been waiting for display at a terminal, but *nnnn* of these terminals are unable to display the message because they are out of service. This message is sent to the master terminal operator.

System Action: To avoid affecting system performance, messages waiting longer than a time specified by the installation are purged.

User Response: None.

Destination: CSMT

Module: DFHTPQ

XMEOUT Parameters: *date, time, applid, msgno, nnnn*

DFHTP4161 Message *msgno* **was not delivered. It was purged from terminal(s)** *termid***. Message title was** *title***.**

Explanation: The message numbered *msgno* has been purged because it was not delivered within the system-defined time limit.

title is the title of message *msgno* and appears in this message only if one exists. *termid* is the terminal from which the message was purged.

System Action: The message is purged from the system. No further attempt is made to deliver the message.

User Response: None.

Destination: Terminal End User

Module: DFHTPQ

DFHTP4162 *date time applid nnnn* **BMS system messages purged as undeliverable from error notification terminal.**

Explanation: Basic mapping support (BMS) system messages (for example, DFHTP4161) have been waiting to be displayed at the error notification terminal, but the terminal is unable to display them because its status is not consistent with their status, or because traffic is too heavy.

nnnn is the number of BMS system messages purged and *termid* is the error notification terminal's identifier.

System Action: To avoid affecting system performance, messages waiting longer than a time specified by the installation, are purged.

User Response: Either alter the status of the terminal to allow messages to be displayed or increase purge delay time at CICS system initialization.

Destination: CSMT

Module: DFHTPQ

XMEOUT Parameters: *date, time, applid, nnnn*

DFHTP4164 *date time applid termid* **cannot accept message DFHTP4161. It is undefined or does not support paging.**

Explanation: *termid* is the identifier of a terminal specified to receive notification if a message could not be delivered. However, *termid* is not now in the TCT or is not defined as a terminal supported by BMS. This message is followed by DFHTP4161, which contains the error notification.

System Action: Other processing continues.

User Response: Notify terminal *termid* of the contents of message DFHTP4161, which is issued following this message.

Destination: CSMT

Module: DFHTPQ

XMEOUT Parameters: *date, time, applid, termid*

DFHTP4165 Undeliverable messages are being purged. The terminal is available for use.

Explanation: This message is sent to destination CSMT. It is also sent to the originating terminal if transaction CSPQ is entered from the terminal. Program DFHTPQ has been time-initiated to purge any messages that are considered undeliverable.

System Action: A non-terminal task is initiated to purge undeliverable messages.

User Response: None. The message is displayed at the terminal to indicate that the terminal is available for use.

Destination: Terminal End User

Module: DFHTPQ

DFHTP4166 *date time applid* **BMS has received an error return code** *retcode* **from CICS macro** *{TS PURGE | BMS TEXTBLD | BMS PAGEOUT | TS PUT}***.**

Explanation: BMS received an error return code after issuing a CICS system macro request. *retcode* is the return code and *macro* is the macro request.

System Action: Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CSMT

Module: DFHTPQ

XMEOUT Parameters: *date, time, applid, retcode, {1=TS PURGE, 2=BMS TEXTBLD, 3=BMS PAGEOUT, 4=TS PUT}*

DFHTP4170 *date time applid* **Request from system** *sysid* **to route message number** *msgno* **to terminal** *termid* **was not executed.**

Explanation: BMS received a request from system *sysid* to route message *msgno* to terminal *termid*. The request could not be executed.

System Action: Processing continues.

User Response: Ensure that the TCTs for the two systems are consistent.

Destination: CSMT

Module: DFHTPS

XMEOUT Parameters: *date, time, applid, sysid, msgno, termid*

DFHTP4171 *date time applid* **Request from system** *sysid* **to route message number** *msgno* **to terminal** *termid* **was not executed. Terminal not valid.**

Explanation: BMS received a request from system *sysid* to route message *msgno* to terminal *termid*. The request could not be executed because terminal *termid* is not defined on this system.

System Action: Processing continues.

User Response: Ensure that the TCTs for the two systems are consistent.

Destination: CSMT

Module: DFHTPS

XMEOUT Parameters: *date, time, applid, sysid, msgno, termid*

DFHTP4172 *date time applid* **Request from system** *sysid* **to route message number** *msgno* **to terminal** *termid* **was not executed. Terminal not supported by BMS.**

Explanation: BMS received a request from system *sysid* to route message *msgno* to terminal *termid*. The request could not be executed because terminal *termid* is of a type not supported by BMS.

System Action: Processing continues.

User Response: Ensure that the TCTs for the two systems are consistent.

Destination: CSMT

Module: DFHTPS

XMEOUT Parameters: *date, time, applid, sysid, msgno, termid*

DFHTP4173 *date time applid* **Request from system** *sysid* **to route message number** *msgno* **to terminal** *termid* **was not executed. Invalid LDC specified.**

Explanation: BMS has received a request from system *sysid* to route message *msgno* to terminal *termid*. The request could not be executed because the LDC specification was invalid.

System Action: Processing continues.

User Response: Ensure that the TCTs for the two systems are consistent.

Destination: CSMT

Module: DFHTPS

XMEOUT Parameters: *date, time, applid, sysid, msgno, termid*

DFHTP4174 *date time applid* **Message routing has failed for terminal** *termid***. The termid was invalid or could not be located.**

Explanation: BMS has received a request from system *sysid* to route message *msgno* to terminal *termid*. The request could not be executed because *termid* is invalid or could not be located.

System Action: Processing continues.

User Response: Ensure that the TCTs for the two systems are consistent.

Destination: CSMT

Module: DFHTPS

XMEOUT Parameters: *date, time, applid, termid*

DFHTP4180 *date time applid* **Terminal** *termid* **specified as error terminal for message** *msgno* **from system** *sysid* **invalid and ignored.**

Explanation: BMS has received a request from system *sysid* to route message *msgno*, specifying terminal *termid* to be notified in the event of the message not being delivered. Terminal *termid* is not defined in the terminal control table.

System Action: Processing continues.

User Response: Ensure that the TCTs for the two systems are consistent.

Destination: CSMT

Module: DFHTPS

XMEOUT Parameters: *date, time, applid, termid, msgno, sysid*

DFHTP4190 Please enter your data again in the partition containing the cursor.

Explanation: The terminal operator entered data from a partition other than the expected input partition. The expected input partition is activated (that is, the cursor is moved into it), and the terminal operator should reenter data in this partition.

System Action: Processing continues.

User Response: Ensure that the terminal operator enters data in the correct partition.

Destination: Terminal End User

Module: DFHPHP

DFHTRxxxx messages

DFHTR0001 *applid* **An abend (code** *abcode***) has occurred at offset** *X'offset'* **in module** *modname***.**

Explanation: An abnormal end (abend) or program check has occurred in module *modname*. This implies that there may be an error in CICS code.

Alternatively, unexpected data has been input, or storage has been overwritten.

The code *abcode* is a 3-digit hexadecimal MVS code (if applicable), followed by a 4-digit alphanumeric CICS code. The MVS code is a system completion code (for example, 0C1 or D37). If an MVS code is not applicable, this field is filled with three hyphens. The CICS code is an abend code or a number referring to a CICS message (for example, AKEA is a CICS abend code; 1310 refers to message DFHTS1310).

System Action: An exception entry is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS continues unless you have specified in the dump table that CICS should terminate.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: If CICS is still running, it is necessary to decide whether to terminate CICS.

Look up the MVS code, if there is one, in the relevant MVS codes manual which is detailed in the book list in the front of this manual.

Next, look up the CICS alphanumeric code in this manual. This tells you, for example, whether the error was a program check, an abend, or a runaway, and may give you some guidance concerning user response.

If module *modname* is not crucial to the running of your CICS system, you may decide to continue to run and bring CICS down at a convenient time to resolve the problem.

If you cannot run without the full use of module *modname* you should bring CICS down in a controlled shutdown.

You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Modules: DFHTRSR, DFHTRPT, DFHTRDM , DFHTRFT

XMEOUT Parameters: *applid, abcode, X'offset', modname*

DFHTR0002 *applid* **A severe error (code** *X'code'***) has occurred in module** *modname***.**

Explanation: An error has been detected in module *modname*. The code X'*code*' is the exception trace point id which uniquely identifies what the error is and where the error was detected. For further information about CICS exception trace entries, refer to the *CICS Problem Determination Guide*.

System Action: An exception entry (code X'*code*') is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS continues unless you have specified in the dump table that CICS should terminate. If appropriate, an error return code is sent to the caller of this domain. In this case, CICS could be terminated by the caller (for example, the domain manager, DFHDMDM). A message is issued to this effect.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: There may be an error in CICS code. The severity of its impact depends on the importance of the function being executed at the time of the error.

CICS may not have been terminated.

If the message occurs once and module *modname* is not crucial to the running of your CICS system, you may decide to continue to run and bring CICS down at a convenient time to resolve the problem.

If the message recurs or if you cannot run without the full use of module *modname* you should bring CICS down in a controlled shutdown.

You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Module: DFHTRSR

XMEOUT Parameters: *applid, X'code', modname*

DFHTR0004 *applid* **A possible loop has been detected at offset** *X'offset'* **in module** *modname***.**

Explanation: A CICS function is taking more time to process than CICS expects. A possible loop has been detected in module *modname* at offset X'*offset*'. This is the offset of the instruction which was executing at the time the error was detected.

System Action: An exception entry is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS continues unless you have specified in the dump table that CICS should terminate.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: If CICS has not been terminated, it is necessary to decide whether the problem is serious enough to bring CICS down.

Since some CICS functions can use a lot of processor time, this message may have been caused by a long-running function. So there may not be an error here. Usually, CICS purges a CICS function which exceeds the runaway task time interval which you have specified in the SIT (this is the ICVR which is measured in milliseconds). This means that module *modname* is terminated and CICS continues.

But if you have declared ICVR=0 in the SIT and you consider that module *modname* has gone into a loop, you have to terminate CICS in order to terminate the runaway function.

If CICS has terminated module *modname* and you consider that it was not a runaway, you should increase the ICVR time interval in the SIT. You have to bring CICS down at a suitable time to do this permanently. But you can change the ICVR time interval temporarily online, using the CEMT transaction.

If raising the ICVR time does not solve the problem, you will need further assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Modules: DFHTRSR, DFHTRPT, DFHTRDM, DFHTRFT

XMEOUT Parameters: *applid, X'offset', modname*

DFHTR0101 STORAGE FOR INTERNAL TRACE TABLE NOT AVAILABLE -TRACE INOPERATIVE.

Explanation: During CICS initialization, there was insufficient storage for even the minimum allowable internal trace table size (16KB).

System Action: CICS terminates with a system dump.

User Response: The failure to get even 16KB from MVS at this early stage of initialization almost certainly means that other areas of CICS and other system functions will not be able to acquire the storage they require to operate, so the system is unlikely to initialize completely. A possible solution is to increase the value for the REGION keyword on the EXEC statement for the CICS job.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHTRDM

DFHTR0102 REQUESTED TRACE TABLE SIZE NOT AVAILABLE.

Explanation: CICS issues a variable-type GETMAIN to MVS for the internal trace table storage. This message indicates that the upper limit specified (on the TRTABSZ keyword) was not available, but that at least the lower limit of 16K was obtained.

Message DFHTR0103 which follows this message gives the actual size acquired.

System Action: CICS continues with an internal trace table of the size given by message DFHTR0103.

User Response: There are three possible courses of action:

- Allow CICS to run with the decreased table size if this is thought to be adequate.
- Terminate the system and reinitialize after increasing the region size available to CICS.
- Once the system is initialized, use CETR to increase the table size to the required value.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHTRDM

DFHTR0103 TRACE TABLE SIZE IS *nn*K.

Explanation: The internal trace table acquired during CICS initialization has a table size *nn*KB.

This is either the same as that specified on the TRTABSZ keyword of the SIT or message DFHTR0101 or DFHTR0102 has preceded this on the console.

System Action: CICS continues.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHTRDM

DFHTR0104 *applid* No buffer storage available for auxiliary trace data set. Auxiliary trace is inoperative.

Explanation: An attempt to start auxiliary trace failed because there was insufficient storage available from MVS for the 4KB output buffer.

System Action: A CICS system dump with dump code TR0104 is taken. CICS then continues with auxiliary trace inactive.

User Response: Determine why so little MVS storage is available and retry if possible.

Destination: Console

Module: DFHTRDM

XMEOUT Parameter: *applid*

DFHTR0105 AUXILIARY TRACE DATA SET *dataset* COULD NOT BE OPENED - AUXILIARY TRACE INOPERATIVE.

Explanation: An attempt to start auxiliary trace or to switch auxiliary trace extents has failed because the request to BSAM to open data set *dataset* failed.

System Action: There are two cases:

- If the error occurs after an explicit request to start auxiliary trace (as opposed to switching extents), a CICS system dump with dump code TR0105 is taken. CICS then continues with auxiliary trace inactive.
- If the error occurs when auxiliary trace is already active, that is, an explicit switch request when auxiliary trace starts or an end-of-extent with autoswitching active, an SDUMP with dump code KERNDUMP is taken. This type of dump is not subject to suppression or modification by use of the dump table.

User Response: Check that the DD statement for data set *dataset* is present.

If it is, format the system dump and examine the TR domain information. The DCB for the auxiliary trace data set should be present. Use this to determine the reason for the open failure.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Modules: DFHTRSR, DFHTRSU

DFHTR0106 *applid* DFHTRAO could not be loaded. Auxiliary trace is inoperative.

Explanation: An attempt to start auxiliary trace failed because the CICS module, DFHTRAO, which is used to write to the auxiliary trace data set, could not be loaded.

System Action: The loader domain (LD) will have issued messages and dumps as necessary. CICS continues with auxiliary trace inactive.

User Response: Refer to the associated loader domain messages for further information and guidance.

Destination: Console

Module: DFHTRSR

XMEOUT Parameter: *applid*

DFHTR0107 ABEND *X'abcode'* ON AUXILIARY TRACE DATA SET *dataset* - AUXILIARY TRACE STOPPED.

Explanation: The DCB abend exit for named auxiliary trace data set *dataset* was driven after a request to BSAM.

The 3-digit abend code is indicated as X'*abcode*'

System Action: CICS continues with auxiliary trace inactive.

User Response: Refer to the *OS/390 MVS System Codes* manual for an explanation of the abend code, X'*abcode*'.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHTRAO

DFHTR0108 I/O ERROR ON AUXILIARY TRACE DATA SET *dataset* - AUXILIARY TRACE STOPPED.

Explanation: The SYNAD exit for the auxiliary trace data set *dataset* was driven after a request to BSAM.

System Action: CICS will continue with auxiliary trace inactive.

User Response: Use this message and any BSAM messages to determine the source of the error.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHTRAO

DFHTR0109 AUXILIARY TRACE DATA SET *dataset* FULL -AUXILIARY TRACE HAS BEEN STOPPED.

Explanation: The auxiliary trace data set *dataset* is full. Auxiliary trace has been stopped because autoswitch is not active.

System Action: CICS continues with auxiliary trace inactive.

User Response: The auxiliary trace data set *dataset* can now be processed by the print routine DFHTU520.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHTRSU

DFHTR0110 AUXILIARY TRACE DATA SET *dataset1* **FULL - SWITCHING TO** *dataset2***.**

Explanation: The auxiliary trace data set *dataset1* is full. Auxiliary trace is continuing on data set *dataset2* because autoswitching was requested.

System Action: CICS continues with auxiliary trace active on the data set *dataset2*.

User Response: Process the full data set if required.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHTRSU

DFHTR0111 *applid* **Unable to acquire storage for GTF buffer - GTF trace inoperative.**

Explanation: An attempt to start CICS tracing to the MVS Generalized Trace Facility (GTF) failed because there was insufficient storage available from MVS for the 256-byte buffer required.

This message can be issued by DFHTRDM during CICS initialization if GTFTR=ON is specified on the SIT or start-up overrides, or by DFHTRSU if the request to start GTF was made after CICS was up and running.

System Action: CICS continues with GTF tracing inactive.

User Response: The failure to acquire even 256 bytes of storage indicates that the CICS region is probably in a stall condition. This can only be relieved by removing some of the users of MVS storage or by restarting CICS, possibly with a larger region size.

Destination: Console

Modules: DFHTRDM, DFHTRSU

XMEOUT Parameter: *applid*

DFHTR0112 *applid* **Bad data passed for tracing to module** *modname***.**

Explanation: Some data passed to the trace (TR) domain for addition to the internal trace table, auxiliary trace data set or GTF trace caused a program check when an attempt was made to access it.

This could either be as a result of a request made by CICS system code or a request made by a user program through the API or XPI.

If transaction isolation is active, this message can be issued if a transaction passes another transaction's storage to CICS. A program check occurs when CICS attempts to trace this storage because the storage is fetch protected.

System Action: A system dump with dump code TR0112 is taken.

If the message was issued by DFHTRPT the dump contains an exception trace entry (point ID TR0102) that includes the erroneous parameter list passed to DFHTRPT.

If the message was issued by DFHTRFT the dump contains an exception trace entry (point ID TR0402) that includes the erroneous parameter list passed to DFHTRFT.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Examine the interpreted exception trace entry to determine the domain that issued the call and the ID of the entry. Then look at the specified addresses and lengths in the data*n* fields to see if they contain reasonable values. The fault is in the module that set up these fields for the trace call.

If transaction isolation is active, examine the calling domain's parameter list, data2, for storage that belongs to another transaction. Correct the offending application program. It should not be passing another transaction's storage. Alternatively, alter the definition of the application so that it can validly access another transaction's storage. See the *CICS Resource Definition Guide* for more information on how to alter the definition.

Destination: Console

Modules: DFHTRPT, DFHTRFT

XMEOUT Parameters: *applid, modname*

DFHTR0113 *applid* **Auxiliary trace is being started on data set** *dataset***.**

Explanation: A request to start auxiliary trace has been successfully processed. The trace records are being written to data set *dataset*.

System Action: CICS continues with auxiliary trace active.

User Response: None.

Destination: Console

Module: DFHTRSR

XMEOUT Parameters: *applid, dataset*

DFHTR0114 AN ABEND HAS OCCURRED DURING INITIALIZATION OF TRACE IN MODULE *modname***.**

Explanation: Module *modname*'s recovery routine received control during pre-initialization of the trace (TR) domain. This indicates that a program check has occurred in module *modname*.

There are three possible causes of this condition.

1. The module has been overwritten in main storage.
2. The module is at an incompatible level with the rest of the CICS modules.
3. There is an error in the module.

System Action: A system dump with dump code KERNDUMP is taken.

User Response: Inform the system programmer.

There may be an error in CICS code. The severity of its impact will depend on the importance of the function being executed at the time of the error.

CICS may not have been terminated.

If the message occurs once and module *modname* is not crucial to the running of your CICS system, you may decide to continue to run and bring CICS down at a convenient time to resolve the problem.

If the message recurs or if you cannot run without the full use of module *modname* you should bring CICS down in a controlled shutdown.

Use the dump to determine the cause of the condition.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Modules: DFHTRDM , DFHTRSR

DFHTR0115 AN ABEND HAS OCCURRED IN THE AUXILIARY TRACE MODULE DFHTRAO.

Explanation: Module DFHTRAO's recovery routine has received control.

This indicates a program check or MVS abend has occurred in DFHTRAO.

There are three possible causes of this condition:

- DFHTRAO has been overwritten in main storage
- DFHTRAO is at an incompatible level with the rest of the CICS modules
- There is an error in DFHTRAO.

System Action: A system dump with dump code KERNDUMP is taken.

User Response: There may be an error in CICS code. The severity of its impact depends on the importance of the function being executed at the time of the error.

CICS may not have been terminated.

If the message occurs once and module DFHTRAO is not crucial to the running of your CICS system, you may decide to continue to run and bring CICS down at a convenient time to resolve the problem.

If the message recurs or if you cannot run without the full use of module DFHTRAO, you should bring CICS down in a controlled shutdown.

Use the dump to determine the cause of the condition.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHTRAO

DFHTR0116 AN ABEND HAS OCCURRED IN THE TRACE SUBROUTINES MODULE DFHTRSU.

Explanation: The recovery routine belonging to the trace domain module DFHTRSU has received control.

This indicates a program check or MVS abend has occurred in that module.

There are three possible causes of this condition:

- DFHTRSU has been overwritten in main storage.
- DFHTRSU is at an incompatible level with the rest of the CICS modules.
- There is an error in DFHTRSU.

System Action: A system dump with dump code KERNDUMP is taken.

User Response: There may be an error in CICS code. The severity of its impact depends on the importance of the function being executed at the time of the error.

CICS may not have been terminated.

If the message occurs once and module DFHTRSU is not crucial to the running of your CICS system, you may decide to continue to run and bring CICS down at a convenient time to resolve the problem.

If the message recurs or if you cannot run without the full use of module DFHTRSU, bring CICS down in a controlled shutdown.

Use the dump to determine the cause of the condition.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHTRSU

DFHTR0117 *applid* **Auxiliary trace on data set** *dataset* **has been stopped.**

Explanation: An operator or application program request, to stop CICS tracing to the auxiliary trace data set *dataset*, has been successfully processed.

System Action: CICS continues with auxiliary trace inactive.

User Response: The auxiliary trace data set *dataset* can now be processed by the print routine DFHTU520.

Destination: Console

Module: DFHTRSR

XMEOUT Parameters: *applid, dataset*

DFHTR0118 *applid* **Auxiliary trace is being switched from** *dataset1* **to** *dataset2***.**

Explanation: An operator or application program request to switch extents on the auxiliary trace data set while auxiliary trace is active is being processed.

System Action: CICS stops tracing on the first named data set *dataset1*, and resumes tracing on the second named data set *dataset2*.

User Response: The first named auxiliary trace data set *dataset1* can now be processed by the print routine DFHTU520.

Destination: Console

Module: DFHTRSR

XMEOUT Parameters: *applid, dataset1, dataset2*

DFHTR1000 *applid* **CICS abend requested by global trap exit DFHTRAP in module** *modname***.**

Explanation: The field engineering global trap exit program (DFHTRAP) requested termination of CICS.

System Action: CICS disables the trap exit so that it will not be reentered, and terminates CICS.

User Response: Determine why DFHTRAP has requested system termination and act accordingly. **You should use the global trap exit only in consultation with an IBM support representative.**

Destination: Console

Modules: DFHTRPT, DFHTRFT

XMEOUT Parameters: *applid, modname*

DFHTR1001 *applid* **Program check occurred within global trap exit - DFHTRAP now marked unusable by module** *modname***.**

Explanation: After making a trace entry, the CICS trace domain (TR) called the field engineering global trap exit program (DFHTRAP). A program check occurred during execution of DFHTRAP.

System Action: CICS marks the currently active version of DFHTRAP unusable, and will ignore it on future calls to TR domain. CICS then takes a dump with system dump code TR1001, and continues execution.

User Response: Use the dump to find the cause of the program check. To replace the currently active but unusable DFHTRAP by

a new version in the CICS program library, issue the following commands in the sequence shown:

CSFE DEBUG,TRAP=OFF (to deactivate the current trap)
CEMT SET PROGRAM(DFHTRAP) NEWCOPY (to update the trap disk address known to CICS)
CSFE DEBUG,TRAP=ON (to activate the new version of the trap)

You should use the global trap exit only in consultation with an IBM support representative.

Destination: Console

Modules: DFHTRPT, DFHTRFT

XMEOUT Parameters: *applid, modname*

DFHTR1002 *applid* **Program DFHTRAP is not available - global trap not activated**

Explanation: CICS could not activate the field engineering global trap exit program, DFHTRAP, during processing of the TRAP=ON SIT keyword or override in CICS initialization. This is almost certainly because DFHTRAP is not present in the program library.

System Action: CICS takes a system dump with dump code TR1002 and continues with the global trap not activated.

User Response: Ensure that DFHTRAP is defined to RDO and made available in the program library.

You should use the global trap exit only in consultation with an IBM support representative.

Destination: Console

Module: DFHTRDM

XMEOUT Parameter: *applid*

DFHTR1003 *applid* **CICS system dump requested by global trap exit DFHTRAP in module** *modname***.**

Explanation: The user-coded global trap exit program (DFHTRAP) has requested a system dump in its return action settings.

System Action: CICS takes a system dump with dump code TR1003 and continues with the global trap still active.

User Response: Analyse the requested dump.

You should use the global trap exit only in consultation with an IBM support representative.

Destination: Console

Modules: DFHTRPT, DFHTRFT

XMEOUT Parameters: *applid, modname*

DFHTR2000 INCOMPLETE ENTRY IGNORED.

Explanation: CICS trace entries longer than 256 bytes have to be split into multiple Generalized Trace Facility (GTF) entries because of GTF's length restriction. The CICS entry becomes a header entry followed by one or more continuation entries. This message in the GTF printout indicates that a CICS entry on GTF longer than 256 bytes has not been printed because a new header entry from the same MVS TCB was encountered before all of the continuation entries from a previous split entry were received.

System Action: The incomplete entry is ignored.

User Response: This situation can arise in one of two ways:

- The MVS TCB making the first split trace entry abnormally terminated while writing the continuation entries.

  This results in messages and a system dump during the CICS run.

  Refer to the associated messages for further information and guidance. Use the dump to determine and solve the problem.
- GTF has failed to record one or more of the continuation entries because of an internal error. You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHTRPRG

DFHTR2001 INSUFFICIENT STORAGE FOR RECONSTRUCTION BUFFER.

Explanation: A CICS entry longer than 256 bytes has been split into a header record and one or more continuation records on the generalized trace facility (GTF). It cannot be formatted because MVS could not allocate sufficient working storage for a buffer to allow reconstruction of the segmented entry.

System Action: The entry is printed in hexadecimal and the print job continues.

User Response: Rerun the GTF print job with a larger region size.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHTRPRG

DFHTR2002 INVALID ENTRY PASSED FOR FORMATTING.

Explanation: A GTF entry with the CICS format identifier (X'EF') has been passed to the CICS GTF print routine but the data it contains is not part of a valid CICS trace entry.

System Action: The invalid entry is printed in hexadecimal and the print job continues.

User Response: Examine the entry for clues to its origin.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHTRPRG

DFHTR2003 UNEXPECTED CONTINUATION ENTRY ENCOUNTERED.

Explanation: CICS trace entries longer than 256 bytes have to be split into multiple GTF entries because of GTF's length restriction. The CICS entry becomes a header entry followed by one or more continuation entries. This message in the GTF printout indicates that a GTF entry has been passed to the CICS GTF print routine that is not the start of a CICS segmented entry and the entry type is not one for which a continuation is currently expected.

System Action: The invalid entry is printed in hexadecimal and the print job continues.

User Response: This situation could arise if the header record for a segmented entry is overwritten because of GTF's normal cyclic

re-use of space in its data set. In this case the invalid entries would be very close to the start of the printout.

If this is not so, examine the entry for clues to its origin.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHTRPRG

DFHTR2004 THE MAXIMUM NUMBER OF BUFFERS (*nn*) HAVE BEEN ALLOCATED. NONE ARE FREE FOR REUSE.

Explanation: A CICS trace entry longer than 256 bytes has been split into a header record and one or more continuation records on the generalized trace facility (GTF). However, it cannot be formatted because the maximum number of buffers allowed for reconstruction of segmented entries for a specific type has been reached. This maximum is currently set to *nn*. The number of buffers for a specific type relates directly to the number of regions or systems writing trace entries to the GTF trace data set. During writing, the segmented entries for some of the different regions or systems could become interleaved in the data set. To ensure that the entries are formatted completely and correctly, it is necessary to have a buffer available for each region or system whose trace entries have become interleaved in this way. For further information on trace types and segmented entries see the section on trace formatting in the *CICS Diagnosis Reference*.

System Action: The entry is printed in hexadecimal and the print job continues.

User Response: None, but if the situation occurs regularly, contact your IBM Support Center to discuss whether the maximum value set is too low.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHTRPRG

DFHTR2005 THE LOAD FAILED FOR LOAD MODULE *modname*. PLACE MODULE IN THE LINK LIST AND TRY AGAIN.

Explanation: The generalized trace facility (GTF) trace formatter tried to load the correct release of trace formatter for the trace entry being processed.

System Action: The job continues printing trace entries in hexadecimal only.

User Response: Place the named trace formatter load module into the link list and rerun the job. If the named trace formatter is not available, you will need further assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHTRPRG

DFHTR3001 ERROR IN OPENING DFHAXPRT FILE.

Explanation: The auxiliary trace print program DFHTU520 could not open the data set defined to receive the print output.

System Action: The print job terminates with a return code of 8.

User Response: Ensure that the DD statement for DFHAXPRT is present and correct in the DFHTU520 job.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHTRPRA

DFHTR3002 ERROR IN OPENING DFHAUXT FILE.

Explanation: The auxiliary trace print program DFHTU520 could not open the auxiliary trace data set to be processed.

System Action: The print job terminates with a return code of 8.

User Response: Ensure that the DD statement for DFHAUXT is present and correct in the DFHTU520 job.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHTRPRA

DFHTR3003 ERROR IN OPENING DFHAXPRM FILE.

Explanation: The auxiliary trace print program DFHTU520 could not open the parameter input data set DFHAXPRM.

System Action: The print job terminates with a return code of 8.

User Response: Ensure that the DD statement for DFHAXPRM is present and correct in the DFHTU520 job, or specify your input parameters on the PARM keyword of the EXEC statement.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHTRPRA

DFHTR3010 ERROR IN TRACE DATA - ENTRIES MAY HAVE BEEN LOST.

Explanation: The trace block being formatted contains invalid length and/or pointer fields. This can happen if the trace table is accidentally overwritten.

System Action: The trace formatting code scans the block to try and find valid entries. Any that are found are printed. The rest of the data is ignored.

User Response: Try and determine what caused the overwriting of the internal trace table.

The trace entries immediately before and after this message in the print out should be viewed with suspicion. They may contain incorrect data, or there may be one or more entries missing altogether at this point.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHTRFPB

DFHTSxxxx messages

DFHTS0001 *applid* **An abend (code** *aaa/bbbb***) has occurred at offset** *X'offset'* **in module** *modname***.**

Explanation: An abnormal end (abend) or program check has occurred in module *modname*. This implies that there may be an error in the CICS code. Alternatively, unexpected data has been input, or storage has been overwritten.

The code *aaa/bbbb* is a 3-digit hexadecimal MVS code (if applicable), followed by a 4-digit alphanumeric CICS code. The MVS code is a system completion code (for example, 0C1 or D37). If an MVS code is not applicable, this field is filled with three hyphens. The CICS code is an abend code or a number referring to a CICS message (for example, AKEA is a CICS abend code; 1310 refers to message DFHTS1310).

System Action: An exception entry is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS continues unless you have specified in the dump table that CICS should terminate. If appropriate, an error return code is sent to the caller of this domain. In this case CICS could be terminated by the caller (for example, the domain manager, DFHDMDM). A message is issued to this effect.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Notify the system programmer. If CICS is still running, it is necessary to decide whether to terminate CICS.

Look up the MVS code, if there is one, in the relevant MVS codes manual.

Next, look up the CICS alphanumeric code. This tells you, for example, whether the error was a program check, an abend, or a runaway, and may give you some guidance concerning user response.

If module *modname* is not crucial to the running of your CICS system, you may decide to continue to run and bring CICS down at a convenient time to resolve the problem.

If you cannot run without the full use of module *modname* you should bring CICS down in a controlled shutdown.

You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Modules: DFHTSAM, DFHTSBR, DFHTSDM, DFHTSPT, DFHTSQR, DFHTSRM, DFHTSSH, DFHTSSR, DFHTSST, DFHTSWQ.

XMEOUT Parameters: *applid, aaa/bbbb, X'offset', modname*

DFHTS0002 *applid* **A severe error (code** *X'code'***) has occurred in module** *modname***.**

Explanation: An error has been detected in module *modname*. The code X'*code*' is the exception trace point ID which uniquely identifies what the error is and where the error was detected.

System Action: An exception entry (code X'*code*' in the message) is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS continues unless you have specified in the dump table that CICS should terminate. If appropriate, an error return code is sent to the caller of this domain. In this case, CICS could be terminated by the caller (for example, the domain manager, DFHDMDM). A message is issued to this effect.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: This indicates a possible error in CICS code. The severity of its impact depends on the importance of the function being executed at the time of the error.

CICS may not have been terminated. If the message occurs once and module *modname* is not crucial to the running of your CICS system, you may decide to continue to run and bring CICS down at a convenient time to resolve the problem.

If the message recurs or if you cannot run without the full use of module *modname*, you should bring CICS down in a controlled shutdown.

You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Modules: DFHTSAM, DFHTSBR, DFHTSDM, DFHTSPT, DFHTSQR, DFHTSRM, DFHTSSH, DFHTSSR, DFHTSST, DFHTSWQ.

XMEOUT Parameters: *applid, X'code', modname*

DFHTS0100I *applid* **Temporary Storage initialization has started.**

Explanation: This is an informational message indicating the start of temporary storage domain initialization.

System Action: Initialization continues.

User Response: None. You can suppress this message with the system initialization parameter, MSGLVL=0.

Destination: Console

Module: DFHTSDM

XMEOUT Parameter: *applid*

DFHTS0101I *applid* **Temporary Storage initialization has ended.**

Explanation: Temporary storage domain initialization has completed successfully

System Action: Initialization continues.

User Response: None. You can suppress this message with the system initialization parameter, MSGLVL=0.

Destination: Console

Module: DFHTSDM

XMEOUT Parameter: *applid*

DFHTS0102I *applid* **About to format the temporary storage data set (***numcis* **control intervals).**

Explanation: Temporary storage has been cold-started with a new data set. This message is issued when formatting of the data set commences, and indicates the number *numcis* of control intervals which will be formatted.

System Action: CICS continues. Message DFHTS0101 is issued when temporary storage initialization has been completed. Note that formatting can take a significant time if the data set is large.

User Response: None. You can suppress this message with the message level system initialization parameter, MSGLVL=0.

Destination: Console

Module: DFHTSDM.

XMEOUT Parameters: *applid, numcis*

DFHTS0103 *applid* **Invalid attempt to switch between a TST and RDO for Temporary Storage. The attempt is ignored.**

Explanation: Temporary storage has detected an implicit attempt to switch between using a TST and RDO for TS queues, but CICS has not been COLD started.

Switching from using a TST to RDO for TS (or vice versa) is permitted only on a COLD or INITIAL start of CICS.

System Action: CICS continues. The attempt to switch is ignored. CICS will use a TST (if specified) or RDO models for TS queues, as for the previous CICS run.

User Response: You may wish to restart CICS specifying an INITIAL or COLD start in order to complete the switch.

Destination: Console

Module: DFHTSAD

XMEOUT Parameter: *applid*

DFHTS1301 *applid {READ | WRITE}* **Error detected by temporary storage. RPL feedback area is** *X'yyyyy'***.**

Explanation: An I/O error has been detected by temporary storage. Either:

- A hardware error occurred while a task was accessing the temporary storage data set, or
- VSAM detected a logic error in the request. The most likely cause of this is that the data set was defined incorrectly.

System Action: An I/O ERROR return code is returned to the application program.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Ensure that the definition of the temporary storage data set is correct. For logic errors see the DFSMS/MVS Macro Instructions for Data Sets manual for assistance in interpreting RPL feedback codes.

See the *CICS Problem Determination Guide* for more guidance in dealing with temporary storage problems.

Destination: Console

Module: DFHTSAM

XMEOUT Parameters: *applid, {1=READ, 2=WRITE}, X'yyyyy'*

DFHTS1310 *applid* **Temporary storage data set does not match bit map**

Explanation: The temporary storage domain has detected an inconsistency between its control blocks. The inconsistency was detected either during compression of an I/O buffer or by the TS control block checking which is enabled via TS trace level 3.

Possible causes of the inconsistency are:

- An incorrect temporary storage data set (DFHTEMP) was used.
- The control interval size (CISIZE) of the temporary storage data set was changed between CICS runs.
- A storage overlay has occurred.
- An internal error has occurred within the TS domain.

System Action: CICS is abnormally terminated with a dump.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: To determine the cause of the error, check that:

- The correct data set was used.
- The CISIZE of DFHTEMP was not altered between CICS runs (if CISIZE **was** altered, temporary storage should have been cold started).

Whatever the cause of the error, temporary storage must now be cold started.

See the *CICS Problem Determination Guide* for more guidance in dealing with temporary storage problems. If an overlay has occurred, you will need further assistance from IBM.

See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Module: DFHTSAM

XMEOUT Parameter: *applid*

DFHTS1311 *applid* **Temporary storage data set is full and cannot be extended**

Explanation: The temporary storage data set is full. CICS has failed in an attempt to extend it.

System Action: Processing continues.

User Response: Consider whether you need to increase the space allocation for the temporary storage data set.

Destination: Console

Module: DFHTSAM

XMEOUT Parameter: *applid*

DFHTS1315 *applid* **The temporary storage data set has exceeded the maximum number of control intervals supported.**

Explanation: During a temporary storage write request, an attempt has been made to add a new control interval to the temporary storage data set. The temporary storage data set already contains the maximum number of supported control intervals and cannot be extended.

System Action: Processing continues.

User Response: Consider whether you need to increase the control interval size for the temporary storage data set. See the *CICS System Definition Guide* for guidance on defining the temporary storage data set.

Destination: Console

Module: DFHTSAM

XMEOUT Parameter: *applid*

DFHTS1340 *applid* **No DD statement provided for temporary storage data set.**

Explanation: CICS is unable to open the auxiliary temporary storage data set because no DD statement has been provided.

System Action: A dump is provided and CICS is terminated.

User Response: Correct the error and restart CICS.

Destination: Console

Module: DFHTSDM

XMEOUT Parameter: *applid*

DFHTS1341 *applid* **VSAM error processing SHOWCAT for temporary storage data set.**

Explanation: VSAM has detected an error during SHOWCAT processing for the auxiliary temporary storage data set.

System Action: A dump is provided and CICS is terminated.

User Response: Correct the error and restart CICS.

Destination: Console

Module: DFHTSDM

XMEOUT Parameter: *applid*

DFHTS1342 *applid* **Invalid VSAM definition for temporary storage data set.**

Explanation: CICS is unable to open the auxiliary temporary storage data set because it is not defined as VSAM ESDS.

System Action: A dump is provided and CICS is terminated.

User Response: Correct the error and restart CICS.

Destination: Console

Module: DFHTSDM

XMEOUT Parameter: *applid*

DFHTS1362 *applid* **Temporary storage data set not formatted**

Explanation: The auxiliary temporary storage data set is not formatted. It is empty. If initial formatting is necessary, it is performed when temporary storage is cold started.

System Action: The temporary storage initialization task is abnormally terminated.

User Response: Correct the error and restart CICS.

Destination: Console

Module: DFHTSDM

XMEOUT Parameter: *applid*

DFHTS1363 *applid* **Invalid control record for temporary storage data set**

Explanation: The auxiliary temporary storage data set was not initialized for temporary storage.

System Action: The temporary storage initialization task is abnormally terminated.

User Response: Correct the error and restart CICS.

Destination: Console

Module: DFHTSDM

XMEOUT Parameter: *applid*

DFHTS1371 *applid* **VSAM error processing SHOWCB for temporary storage data set, RC=***X'retcode'*

Explanation: VSAM has detected an error during SHOWCB processing for the auxiliary temporary storage data set.

System Action: The temporary storage initialization task is abnormally terminated.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response:

Check the return code in the appropriate VSAM publication.

Destination: Console

Module: DFHTSDM

XMEOUT Parameters: *applid, X'retcode'*

DFHTS1372 *applid* **VSAM error processing OPEN for temporary storage data set, R15=***X'retcode'***, RC=***X'errorcode'*

Explanation: VSAM has detected an error during OPEN processing for the auxiliary temporary storage data set. The inserts identify the return code and the error code.

System Action: The temporary storage initialization task is abnormally terminated.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response:

Check the return code and error code in the appropriate VSAM publication.

Destination: Console

Module: DFHTSDM

XMEOUT Parameters: *applid, X'retcode', X'errorcode'*

DFHTS1373 *applid* **VSAM error processing CLOSE for temporary storage data set, R15=***X'retcode'***, RC=***X'errorcode'*

Explanation: VSAM has detected an error during CLOSE processing for the auxiliary temporary storage data set. The inserts identify the return code and the error code.

System Action: The temporary storage initialization task is abnormally terminated.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response:

Check the return code and error code in the appropriate VSAM publication.

Destination: Console

Module: DFHTSDM

XMEOUT Parameters: *applid, X'retcode', X'errorcode'*

DFHTS1374 *applid* **VSAM error processing PUT for temporary storage data set, R15=***X'retcode'***, RC=***X'errorcode'*

Explanation: VSAM has detected an error during PUT processing for the auxiliary temporary storage data set. The inserts identify the return code and the error code.

System Action: The temporary storage initialization task is abnormally terminated.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response:

Check the return code and error code in the appropriate VSAM publication.

Destination: Console

Module: DFHTSDM

XMEOUT Parameters: *applid, X'retcode', X'errorcode'*

DFHTS1375 *applid* **VSAM error processing GET for temporary storage data set, R15=***X'retcode'***, RC=***X'errorcode'*

Explanation: VSAM has detected an error during GET processing for the auxiliary temporary storage data set. The inserts identify the return code and the error code.

System Action: The temporary storage initialization task is abnormally terminated.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response:

Check the return code and error code in the appropriate VSAM publication.

Destination: Console

Module: DFHTSDM

XMEOUT Parameters: *applid, X'retcode', X'errorcode'*

DFHTS1376 *applid* **VSAM error processing MODCB for temporary storage data set, R15=***X'retcode'*

Explanation: VSAM has detected an error during MODCB processing for the auxiliary temporary storage data set. The insert identifies the return code.

System Action: The temporary storage initialization task is abnormally terminated.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response:

Check the return code and error code in the appropriate VSAM publication.

Destination: Console

Module: DFHTSDM

XMEOUT Parameters: *applid, X'retcode'*

DFHTS1390 *date time applid* **TSQUEUE** *name* **(***X'hexval'***) not recovered. Time last referenced:** *hh:mm:ss mm/dd/yy***. TSAGE:** *tsage*

Explanation: During an emergency start, the recoverable temporary storage queue (TSQUEUE) *name* was not recovered. This is because the time elapsed since it was last referenced exceeded the aging limit of temporary storage data as specified in the value of TSAGE *tsage* in the DFHTST macro.

System Action: The queue is not recovered and processing continues.

User Response: Ensure that the value of TSAGE specified in the DFHTST macro is adequate.

Destination: CSMT

Module: DFHTSRM

XMEOUT Parameters: *date, time, applid, name, X'hexval', hh:mm:ss, mm/dd/yy, tsage*

DFHTS1576 *applid* **Temporary storage format error**

Explanation: A nonzero return code was received from the VSAM macro GENCB when CICS was attempting to build a VSAM request parameter list (RPL).

System Action: CICS terminates abnormally with a system dump. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Module: DFHTSDM

XMEOUT Parameter: *applid*

DFHTS1599 *applid* **Region/Partition size insufficient to initialize CICS.**

Explanation: The temporary storage domain has been unable to GETMAIN sufficient storage for its own control blocks during initialization.

System Action: CICS terminates with a system dump.

User Response: Increase the region/partition size and retry. You can get information about the size and number of occurrences of relevant control blocks by using the *CICS Data Areas* in conjunction with the system dump.

Destination: Console

Module: DFHTSDM

XMEOUT Parameter: *applid*

DFHUPxxxx messages

DFHUP0201 *applid* **ANOTHER PRODUCT HAS ALREADY REGISTERED FOR THIS DOMAIN. IFAUSAGE RC 4 HAS BEEN ISSUED. MODULE** *module*

Explanation: A return code of 4 has been issued in response to an IFAUSAGE macro call. Another product has already registered for this domain.

System Action: The current request is accepted but there is duplicate recording of data for both products.

User Response: Examine the type 89 records to determine which product is causing the duplicate registration to the domain.

See the *MVS/ESA Support for Measured Usage License Charges* manual for an explanation of the return code.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Modules: DFHCSDUP, DFHDRPA, DFHDUP, DFHEXP1$, DFHJUP, DFHKETCB, DFHMNDUP, DFHMSCAN, DFHSTUP, DFHTUP, DFHWOS

DFHUP0202 *applid* **THE UNAUTHORIZED REQUEST LIMIT HAS BEEN EXCEEDED. IFAUSAGE RC 8 HAS BEEN ISSUED. MODULE** *module*

Explanation: A return code of 8 has been issued in response to an IFAUSAGE macro call. This unauthorized request would cause the number of such requests to exceed the unauthorized request limit.

System Action: Processing continues.

User Response: See the *MVS/ESA Support for Measured Usage License Charges* manual for an explanation of the return code.

You may need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Modules: DFHCSDUP, DFHDRPA, DFHDUP, DFHEXP1$, DFHJUP, DFHKETCB, DFHMNDUP, DFHMSCAN, DFHSTUP, DFHTUP, DFHWOS

DFHUP0203 *applid* **USAGE DATA COLLECTION FUNCTION IS NOT AVAILABLE ON THIS SYSTEM. IFAUSAGE RC 16 HAS BEEN ISSUED. MODULE** *module*

Explanation: A return code of 16 has been issued in response to an IFAUSAGE macro call. The usage data collection function is not available on this system.

System Action: Processing continues.

User Response: If SMF usage processing is not available on this system (for example, if apar 0W02855 is not installed), you can ignore this message.

See the *MVS/ESA Support for Measured Usage License Charges* manual for an explanation of the return code.

You may need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Modules: DFHTUP, DFHWOS, DFHKETCB, DFHSIP

DFHUP0204 *applid* **AN INVALID REQUEST HAS BEEN MADE. IFAUSAGE RETURN CODE** *X'code'***. MODULE** *module*

Explanation: The return code X'*code*' has been issued in response to an IFAUSAGE macro call. An invalid request or an internal parameter error has occurred.

System Action: Processing continues.

User Response: If SMF usage processing is not available on this system (for example, if apar 0W02855 is not installed) you can ignore this message.

See the *MVS/ESA Support for Measured Usage License Charges* manual for an explanation of the return code.

You may need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Modules: DFHCSDUP, DFHDRPA, DFHDUP, DFHEXP1$, DFHJUP, DFHKETCB, DFHMNDUP, DFHMSCAN, DFHSTUP, DFHTUP, DFHWOS

DFHUSxxxx messages

DFHUS0001 *applid* **An abend (code** *aaa/bbbb***) has occurred at offset** *X'offset'* **in module** *modname***.**

Explanation: An abnormal end (abend) or program check has occurred in module *modname*. This implies that there may be an error in the CICS code. Alternatively, unexpected data has been input, or storage has been overwritten.

The code *aaa/bbbb* is a 3-digit hexadecimal MVS code (if applicable), followed by a 4-digit alphanumeric CICS code. The MVS code is a system completion code (for example, 0C1 or D37). If an MVS code is not applicable, this field is filled with three hyphens. The CICS code is an abend code or a number referring to a CICS message (for example, AKEA is a CICS abend code; 1310 refers to message DFHTS1310).

System Action: An exception entry is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS continues unless you have specified in the dump table that CICS should terminate. If appropriate, an error return code is sent to the caller of this domain. In this case CICS could be terminated by the caller (for example, the domain manager, DFHDMDM). A message is issued to this effect.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Notify the system programmer. If CICS is still running, it is necessary to decide whether to terminate CICS.

Look up the MVS code, if there is one, in the relevant MVS codes manual which is detailed in the book list in the front of this manual.

Next, look up the CICS alphanumeric code. This tells you, for example, whether the error was a program check, an abend, or a runaway, and may give you some guidance concerning user response.

If module *modname* is not crucial to the running of your CICS system, you may decide to continue to run and bring CICS down at a convenient time to resolve the problem.

If you cannot run without the full use of module *modname* you should bring CICS down in a controlled shutdown.

You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Modules: DFHUSAD, DFHUSDM, DFHUSFL, DFHUSIS, DFHUSST, DFHUSXM

XMEOUT Parameters: *applid, aaa/bbbb, X'offset', modname*

DFHUS0002 *applid* **A severe error (code** *X'code'***) has occurred in module** *modname***.**

Explanation: An error has been detected in module *modname*. The code X'*code*' is the exception trace point ID which uniquely identifies what the error is and where it was detected.

System Action: An exception entry (code X'*code*' in the message) is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS continues unless you have specified in the dump table that CICS should terminate. If appropriate, an error return code is sent to the caller of this domain. In this case, CICS could be terminated by the caller (for example, the domain manager, DFHDMDM). A message is issued to this effect.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: This indicates a possible error in CICS code. The severity of its impact depends on the importance of the function being executed at the time of the error.

CICS may not have been terminated. If the message occurs once and module *modname* is not crucial to the running of your CICS system, you may decide to continue to run and bring CICS down at a convenient time to resolve the problem.

If the message recurs or if you cannot run without the full use of module *modname*, you should bring CICS down in a controlled shutdown.

You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Note: Do not attempt to reroute this message to a transient data queue.

Destination: Console

Modules: DFHUSAD, DFHUSDM, DFHUSFL, DFHUSIS, DFHUSST, DFHUSXM

XMEOUT Parameters: *applid, X'code', modname*

DFHUS0004 *applid* **A possible loop has been detected at offset** *X'offset'* **in module** *modname***.**

Explanation: A CICS function is taking more time to process than CICS expects. A possible loop has been detected in module *modname* at offset X'*offset*'. This is the offset of the instruction which was executing at the time the error was detected.

System Action: An exception entry is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS continues unless you have specified in the dump table that CICS should terminate. If appropriate, an error return code is sent to the caller of this domain. In this case CICS could be terminated by the caller (for example, the domain manager, DFHDMDM). A message is issued to this effect.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Notify the system programmer. If CICS has not been terminated, it is necessary to decide whether the problem is serious enough to bring CICS down.

Since some CICS functions can use a lot of processor time, this message may have been caused by a long-running function. So there may not be an error here. Usually, CICS purges a CICS function which exceeds the runaway task time interval which you have specified in the SIT (this is the ICVR which is measured in milliseconds). This means that module *modname* in the message is terminated and CICS continues.

But if you have declared ICVR=0 in the SIT and you consider that module *modname* has gone into a loop, you have to terminate CICS in order to terminate the runaway function.

If CICS has terminated module *modname*, and you consider that it was not a runaway, you should increase the ICVR time interval in the SIT. You have to bring CICS down at a suitable time to do this permanently. However you can change the ICVR time interval temporarily online, using the CEMT transaction.

If raising the ICVR time does not solve the problem, you will need further assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Note: Do not attempt to reroute this message to a transient data queue.

Destination: Console

Modules: DFHUSAD, DFHUSDM, DFHUSFL, DFHUSIS, DFHUSST, DFHUSXM

XMEOUT Parameters: *applid, X'offset', modname*

DFHUS0006 *applid* **Insufficient storage to satisfy Getmain (code** *X'code'***) in module** *modname***. MVS code** *mvscode***.**

Explanation: An MVS GETMAIN was issued by module *modname*, but there was insufficient storage available to satisfy the request.

The code X'*code*' is the exception trace point ID which uniquely identifies the place where the error was detected.

The code *mvscode* is the MVS GETMAIN return code.

System Action: An exception entry is made in the trace table (code X'*code*'). A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS continues unless you have specified in the dump table that CICS should terminate.

If appropriate, an error return code is sent to the caller of this domain. In this case, CICS could be terminated by the caller (for example, the domain manager, DFHDMDM). A message is issued to this effect.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: If CICS has been terminated by another module, look out for the relevant termination messages (from, for example, the domain manager), and look up the User Response for these messages.

If CICS is still running, the problem may be a temporary one which rights itself if more storage becomes available. If you can manage without module *modname*, you may decide to continue and bring CICS down at a convenient time to resolve the problem. If the message recurs or if you cannot run without the full use of all CICS modules, you should bring CICS down in a controlled shutdown.

You can get diagnostic information about the MVS return code by consulting the relevant MVS codes manual.

Try decreasing the size limits of the DSAs or EDSAs. Or, try increasing the size of the whole region, if it is not already at maximum size. See the *CICS System Definition Guide* or the *CICS Performance Guide* for more information on CICS storage.

Note: Do not attempt to reroute this message to a transient data queue.

Destination: Console

Modules: DFHUSDM, DFHUSAD

XMEOUT Parameters: *applid, X'code', modname, mvscode*

DFHUS0050 *applid* **The default userid** *userid1* **cannot be used by this CICS job with region userid** *userid2***.**

Explanation: The default userid specified in the system initialization parameter DFLTUSER cannot be used by this CICS job.

The region userid for this CICS job is not authorized to use the userid specified in the DFLTUSER system initialization parameter.

System Action: CICS initialization terminates.

User Response: Ensure the default userid and the userid for the CICS region are correct.

If the two userids are correct, obtain the necessary authorization for the default userid to be used by the CICS region userid. This may require the assistance of a security administrator.

Previous messages may have been produced by the job giving additional information.

Destination: Console

Module: DFHUSDM

XMEOUT Parameters: *applid, userid1, userid2*

DFHUS0120 *applid* **An error occurred when performing SNSCOPE checking for a signon request.**

Explanation: The MVS ENQ issued as part of SNSCOPE checking has failed. The return code indicates that the CICS job has reached the limit of concurrent resource requests.

System Action: A system dump is suppressed, unless you have specifically enabled dumps for this dumpcode in the dump table. The request to signon is rejected.

User Response: See the OS/390 MVS Programming Authorized Assembler Services Guide for guidance on increasing the MVS ENQ limit. The MVS ENQ is issued by CICS in an unauthorised state.

Note: Do not attempt to reroute this message to a transient data queue.

Destination: Console

Modules: DFHUSAD, DFHUSFL

XMEOUT Parameter: *applid*

DFHUS0150 *applid* **An attempt to establish security has failed for userid** *userid* **in group** *groupid***,** *{no terminal, | netname | console }portname* **applid** *applid***. Unable to initialize the transaction** *tranid***. SAF codes are (***X'safresp'***,***X'safreas'***). ESM codes are (***X'esmresp'***,***X'esmreas'***).**

Explanation: An attempt was made to establish security for userid *userid* in group *groupid* with access to resources allowed for the terminal or console *portname* and the application *applid*. The attempt was rejected by the external security manager (ESM).

The transaction *tranid* cannot be initialized.

System Action: Security has not been established for the userid. The attempt to initialize the transaction has failed.

User Response: The response and reason codes (*safresp* and *safreas*) returned by the system authorization facility (SAF), and the response and reason codes (*esmresp* and *esmreas*) returned by the external security manager (ESM) are those issued by the RACROUTE REQUEST=VERIFY or RACROUTE REQUEST=EXTRACT macros. These return codes are described in the *OS/390 MVS Programming: Authorized Assembler Services Guide* and in *External Security Interface (RACROUTE) Macro Reference for MVS and VM* (SC28-1366). See these manuals for an explanation of the codes.

There may be further messages produced by CICS or the external security manager (ESM) which provide more information.

Note: Do not attempt to reroute this message to a transient data queue.

Destination: Console

Module: DFHUSXM

XMEOUT Parameters: *applid, userid, groupid, {99=no terminal, , 1=netname , 2=console }, portname, applid, tranid, X'safresp', X'safreas', X'esmresp', X'esmreas'*

DFHUS0200 *date time applid* **User** *userid* **in group** *groupid{ at netname | at console }portname* **has been timed out.**

Explanation: User *userid* in group *groupid* (at terminal *portname* if appropriate) has been removed from this CICS system because the userid has been unused for a period longer than that specified in the USRDELAY system initialization parameter.

System Action: Processing continues.

User Response: See the *CICS System Definition Guide* for more information about USRDELAY.

Destination: CSCS

Module: DFHUSDM

XMEOUT Parameters: *date, time, applid, userid, groupid, {1= at netname , 2= at console }, portname*

DFHWBxxxx CICS Web Interface messages

| Messages in the range 7001-7009 are issued by the
| CICS-supplied ICAPI (Internet Connection Application
| Programming Interface) DLL program, which executes under
| control of the ICSS/390 (Internet Connection Secure Server
| for OS/390) Web server program.

| The messages appear in the log file of the ICSS/390 job.

DFHWB0001 *applid* **An abend (code** *aaa/bbbb***) has occurred at offset** *X'offset'* **in module** *modname***.**

Explanation: An abnormal end (abend) or program check has occurred in module *modname*. This implies that there may be an error in the CICS code. Alternatively, unexpected data has been input, or storage has been overwritten.

The code *aaa/bbbb* is a 3-digit hexadecimal MVS code (if applicable), followed by a 4-digit alphanumeric CICS code. The MVS code is a system completion code (for example, 0C1 or D37). If an MVS code is not applicable, this field is filled with three hyphens. The CICS code is an abend code or a number referring to a CICS message (for example, AKEA is a CICS abend code; 1310 refers to message DFHTS1310).

System Action: An exception entry is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS continues unless you have specified in the dump table that CICS should terminate. If appropriate, an error return code is sent to the caller of this domain. In this case CICS could be terminated by the caller (for example, the domain manager, DFHDMDM). A message is issued to this effect.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Notify the system programmer. If CICS is still running, it is necessary to decide whether to terminate CICS.

Look up the MVS code, if there is one, in the relevant MVS codes manual.

Next, look up the CICS alphanumeric code. This tells you, for example, whether the error was a program check, an abend, or a runaway, and may give you some guidance concerning user response.

If module *modname* is not crucial to the running of your CICS system, you may decide to continue to run and bring CICS down at a convenient time to resolve the problem.
If you cannot run without the full use of module *modname* you should bring CICS down in a controlled shutdown.

You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Module: DFHWBWB

XMEOUT Parameters: *applid, aaa/bbbb, X'offset', modname*

DFHWB0002 *applid* **A severe error (code** *X'code'***) has occurred in module** *modname***.**

Explanation: An error has been detected in module *modname*. The code X'*code*' is the exception trace point ID, which gives an indication of the cause of the error:

- 4643—DFHWBST was called with an invalid format
- 4644—DFHWBST was called with an invalid function
- 4647—The Web State manager was unable to update the Web state token directory when creating a new state block
- 4654—The Web State manager was unable to browse the Web state token directory during garbage collection
- 4652—The Web State manager was unable to perform a LOCK of the Web state data
- 4653—The Web State manager was unable to perform an UNLOCK of the Web state data
- 4683—DFHWBTC was called with an invalid format
- 4684—DFHWBTC was called with an invalid function
- 4685—An error was returned by the LE/370 pre-initialized environment (CEEPIPI)
- 4686—Call to CICS Web 3270 emulator failed

System Action: An exception entry (code X'*code*' in the message) is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response:

You may need further assistance from IBM to resolve this problem. See the *CICS External Interfaces Guide* and Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Modules: DFHWBST, DFHWBTC

XMEOUT Parameters: *applid, X'code', modname*

DFHWB0004 *applid* **A possible loop has been detected at offset** *X'offset'* **in module** *modname***.**

Explanation: A CICS function is taking more time to process than CICS expects. A possible loop has been detected in module *modname* at offset X'*offset*'. This is the offset of the instruction that was executing at the time the error was detected.

System Action: An exception entry is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

Either this is a critical error and CICS is terminated, even if you have specified in the dump table that CICS should not terminate.

Or CICS will continue unless you have specified in the dump table that CICS should terminate. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Notify the system programmer. If CICS has not been terminated, it will be necessary to decide whether the problem is serious enough to bring CICS down.

Because some CICS functions can use a lot of processor time, this message may have been caused by a long-running function. So there may not be an error here. Usually, CICS will purge a CICS function that exceeds the runaway task time interval that you have specified in the SIT (this is the ICVR which is measured in milliseconds). This means that the module *modname* will be terminated and CICS will continue.

If you have declared ICVR=0 in the SIT and you consider that module *modname* has gone into a loop, you will have to terminate CICS in order to terminate the runaway function.

If CICS has terminated module *modname*, and you consider that it was not a runaway, you should increase the ICVR time interval in the SIT. You will have to bring CICS down at a suitable time to do this permanently. However, you can change the ICVR time interval temporarily online, using the CEMT transaction.

If raising the ICVR time does not solve the problem, you may need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Modules: DFHWBST, DFHWBTC

XMEOUT Parameters: *applid, X'offset', modname*

DFHWB0006 *applid* **Insufficient storage to satisfy Getmain (code** *X'code*`)` **in module** *modname***. MVS code** *mvscode***.**

Explanation: An MVS GETMAIN was issued by module *modname* but there was insufficient storage available to satisfy the request.

The code X'*code*' is the exception trace point ID which uniquely identifies the place where the error was detected.

The code *mvscode* is the MVS GETMAIN return code.

During initialization, CICS may not have access to the user's *applid* coded in the SIT. If CICS produces this message in these circumstances, it uses the default *applid* value DBDCCICS.

System Action: CICS will terminate with a system dump. An exception entry is made in the trace table (code *code* in the message).

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Inform the system programmer.

You can get diagnostic information about the MVS return code by consulting the relevant MVS codes manual which is listed in the book list at the front of this book.

Try decreasing the overall size limit of the DSAs or EDSAs. Or, try increasing the size of the whole region, if it is not already at maximum size. If CICS is not already terminated, you will need to bring CICS down to do this. See the *CICS System Definition Guide* or the *CICS Performance Guide* for further information on CICS storage.

Destination: Console

Module: DFHWBST

XMEOUT Parameters: *applid, X'code', modname, mvscode*

DFHWB0100 *date time applid tranid* **The CICS Web Interface program cannot link to program DFHWBBLI. EIBRESP:** *eibresp***. EIBRESP2:** *resp2val***. Host IP address:** *hostaddr***. Client IP address:** *clientaddr***.***{ | TCPIPSERVICE: }tcpipservice*

Explanation: The alias program used EXEC CICS LINK but was unable to link to program DFHWBBLI.

System Action: The link is abandoned. An HTTP response code of 500 (internal server error) is returned to the Web Browser. The alias abends with abend code AWBL.

User Response: Use the CEDA transaction to ensure that program DFHWBBLI has been correctly defined and installed.

Destination: CWBO

Module: DFHWBA

XMEOUT Parameters: *date, time, applid, tranid, eibresp, resp2val, hostaddr, clientaddr, {1= , 2= TCPIPSERVICE: }, tcpipservice*

DFHWB0101 *date time applid tranid* **The CICS Web Interface alias program DFHWBA detected a failure in program DFHWBBLI. Host IP address:** *hostaddr***. Client IP address:** *clientaddr***.***{ | TCPIPSERVICE: }tcpipservice*

Explanation: Program DFHWBBLI has returned an error response to the alias.

System Action: The request is abandoned. The error response returned by program DFHWBBLI is returned to the Web Browser in an HTTP response:

403 The userid associated with the request is not authorized to invoke the requested converter program, or the requested server program.

404 A link to the converter program or to the server program failed because CICS could not locate the requested program.

500 A link to the converter program or to the server program failed with an unexpected error.

503 A link to the converter program or to the server program failed for one of the following reasons:

- The server program is defined as remote, but the link to this program failed with a SYSID error, so the remote connection is either not defined correctly, or not active.
- The link to the converter or the server program failed with the ROLLEDBACK response.

The alias abends with abend code AWBM.

User Response: Check program DFHWBBLI and the programs which it calls.

Destination: CWBO

Module: DFHWBA

XMEOUT Parameters: *date, time, applid, tranid, hostaddr, clientaddr, {1= , 2= TCPIPSERVICE: }, tcpipservice*

DFHWB0102 *date time applid tranid* **The CICS Web Interface alias program has received an incorrect response on a call made to CICS during alias initialization. EIBRESP:** *eibresp* **EIBRESP2:** *resp2val***.***{ | TCPIPSERVICE: }tcpipservice*

Explanation: The alias program has received an unexpected response on a call made to CICS during alias initialization.

System Action: The alias abends with abend code AWBI.

User Response: You may need further assistance from IBM to resolve this problem. See the *CICS External Interfaces Guide* and Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CWBO

Module: DFHWBA

XMEOUT Parameters: *date, time, applid, tranid, eibresp, resp2val, {1= , 2= TCPIPSERVICE: }, tcpipservice*

DFHWB0103 *date time applid tranid* **The CICS Web Interface alias program has received an error response (code** *X'code'***) on a call made to CICS during alias initialization.***{ | TCPIPSERVICE: }tcpipservice*

Explanation: The alias program was unable to locate the START data for this request, or the START data was invalid. The error response code X'*code*' is the exception trace point id that uniquely identifies which error has occurred. A code of '4565'X means that the START data was missing, and '4566'X means that the START data was invalid.

System Action: The alias abends with abend code AWBF and a trace entry is made in the trace table.

User Response: The alias program DFHWBA is only to be used for alias transactions started by the CICS Web Interface. User-written applications should not be starting alias transactions, as data passed to the alias will not be in the expected format.

Destination: CWBO

Module: DFHWBA

XMEOUT Parameters: *date, time, applid, tranid, X'code', {1= , 2= TCPIPSERVICE: }, tcpipservice*

DFHWB0106 *date time applid tranid* **The CICS Web Interface program DFHWBA has detected an error.***{ | TCPIPSERVICE: }tcpipservice*

Explanation: The alias had detected an error.

System Action: A system dump is taken. The alias abends with abend code AWBH. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Examine the diagnostics to determine the reason for the error.

Destination: CWBO

Module: DFHWBA

XMEOUT Parameters: *date, time, applid, tranid, {1= , 2= TCPIPSERVICE: }, tcpipservice*

DFHWB0108 *date time applid tranid* **The CICS Web Interface alias program has detected an abend. Host IP address:** *hostaddr***. Client IP address:** *clientaddr***.***{ | TCPIPSERVICE: }tcpipservice*

Explanation: The alias has detected an abend.

System Action: The alias abends with abend code AWBK.

User Response: Examine the diagnostics to determine the reason for the error.

Destination: CWBO

Module: DFHWBA

XMEOUT Parameters: *date, time, applid, tranid, hostaddr, clientaddr, {1= , 2= TCPIPSERVICE: }, tcpipservice*

DFHWB0109I *applid* **Web domain initialization has started.**

Explanation: This is an informational message indicating the start of Web domain initialization.

System Action: CICS initialization continues.

User Response: None. You can suppress this message with the system initialization parameter, MSGLVL=0.

Destination: Console

Module: DFHWBDM

XMEOUT Parameter: *applid*

DFHWB0110I *applid* **Web domain initialization has ended.**

Explanation: Web domain initialization has completed successfully.

System Action: CICS initialization continues.

User Response: None. You can suppress this message with the system initialization parameter, MSGLVL=0.

Destination: Console

Module: DFHWBDM

XMEOUT Parameter: *applid*

DFHWB0111 *applid* **WB Domain initialization failed. Reason Code:** *X'rc'***.**

Explanation: The CICS Web domain initialization failed with reason code *rc*.

System Action: CICS initialization continues. Subsequent calls to the components of the CICS Web environment may fail.

User Response: Use the reason code *rc* to determine why initialization failed. The possible reasons are:

1	Storage for the Web anchor block could not be obtained.
5	Storage for the State Manager anchor block could not be obtained.
6	The creation of the State Token Directory failed.
7	The subpool required for state management could not be added.
8	The subpool required for HTTP buffers could not be added.
9	The addition of the Web State Manager lock failed.
A	The subpool required for 3270 buffers could not be added.
B	The initialization of the webrequest class failed.

Destination: Console

Module: DFHWBDM

XMEOUT Parameters: *applid, X'rc'*

DFHWB0117 *date time applid tranid* **The CICS Web Interface program DFHWBBLI has received a corrupt parameter list from the converter program** *program_name* **during** *{Decode | Encode}* **processing.***{ | TCPIPSERVICE: }tcpipservice*

Explanation: Program DFHWBBLI received an error response from the converter program *program_name* during either Decode or Encode processing, and the parameter list being passed was corrupt.

System Action: An error message is sent to the client and an exception trace entry is made in the trace table.

User Response: Ensure that the converter program being used is correct.

Destination: CWBO

Module: DFHWBBLI

XMEOUT Parameters: *date, time, applid, tranid, program_name, {4=Decode, 5=Encode}, {1= , 2= TCPIPSERVICE: }, tcpipservice*

DFHWB0118 *date time applid tranid* **The CICS Web Interface program DFHWBBLI has detected an error.***{ | TCPIPSERVICE: }tcpipservice*

Explanation: Program DFHWBBLI has detected an error.

System Action: A system dump is taken. The transaction abends with abend code AWBR. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Examine the diagnostics to determine the reason for the error.

Destination: CWBO

Module: DFHWBBLI

XMEOUT Parameters: *date, time, applid, tranid, {1= , 2= TCPIPSERVICE: }, tcpipservice*

DFHWB0119 *date time applid tranid* **The CICS Web Interface program DFHWBBLI has been started incorrectly.***{ | TCPIPSERVICE: }tcpipservice*

Explanation: Program DFHWBBLI has detected an error while validating initialization information. This probably means that the program has been started incorrectly.

System Action: The transaction abends with abend code AWBQ.

User Response: Check that the program was not started by a transient data trigger level or by a CECI user.

Destination: CWBO

Module: DFHWBBLI

XMEOUT Parameters: *date, time, applid, tranid, {1= , 2= TCPIPSERVICE: }, tcpipservice*

DFHWB0120 *date time applid tranid* **The CICS Web Interface program DFHWBBLI cannot link to program** *program_name***. EIBRESP:** *eibresp* **EIBRESP2:** *resp2val***.***{ | TCPIPSERVICE: }tcpipservice*

Explanation: Program DFHWBBLI used an EXEC CICS LINK but was unable to link to the given program and an EIB response was returned.

System Action: The link is abandoned.

User Response: Ensure that the program definition is correct.

Destination: CWBO

Module: DFHWBBLI

XMEOUT Parameters: *date, time, applid, tranid, program_name, eibresp, resp2val, {1= , 2= TCPIPSERVICE: }, tcpipservice*

DFHWB0121 *date time applid tranid* **The CICS Web Interface program DFHWBBLI encountered an error during Decode processing in the converter** *program***. Response code:** *respcode***, reason code:** *reasoncode***.***{ | TCPIPSERVICE: }tcpipservice*

Explanation: The Decode function of the converter has returned an error.

System Action: An error message is sent to the client.

User Response: The response code insert gives the RESPONSE code returned by the converter program. The reason code insert gives the REASON code returned by the converter program.

The values defined by CICS for these fields are defined in copybook DFHWBUCD. The CICS defined values for the RESPONSE code are:

0 OK

4 Exception

8 Invalid data supplied

16 Disaster

The CICS defined values for the REASON code are:

1 Security failure

2 Corrupt client data

Users can architect their own response and reason code values to be returned by the analyzer, but they should use values other than those defined in the CICS supplied copybook DFHWBUCD.

Examine the response and reason codes returned to determine the cause of the error.

Destination: CWBO

Module: DFHWBBLI

XMEOUT Parameters: *date, time, applid, tranid, program, respcode, reasoncode, {1= , 2=TCPIPSERVICE: }, tcpipservice*

DFHWB0122 *date time applid tranid* **The CICS Web Interface program DFHWBBLI encountered an error during Encode processing in the converter** *program***. Response code:** *respcode***, reason code:** *reasoncode***.***{ | TCPIPSERVICE: }tcpipservice*

Explanation: The Encode function of the converter program has returned an error.

System Action: An error message is sent to the client.

User Response: The response code insert gives the RESPONSE code returned by the converter program. The reason code insert gives the REASON code returned by the converter program.

The values defined by CICS for these fields are defined in copybook DFHWBUCD. The CICS defined values for the RESPONSE code are:

0 OK

4 Exception

8 Invalid data supplied

16 Disaster

The CICS defined values for the REASON code are:

1 Security failure

2 Corrupt client data

Users can architect their own response and reason code values to be returned by the analyzer, but they should use values other than those defined in the CICS supplied copybook DFHWBUCD.

Examine the response and reason codes returned to determine the cause of the error.

Destination: CWBO

Module: DFHWBBLI

XMEOUT Parameters: *date, time, applid, tranid, program, respcode, reasoncode, {1= , 2=TCPIPSERVICE: }, tcpipservice*

DFHWB0123 *date time applid tranid* **The CICS Web Interface program DFHWBA1 has detected an error.***{ | TCPIPSERVICE: }tcpipservice*

Explanation: Program DFHWBA1 has detected an error.

System Action: A system dump is taken. The transaction abends with abend code AWBR. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Examine the diagnostics to determine the reason for the error.

Destination: CWBO

Module: DFHWBA1

XMEOUT Parameters: *date, time, applid, tranid, {1= , 2= TCPIPSERVICE: }, tcpipservice*

DFHWB0124 *date time applid tranid* **The CICS Web Interface program DFHWBA1 has been started incorrectly.***{ | TCPIPSERVICE: }tcpipservice*

Explanation: Program DFHWBA1 has detected an error while validating initialization information. This probably means that the program has been started incorrectly.

System Action: The transaction abends with abend code AWBQ.

User Response: Check that the program was not started by a transient data trigger level or by a CECI user.

Destination: CWBO

Module: DFHWBA1

XMEOUT Parameters: *date, time, applid, tranid, {1= , 2= TCPIPSERVICE: }, tcpipservice*

DFHWB0125 *date time applid tranid* **The CICS Web Interface program DFHWBBLI has detected an abend issued by the program** *program.{ | TCPIPSERVICE: }tcpipservice*

Explanation: Program DFHWBBLI has detected an abend by the program that was servicing the request.

System Action: The alias returns control to the caller.

User Response: Examine the diagnostics to determine the reason for the error.

Destination: CWBO

Module: DFHWBBLI

XMEOUT Parameters: *date, time, applid, tranid, program, {1= , 2= TCPIPSERVICE: }, tcpipservice*

DFHWB0126 *date time applid tranid* **The CICS Web Interface program DFHWBBLI has detected an abend issued by Encode in converter program** *program.{ | TCPIPSERVICE: }tcpipservice*

Explanation: Program DFHWBBLI has detected an abend by the program that was servicing the request during Encode processing.

System Action: The alias returns control to the caller.

User Response: Examine the diagnostics to determine the reason for the error.

Destination: CWBO

Module: DFHWBBLI

XMEOUT Parameters: *date, time, applid, tranid, program, {1= , 2= TCPIPSERVICE: }, tcpipservice*

DFHWB0127 *date time applid tranid* **The CICS Web Interface program DFHWBBLI has detected an abend issued by Decode in converter** *program.{ | TCPIPSERVICE: }tcpipservice*

Explanation: Program DFHWBBLI has detected an abend by the converter that was servicing the request during Decode processing.

System Action: The alias returns control to the caller.

User Response: Examine the diagnostics to determine the reason for the error.

Destination: CWBO

Module: DFHWBBLI

XMEOUT Parameters: *date, time, applid, tranid, program, {1= , 2= TCPIPSERVICE: }, tcpipservice*

DFHWB0128 *date time applid tranid* **An error has been detected by program** *program.{ | TCPIPSERVICE: }tcpipservice*

Explanation: Program DFHWBBLI has detected an error.

System Action: The alias returns control to the caller.

User Response: Examine the diagnostics to determine the reason for the error.

Destination: CWBO

Module: DFHWBBLI

XMEOUT Parameters: *date, time, applid, tranid, program, {1= , 2= TCPIPSERVICE: }, tcpipservice*

DFHWB0130 *date time applid tranid* **No state token passed to program DFHWBLT.***{ | TCPIPSERVICE: }tcpipservice*

Explanation: Program DFHWBLT was not passed the expected state token.

System Action: The transaction abends with code AWC2, and an exception trace entry 410C is written.

User Response: You may need further assistance from IBM to resolve this problem. See the *CICS External Interfaces Guide* and Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CWBO

Module: DFHWBLT

XMEOUT Parameters: *date, time, applid, tranid, {1= , 2= TCPIPSERVICE: }, tcpipservice*

DFHWB0131 *date time applid tranid* **An error code** *X'code'* **occurred in DFHWBLT while accessing the Web state data for this transaction.***{ | TCPIPSERVICE: }tcpipservice*

Explanation: The Web Bridge Exit program, DFHWBLT, has detected an error when attempting to access the Web state data held for this transaction.

System Action: An exception trace entry is made in the trace table using code X'*code*. The transaction abends with abend code AWC1 if the Bridge Exit was trying to establish a partnership with the CICS Web Interface alias transaction.

User Response:

Use the error code *code* to determine the reason for the failure:

4106 Unable to establish a partnership with the associated CICS Web Interface alias transaction.

4107 A call to terminate the partnership between this instance of DFHWBLT and its associated CICS Web Interface alias transaction failed.

4108 A call to wait for the CICS Web Interface alias transaction associated with this instance of DFHWBLT failed.

4109 A call to reactivate the CICS Web Interface alias transaction associated with this instance of DFHWBLT failed.

4116 A call to suspend this instance of DFHWBLT failed.

4112 A call to update the state data for this transaction failed.

4113 A call to retrieve the state data for this transaction failed.

4114 The alias task associated with this instance of DFHWBLT was not in the required state.

411B A call to destroy the state data for this instance of DFHWBLT failed.

The most likely cause of the error is that the timeout interval for the Web state data has been exceeded, and the relevant state data has been deleted. Check that the timeout interval for the state data is set to a suitable value. You may need further assistance from IBM to resolve this problem. See the *CICS External Interfaces Guide* and Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CWBO

Module: DFHWBLT

XMEOUT Parameters: *date, time, applid, tranid, X'code', {1= , 2= TCPIPSERVICE: }, tcpipservice*

DFHWB0132 *date time applid tranid* **Program DFHWBLT terminated due to storage problems.***{ | TCPIPSERVICE: }tcpipservice*

Explanation: A getmain for storage issued by DFHWBLT failed. Without the storage, processing cannot continue.

System Action: The transaction abends with code AWC5, and an exception trace entry 410D is written.

User Response: If this error occurs repeatedly, you may need to examine the storage setup of your CICS system. Refer to the *CICS Customization Guide* for further information on controlling CICS storage.

Destination: CWBO

Module: DFHWBLT

XMEOUT Parameters: *date, time, applid, tranid, {1= , 2= TCPIPSERVICE: }, tcpipservice*

DFHWB0133 *date time applid tranid* **Error** *X'code'* **occurred during CICS Web 3270 transaction processing.***{ | TCPIPSERVICE: }tcpipservice*

Explanation: Program DFHWBTTA detected an error when attempting to attach the Web bridge transaction or the Web 3270 Bridge exit program DFHWBLT encountered an internal error.

System Action: The transaction returns an internal server error (HTTP response 500) to the HTTP client.

User Response: The error code *code* identifies the CICS trace entry that corresponds to the failure. You may determine the transaction identifier of the Web bridge transaction from this entry and its significant characteristics.

Collect the CICS trace output. You may need further assistance from IBM to resolve this problem. See the *CICS External Interfaces Guide* and Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CWBO

Modules: DFHWBTTA, DFHWBLT

XMEOUT Parameters: *date, time, applid, tranid, X'code', {1= , 2= TCPIPSERVICE: }, tcpipservice*

DFHWB0134 *date time applid tranid* **Error** *X'code'* **occurred resolving the AID from HTTP forms data in the CICS Web terminal translation application.***{ | TCPIPSERVICE: }tcpipservice*

Explanation: Program DFHWBTTA is unable to resolve an attention identifier from the HTTP forms data returned from a web browser. DFHWBTTA translates the HTTP forms data into the correct 3270 format required by the CICS terminal-oriented transaction that is the target of this request. The attention identifier or AID is a mandatory part of this format. DFHWBTTA cannot locate a `name=value` pair in the HTTP forms data that adheres to the naming convention defined by the CICS Web Interface to represent an AID, and so cannot return an AID value to the terminal-oriented transaction.

System Action: DFHWBTTA returns an internal server error (HTTP response 500) to the HTTP client, and terminates the exchange with the terminal-oriented transaction.

User Response: The error code *code* identifies the CICS trace entry that corresponds to the failure. The HTTP forms data is produced as trace data. Collect the CICS trace output. Examine the HTTP forms data to determine what was returned from the web browser. Identify what HTML input type caused the web browser to submit the HTML form. Corruption of the HTTP forms data may be the cause of the problem. You may need further assistance from IBM to resolve this problem. See the *CICS External Interfaces Guide* and Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CWBO

Module: DFHWBTTA

XMEOUT Parameters: *date, time, applid, tranid, X'code', {1= , 2= TCPIPSERVICE: }, tcpipservice*

DFHWB0135 *date time applid tranid* **Error** *X'code'* **occurred resolving the next transaction identifier from HTTP forms data in the CICS Web terminal translation application.***{ | TCPIPSERVICE: }tcpipservice*

Explanation: Program DFHWBTTA is unable to resolve the next transaction identifier from the HTTP forms data returned from a web browser. DFHWBTTA translates the HTTP forms data and extracts the identifier of the next transaction to be executed. DFHWBTTA cannot locate a `name=value` pair in the HTTP forms data that adheres to the naming convention defined by CICS to represent the next transaction identifier and so it cannot determine which terminal-oriented transaction to start.

System Action: DFHWBTTA returns an internal server error (HTTP response 500) to the HTTP client.

User Response: The error code *code* identifies the CICS trace entry that corresponds to the failure. The HTTP forms data is produced as trace data. Collect the CICS trace output. Examine the

HTTP forms data to determine what was returned from the web browser. Corruption of the HTTP forms data may be the cause of the problem. You may need further assistance from IBM to resolve this problem. See the *CICS External Interfaces Guide* and Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CWBO

Module: DFHWBTTA

XMEOUT Parameters: *date, time, applid, tranid, X'code', {1= , 2= TCPIPSERVICE: }, tcpipservice*

DFHWB0136 *date time applid tranid* **An error code** *X'code'* **has occurred as a result of the Web State Garbage Collection process.***{ | TCPIPSERVICE: }tcpipservice*

Explanation: Program DFHWBLT detected an error when attempting to access the Web state data held for this transaction. The transaction wait time has exceeded the garbage collection limit and the state block has been deleted by the garbage collection process.

System Action: If the error occurs in DFHWBLT, a TERMERR condition is returned to the application and processing continues. If the error occurs in DFHWBTTA, an error response is sent to the browser and processing continues.

User Response:

Use the error code *code* to determine which module received the error:

4108 The error occurred in DFHWBLT.

420B The error occurred in DFHWBTTA.

The cause of the error is that the garbage collection interval for the Web state data has been exceeded, and the relevant state data has been deleted. Check that the garbage collection interval for the state data is set to a suitable value. See the *CICS External Interfaces Guide* and Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CWBO

Modules: DFHWBLT, DFHWBTTA

XMEOUT Parameters: *date, time, applid, tranid, X'code', {1= , 2= TCPIPSERVICE: }, tcpipservice*

DFHWB0137 *date time applid tranid* **An error code** *X'code'* **occurred in DFHWBTTA while accessing the Web state data for this transaction.***{ | TCPIPSERVICE: }tcpipservice*

Explanation: The Web Terminal Translation Application program, DFHWBTTA, has detected an error when attempting to access the Web state data held for this transaction.

System Action: An exception trace entry is made in the trace table using code X'*code*.

User Response:

Use the error code *code* to determine the reason for the failure:

4203 Unable to establish a partnership with the associated CICS Web Interface alias transaction.

4204 Unable to initialize a partnership with the associated CICS Web Interface alias transaction.

4205 The alias task associated with this instance of DFHWBTTA was not in the required state.

4206 A call to create the state data for this instance of DFHWBTTA failed.

4207 A call to destroy the state data for this instance of DFHWBTTA failed.

4208 A call to retrieve the state data for this instance of DFHWBTTA failed.

4209 A call to break the established partnership between the associated transaction and DFHWBTTA has failed.

420A A call to reactivate the CICS Web Interface alias transaction associated with this instance of DFHWBTTA failed.

420B A call to wait for the CICS Web Interface alias transaction associated with this instance of DFHWBTTA failed.

420C A call to terminate the partnership between this instance of DFHWBTTA and its associated CICS Web Interface alias transaction failed.

4213 A call to update the state data for this transaction failed.

The most likely cause of the error is that the timeout interval for the Web state data has been exceeded, and the relevant state data has been deleted. Check that the timeout interval for the state data is set to a suitable value. You may need further assistance from IBM to resolve this problem. See the *CICS External Interfaces Guide* and Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CWBO

Module: DFHWBTTA

XMEOUT Parameters: *date, time, applid, tranid, X'code', {1= , 2= TCPIPSERVICE: }, tcpipservice*

DFHWB0150 *date time applid tranid* **The CICS HTML template manager could not locate template** *template_name* **in the HTML template data set.***{ | TCPIPSERVICE: }tcpipservice*

Explanation: The CICS HTML template manager DFHWBTL could not find template name *template_name* in the HTML data set.

System Action: Because 3270 / HTML conversion cannot be performed without the template, CICS returns a TERMERR condition to the application. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Make sure that the template exists in the template library. See the *CICS External Interfaces Guide* for guidance on how to create HTML templates. Report the details of the symptom string given in message DFHME0116.

Destination: CWBO

Module: DFHWBTC

XMEOUT Parameters: *date, time, applid, tranid, template_name, {1= , 2= TCPIPSERVICE: }, tcpipservice*

DFHWB0151 *date time applid tranid* **The CICS Web Interface 3270 emulation code was unable to process the data it was passed.***{ | TCPIPSERVICE: }tcpipservice*

Explanation: The CICS Web Interface routine that converts 3270 data streams to HTML, and vice versa, has detected an error. This is probably because it has been passed an invalid 3270 data stream on an EXEC CICS SEND command, or because the browser has returned some data that it is incapable of handling in response to an EXEC CICS RECEIVE command.

System Action: The transaction is abended with code AEIP (INVREQ). There will be subsequent messages from the web state management code as it tidies up for the abending task. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Use CEDX or trace to look at the data that was in error and then correct the sending application. Report the details of the symptom string given in message DFHME0116.

Destination: CWBO

Module: DFHWBTC

XMEOUT Parameters: *date, time, applid, tranid, {1= , 2= TCPIPSERVICE: }, tcpipservice*

DFHWB0500I *date time applid tranid* **CICS Web Interface enable processing is complete. Host IP address:** *hostaddr***.**

Explanation: The enable process has completed successfully.

System Action: Processing continues.

User Response: None.

Destination: Console and Transient Data Queue CWBO

Module: DFHWBM

XMEOUT Parameters: *date, time, applid, tranid, hostaddr*

DFHWB0551 *date time applid tranid* **The CICS Web Interface server controller detected an abend ACN1 processing a request from client** *clientaddr***. Host IP address:** *hostaddr***.**

Explanation: The HTTP caller detected an error after invoking program DFHCCNV to perform data conversion on incoming data.

System Action: If there is no DFHCNV table defined, the CICS Web Interface cannot perform data conversion on incoming data. An exception disable of the CICS Web Interface is initiated. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Ensure that there is a valid DFHCNV table link-edited into one of the libraries in the DFHRPL library concatenation.

Destination: CWBO

Module: DFHWBM

XMEOUT Parameters: *date, time, applid, tranid, clientaddr, hostaddr*

DFHWB0723 *date time applid tranid* **The CICS Web analyzer program returned an error response. Program name:** *progname***. RESPONSE:** *response***. REASON:** *reason***. Host IP address:** *hostaddr***. Client IP address:** *clientaddr***.{ | TCPIPSERVICE: }tcpipservice**

Explanation: As part of its normal processing of a request, CICS Web attach processing invokes the user replaceable analyzer to tailor the required actions. This program returns RESPONSE and REASON values. If a CICS supplied sample analyzer is being used, possible RESPONSE code values are:

0 OK

4 Exception

8 Invalid

12. Disaster

possible REASON code values are:

1 URL of incoming HTTP request is too short

2 No "/" character in the URI of the HTTP request

3. There is more data to be received for this request

4 Converter program name is less than 1 or greater than 8 bytes long

5 Alias transaction ID is less than 1 or greater than 4 bytes long

6 Server program name is less than 1 or greater than 8 bytes long

7 User token passed as query string data on this request is not valid

8 URL passed on this request is not valid

Users can also architect their own response and reason code values to be returned by the analyzer, but they should use values other than those defined in the CICS supplied copybook DFHWBUCD.

If the host IP address and the client IP address are not available when this error occurred, these addresses will be displayed as "UNKNOWN" in the message.

System Action: An error response is sent to the client and processing of the request is terminated.

User Response: Examine the RESPONSE and REASON code values in the message to determine the cause of the error.

Destination: CWBO

Module: DFHWBXN

XMEOUT Parameters: *date, time, applid, tranid, progname, response, reason, hostaddr, clientaddr, {1= , 2= TCPIPSERVICE: }, tcpipservice*

DFHWB0724 *date time applid tranid* **CICS Web attach processing detected an error linking to the codepage conversion module DFHCCNV. Host IP address:** *hostaddr***. Client IP address:** *clientaddr***.{ | TCPIPSERVICE: }tcpipservice**

Explanation: An error linking to program DFHCCNV has forced CICS Web attach processing to abandon a client request. If the host IP address and the client IP address are not available when this error occurred, these addresses will be displayed as "UNKNOWN.

System Action: A system dump is taken. An error response is sent to the client and the request is terminated. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: You may need further assistance from IBM to resolve this problem. See the *CICS External Interfaces Guide* and Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed. Report the details of the symptom string given in message DFHME0116.

Destination: CWBO

Module: DFHWBXN

XMEOUT Parameters: *date, time, applid, tranid, hostaddr, clientaddr, {1= , 2= TCPIPSERVICE: }, tcpipservice*

DFHWB0725 *date time applid tranid* **CICS Web attach processing detected an error linking to the analyzer user replaceable module** *progname***. Host IP address:** *hostaddr***. Client IP address:** *clientaddr***.{ | TCPIPSERVICE: }***tcpipservice*

Explanation: An error linking to the Analyzer user replaceable module forced CICS Web attach processing to abandon a client request. If the host IP address and the client IP address are not available when this error occurred, these addresses will be displayed as "UNKNOWN.

System Action: An error response is sent to the client and the request is terminated. The tcpipservice remains open but unusable.

User Response: Ensure that the program specified has been correctly installed and defined to CICS. If the user replaceable module (URM) has been set dynamically using CEMT or the SPI command, then ensure that the module is defined to CICS and enabled, or available in the library if autoinstall is active.

Destination: CWBO

Module: DFHWBXN

XMEOUT Parameters: *date, time, applid, tranid, progname, hostaddr, clientaddr, {1= , 2=TCPIPSERVICE: }, tcpipservice*

DFHWB0726 *date time applid tranid* **CICS Web attach processing cannot link to the analyzer user replaceable program. No analyzer specified. Host IP address:** *hostaddr***. Client IP address:** *clientaddr***.{ | TCPIPSERVICE: }***tcpipservice*

Explanation: CICS Web attach processing cannot invoke the analyzer user replaceable module because none was specified for the TCPIPSERVICE associated with the request being processed. If the host IP address and the client IP address are not available when this error occurred, these addresses will be displayed as "UNKNOWN.

System Action: An error response is sent to the client and the request is terminated. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Use CEMT SET TCPIPSERVICE to specify an analyzer name on the URM parameter. CEDA can be used to alter the stored definitions. The URM name for CICS Web TCPIPSERVICEs (those TCPIPSERVICEs which have CWXN specified as the transaction ID) MUST specify a valid analyzer program name for the URM keyword.

Destination: CWBO

Module: DFHWBXN

XMEOUT Parameters: *date, time, applid, tranid, hostaddr, clientaddr, {1= , 2= TCPIPSERVICE: }, tcpipservice*

DFHWB0727 *date time applid tranid* **CICS Web Interface attach processing could not attach the requested alias transaction** *tranid***. Userid:** *userid***. Host IP address:** *hostaddr***. Client IP address:** *clientaddr***.{ | TCPIPSERVICE: }***tcpipservice*

Explanation: Web attach processing could not attach a new task with the requested alias transaction ID *tranid*. An error response is sent to the client and processing of the request is terminated with abend code AWB2. If the host IP address and the client IP address are not available when this error occurred, these addresses will be displayed as "UNKNOWN.

User Response: Ensure that the alias transaction ID supplied by the Analyzer user-replaceable program has been defined to CICS.

Destination: CWBO

Module: DFHWBXN

XMEOUT Parameters: *date, time, applid, tranid, tranid, userid, hostaddr, clientaddr, {1= , 2= TCPIPSERVICE: }, tcpipservice*

DFHWB0728 *date time applid tranid* **CICS Web attach processing detected a storage error within the Web receive module DFHWBSR. Host IP address:** *hostaddr***. Client IP address:** *clientaddr***.{ | TCPIPSERVICE: }***tcpipservice*

Explanation: A storage error in program DFHWBSR has forced CICS Web attach processing to abandon a client request. If the host IP address and the client IP address are not available when this error occurred, these addresses will be displayed as "UNKNOWN."

System Action: An error response is sent to the client and the request is terminated.

User Response: The most probable cause of this error is there being insufficient storage to process the client request. This failure may indicate that you need to increase the size limits of the EDSAs. EDSA storage limits are specified by the EDSALIM system initialization parameter. See the *CICS System Definition Guide* for more guidance on EDSALIM.

Destination: CWBO

Module: DFHWBXN

XMEOUT Parameters: *date, time, applid, tranid, hostaddr, clientaddr, {1= , 2= TCPIPSERVICE: }, tcpipservice*

DFHWB0730 *date time applid tranid* **CICS Web attach processing encountered an internal error while processing a client request. Client IP address:** *clientaddr* **Host IP address:** *hostaddr***.{ | TCPIPSERVICE: }***tcpipservice*

Explanation: An internal error has forced CICS Web processing to abandon a client request. If the host IP address and the client IP address are not available when this error occurred, these addresses will be displayed as "UNKNOWN."

System Action: A system dump is taken. An error response is sent to the client and the request is terminated. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: You may need further assistance from IBM to resolve this problem. See the *CICS External Interfaces Guide* and Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed. Report the details of the symptom string given in message DFHME0116.

Destination: CWBO

Module: DFHWBXN

XMEOUT Parameters: *date, time, applid, tranid, clientaddr, hostaddr, {1= , 2= TCPIPSERVICE: }, tcpipservice*

DFHWB0731 *date time applid tranid* **CICS Web attach processing detected an HTTP header longer than 32767 bytes. Host IP address:** *hostaddr***. Client IP address:** *clientaddr***.***{ | TCPIPSERVICE: }tcpipservice*

Explanation: An HTTP request was being received by DFHWBSR when it detected that the header data of the request exceeded the currently supported maximum of 32767 bytes. If the host IP address and the client IP address are not available when this error occurred, these addresses will be displayed as "UNKNOWN".

System Action: Trace entry 0418 is issued containing the web request block. The length of the HTTP header data can be inferred from the user_data_offset field.

User Response: Examine the input HTTP request and reduce the length of the header information to be within the allowed limit. See the *CICS External Interfaces Guide* and Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CWBO

Module: DFHWBXN

XMEOUT Parameters: *date, time, applid, tranid, hostaddr, clientaddr, {1= , 2= TCPIPSERVICE: }, tcpipservice*

DFHWB0732 *date time applid tranid* **CICS Web attach processing encountered a sockets I/O error while receiving a client request. Client IP address:** *clientaddr***. Host IP address:** *hostaddr***.***{ | TCPIPSERVICE: }tcpipservice*

Explanation: A sockets I/O error has forced CICS Web processing to abandon a client request. If the host IP address and the client IP address are not available when this error occurred, these addresses will be displayed as "UNKNOWN."

System Action: The Web error program DFHWBEP is driven, but no error response can be sent to the client. The request is terminated.

User Response: Check for any associated sockets domain error messages, which may give more details on the error which has occurred. The error may have been caused by a user terminating their Web Browser before CICS has been able to process the request. If the problem persists, there may be a problem with the TCP/IP network. See the *CICS External Interfaces Guide* and Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CWBO

Module: DFHWBXN

XMEOUT Parameters: *date, time, applid, tranid, clientaddr, hostaddr, {1= , 2= TCPIPSERVICE: }, tcpipservice*

DFHWB1007 *applid* **Initializing CICS Web environment.**

Explanation: Module DFHWBIP has been invoked to initialize the CICS Web 3270 environment.

System Action: Processing continues.

User Response: None.

Destination: Console

Module: DFHWBIP

XMEOUT Parameter: *applid*

DFHWB1008 *applid* **CICS Web environment initialization is complete.**

Explanation: The CICS Web 3270 environment has been initialized, and it is now ready to process Web-related work.

System Action: Processing continues.

User Response: None.

Destination: Console

Module: DFHWBIP

XMEOUT Parameter: *applid*

DFHWB1009 *applid* **CICS Web environment initialization failed. Reason Code:** *X'rc'***.**

Explanation: The CICS Web 3270 environment initialization failed with reason code *rc*.

System Action: CICS initialization continues. Subsequent calls to the components of the CICS Web environment may fail.

User Response: Use the reason code *rc* to determine why initialization failed. The possible reasons are:

1	Storage for the Web anchor block could not be obtained.
3	Load for module DFHWBST failed.
4	Load for module DFHWBTC failed.
5	Storage for the State Manager anchor block could not be obtained.
6	The creation of the State Token Directory failed.
7	The subpool required for state management could not be added.
8	The subpool required for HTTP buffers could not be added.
9	The addition of the WBST lock failed.
A	Load for module DFHWBIP failed.

Reason codes 1 to 9 originate in DFHWBIP. Reason code A originates from DFHSIJ1.

Destination: Console

Modules: DFHWBIP, DFHSIJ1

XMEOUT Parameters: *applid, X'rc'*

DFHWB1020 *date time applid* **CICS Web State Manager could not find state data for state token** *stoken* **for a** *{destroy | retrieve | store}* **request.***{ | TCPIPSERVICE: }tcpipservice*

Explanation: The CICS Web State Manager could not find the state data for the state token *stoken* or the supplied state token *stoken* does not exist.

System Action: The requested state data cannot be destroyed, updated or retrieved by the Web State Manager. An exception trace entry is made in the trace table.

User Response: Ensure that the supplied state token *stoken* is correct. On a busy CICS region, the most likely cause of this error is that the state data has been discarded by the Web garbage collection process before the Web state manager could access it. Check that the system initialization *WEBDELAY* parameters are appropriate values. See the *CICS System Definition Guide* for

guidance on setting the values of the Web garbage collection interval and the Web terminal timeout interval.

Destination: CWBO

Module: DFHWBST

XMEOUT Parameters: *date, time, applid, stoken, {1=destroy, 2=retrieve, 3=store}, {1= , 2= TCPIPSERVICE: }, tcpipservice*

DFHWB1021 *date time applid* **CICS Web State Manager could not find state data for state token** *stoken* **in order to perform the** *{initialize partnership | make partnership | break partnership | trigger partner | wait for partner | query partner | terminate partnership}* **request for task number** *taskid***, CICS unit of work id** *X'cuowid'***.***{ | TCPIPSERVICE: }tcpipservice*

Explanation: The CICS Web State Manager could not find the state data for the state token *stoken* because the supplied state token *stoken* does not exist. The running task is task number *taskid* and the associated CICS unit of work id is *cuowid*.

System Action: The Web State Manager cannot therefore perform the requested partnership function for the running task. An exception trace entry is made in the trace table.

User Response: Ensure that the supplied state token *stoken* is correct. On a busy CICS region, the most likely cause of this error is that the state data has been discarded by the Web garbage collection process before the Web State Manager could access it for the running task. Check that the system initialization *WEBDELAY* parameters are appropriate values. See the *CICS System Definition Guide* for guidance on setting the values of the Web garbage collection interval and the Web terminal timeout interval.

Destination: CWBO

Module: DFHWBST

XMEOUT Parameters: *date, time, applid, stoken, {1=initialize partnership, 2=make partnership, 3=break partnership, 4=trigger partner, 5=wait for partner, 6=query partner, 7=terminate partnership}, taskid, X'cuowid', {1= , 2= TCPIPSERVICE: }, tcpipservice*

DFHWB1100 E *date time applid* **The CICS Web Interface received data from the user application that is longer than expected.**

Explanation: The environment variables program has received data from a user application. However, the data received was longer than expected.

System Action: Exception trace point 4623 is written. The environment variables program abnormally terminates with abend code AWB7.

User Response: Examine the data sent to CICS from the application program.

Destination: Console Routecodes 2 and 12 and Transient Data Queue CWBO

Module: DFHWBENV

XMEOUT Parameters: *date, time, applid*

DFHWB1200 *date time applid tranid* **The CICS Web Interface analyzer program set parameter WBRA_USER_DATA_LENGTH to more than the maximum. Program name:** *progname***. RESPONSE:** *response***. REASON:** *reason***. Host IP address:** *hostaddr***. Client IP address:** *clientaddr***. Data offset:** *X'dataoffset'***. Data length:** *X'datalength'***. Buffer length:** *X'bufferlength'***.***{ | TCPIPSERVICE: }tcpipservice*

Explanation: As part of its normal processing of a request, Web attach processing invokes the user replaceable analyzer to tailor the required actions. This program is passed the length of the user data part of the HTTP request in parameter WBRA_USER_DATA_LENGTH, which it can modify. However, the modified value is greater than the maximum allowable value which represents the available space in the data buffer.

System Action: An error response is sent to the client and processing of the request is terminated.

User Response: Modify the analyzer program so that it does not set the parameter WBRA_USER_DATA_LENGTH to be greater than the maximum. The sum of the data offset and the data length should not exceed the buffer length.

Destination: CWBO

Module: DFHWBXN

XMEOUT Parameters: *date, time, applid, tranid, progname, response, reason, hostaddr, clientaddr, X'dataoffset', X'datalength', X'bufferlength', {1= , 2=TCPIPSERVICE: }, tcpipservice*

DFHWB1525 *date time applid tranid* **The CICS Web Interface connection manager received an unexpected response from CICS.**

Explanation: The connection manager received an unexpected response to a CICS command. This is a logic error.

System Action: A system dump is taken. Processing continues. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: You may need further assistance from IBM to resolve this problem. See the *CICS External Interfaces Guide* and Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed. Report the details of the symptom string given in message DFHME0116.

Destination: CWBO and Terminal End User

Module: DFHWBC01

XMEOUT Parameters: *date, time, applid, tranid*

DFHWB1551 *date time applid* **The CWBC Transaction is no longer used to manage CICS Web resources.**

Explanation: An attempt has been made to run the CICS-supplied transaction CWBC. This transaction is no longer used to manage CICS Web resources.

System Action: None. Processing continues.

User Response: Refer to the CICS Internet and External Interfaces Guide, and the Resource Definition Guide for details of how to manage CICS Web resources. See the *CICS External Interfaces Guide* and Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CWBO and Terminal End User

Module: DFHWBC01

XMEOUT Parameters: *date, time, applid*

DFHWB7001 HTTPD_extract for *envvar* failed. Processing of this request terminated rc=*retcode*.

Explanation: The CICS GWAPI program received an error response *retcode* when it executed the `HTTPD_extract` function to retrieve the specified environment variable *envvar*.

System Action: The CICS GWAPI program terminates and returns an HTTP server error response (code 500) to the Web browser.

User Response: Investigate whether the &ICSS. has been correctly configured to use the CICS GWAPI DLL. Refer to the *CICS External Interfaces Guide* for further information.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHWBAPI

DFHWB7002 HTTPD_read for HTTP user data failed. Processing of this request terminated rc=*retcode*.

Explanation: The CICS GWAPI program received an error response *retcode* when it executed the `HTTPD_read` function to retrieve the user data sent with an HTTP request.

System Action: The CICS GWAPI program terminates and returns an HTTP server error response (code 500) to the Web browser.

User Response: Investigate whether the &ICSS. has been correctly configured to use the CICS GWAPI DLL. Refer to the *CICS External Interfaces Guide* for further information.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHWBAPI

DFHWB7003 Invalid URL passed to DFHWBAPI: *url*. Processing of this request terminated rc=*retcode*.

Explanation: The CICS GWAPI program has attempted to analyze the path name section of the Uniform Resource Locator *url* that it received from the Web browser, but has determined that its syntax is not in the standard format expected to decide which CICS region, transaction, and program should process the request.

The reason for the failure is given by one of the following values for the return code *retcode*.

1 The path name contains fewer than eight characters.
2 The path name does not begin with a leading slash ('/') character.
3 The CICS applid is invalid.
4 The converter name is invalid.
5 The transaction name is invalid.
6 The server program name is invalid.

System Action: The CICS GWAPI program terminates and returns an HTTP server error response (code 500) to the Web browser.

User Response: Investigate whether the &ICSS. has been correctly configured to use the CICS GWAPI DLL. Refer to the *CICS External Interfaces Guide* for further information.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHWBAPI

DFHWB7006 Link to program *program_name* at applid *applid* failed for URL *url*. Processing of this request terminated RESP=*resp* RESP2=*resp2*.

Explanation: The CICS GWAPI program has attempted to use the CICS External Call Interface (EXCI) to link to the Business Logic Interface program *program_name* in the CICS region with applid *applid*, but the link was unsuccessful. The EIBRESP and EIBRESP2 values from the EXEC CICS LINK command are *resp* and *resp2*.

System Action: The CICS GWAPI program terminates and returns an HTTP error response to the Web browser. If *resp* and *resp2* indicate that there is a temporary problem establishing an Inter-Region Communication connection, the HTTP error response is 503 (system not available), otherwise it is 500 (server error).

User Response: Investigate whether the target CICS region has been correctly configured to receive EXCI requests from this &ICSS. address space.

The following must be set up:

- The target CICS region must be active.
- There must be a generic EXCI pipe, or a specific EXCI pipe for *applid*, installed in the target CICS region.
- Inter-Region Communication must be active in the target CICS region.

Refer to the *CICS External Interfaces Guide* for further information.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHWBAPI

DFHWB7007 Error detected by program *program_name*. Processing of this request terminated rc=*retcode*.

Explanation: The CICS GWAPI program has attempted to use the CICS External Call Interface (EXCI) to link to the Business Logic Interface program *program_name* in a CICS region, but an error response was returned by the program. The return code *retcode* is the Business Logic Interface response that was returned in `wbbl_response`.

System Action: The CICS GWAPI program terminates and returns *retcode* as the HTTP server response to the Web browser.

User Response: Investigate the reason for the error response. The values that can be returned in `wbbl_response` are documented in the *CICS External Interfaces Guide*, and are generally caused by a programming error in either the converter program or the server application program.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHWBAPI

DFHWB7008 HTTPD_set for *variable* failed for URL *url*. Processing of this request terminated rc=*retcode*.

Explanation: The CICS GWAPI program received an error response *retcode* when it executed the `HTTPD_set` function to set a value for the specified variable *variable* while processing URL *url*.

System Action: The CICS GWAPI program terminates and returns an HTTP server error response (code 500) to the Web browser.

User Response: Investigate whether the &ICSS. has been correctly configured to use the CICS GWAPI DLL. Refer to the *CICS External Interfaces Guide* for further information.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHWBAPI

DFHWB7009 HTTP_write failed for URL *url***. Processing of this request terminated rc=***retcode***.**

Explanation: The CICS GWAPI program received an error response *retcode* when it executed the `HTTPD_write` function to write the user data to be sent with an HTTP response for URL *url*.

System Action: The CICS GWAPI program terminates and returns an HTTP server error response (code 500) to the Web browser.

User Response: Investigate whether the &ICSS. has been correctly configured to use the CICS GWAPI DLL. Refer to the *CICS External Interfaces Guide* for further information.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHWBAPI

DFHXAxxxx messages

DFHXA6521I *applid* **CICS shutdown initiated by CEBT event**

Explanation: This is an informational message issued from the CICS TCB.

System Action: CICS terminates normally.

User Response: None.

Destination: Console

Module: DFHXRCP

XMEOUT Parameter: *applid*

DFHXA6526I *applid* **MESSAGE RECEIVED FOR UNSUPPORTED QUEUE** *X'queue'***.**

Explanation: This message is issued from the CAVM TCB. A tracking message has been received for a queue with hexadecimal name X'*queue*'. However this queue is not recognized by CICS.

System Action: CICS processing continues, but tracking messages for queue X'*queue*' are ignored.

User Response: Check that the active CICS system and the alternate CICS system are at the same functional level with respect to XRF.

If both CICS systems are at the same level, check why the active CICS system has written data to the alternate system.

Ensure that the queue name has not been corrupted.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHXRB

DFHXA6528I *applid* **Unable to link to program** *progname*

Explanation: This message is issued from the CICS TCB. CICS is unable to link to program *progname*.

System Action: CICS terminates abnormally with a system dump and abend code 0210.

User Response: Examine the dump to determine why CICS was unable to link to program *progname*.

Ensure that the named program is not missing from the data sets concatenated in the DFHRPL DD statement. If *progname* is missing, obtain a copy of the program and include it in the library. In addition, ensure that enough storage is available for the dynamic storage areas.

Destination: Console

Module: DFHXRE

XMEOUT Parameters: *applid, progname*

DFHXA6530 *applid* **START=STANDBY specified. CICS start-up is terminated because XRF=NO is specified**

Explanation: START=STANDBY and XRF=NO cannot be specified together.

System Action: CICS terminates abnormally with a dump.

User Response: Correct the conflicting values of the operands START and XRF.

Destination: Console

Module: DFHSIC1

XMEOUT Parameter: *applid*

DFHXA6540I XRF HAS FAILED. ERROR NUMBER *nn* **ON XRF MESSAGE DATA SET IN CONTROL INTERVAL WITH RBA HEX'***xx***'.**

Explanation: The XRF message manager has encountered a problem with the contents of the given control interval in the message data set. The message includes an error number *nn* which can take one of the following values:

01 The CI does not contain an XRF message manager control record.

02 The XRF message control record contains a cycle number less than that of the current read cycle.

03 The XRF message manager did not find a message record boundary where it expected one.

04 There is an XRF message sequence number error.

05 The CIDF is invalid (for example, the free area length is negative).

06 The length in the RDF is less than the length of a message record header, or is inconsistent with the data length in the message record header.

07 The end of the record lies outside the data area defined by the data length field of the CIDF.

System Action: Surveillance by the alternate system ceases.

User Response: Check that the active and alternate systems are using the same pair of data sets for XRF surveillance. If they are, this is almost certainly a CICS error affecting either the alternate system, the active system, or both.

You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHWMRD

DFHXA6541I XRF HAS FAILED. THE XRF MESSAGE READER IN THE ALTERNATE SYSTEM HAS FALLEN TOO FAR BEHIND.

Explanation: The alternate system has been unable to keep up with the messages generated by the active CICS system. Its read position in the wrap-round message data set has been 'lapped' by the active system.

System Action: Surveillance by the alternate system ceases.

User Response: Try to determine and correct the reason for the delay to the alternate system. It may be that the message data set is too small to allow adequate buffering, or the message data set has been reserved by the active CEC – not necessarily by the active CICS.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHWMRD

DFHXA6560I *applid* **TERMINATION COMMAND FAILED:** *command***.**

Explanation: The command issued by the alternate CICS during takeover to terminate the active CICS failed. MVS rejected the system operator command *command* issued under program control as being invalid.

System Action: Message DFHXA6581 or DFHXA6582 is also displayed. The alternate CICS continues with its processing to detect termination of the active CICS job.

User Response: Ensure that the active CICS job terminates. See messages DFHXA6581 and DFHXA6582. For problem determination, hard copy of the console log may be required.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHWTI

DFHXA6561D *applid* **WHEN** *jesno jobname* **ENDS REPLY 'JOB' OR WHEN CEC** *sid* **HAS FAILED REPLY 'CEC'.**

Explanation: During a takeover attempt, the issuing CICS system was unable to determine whether job *jobname*, running on a different CEC, has terminated. This is for one of the following reasons:

- CICS was unable to issue a system operator command under program control to cancel the named job. In this case, message DFHXA6560, DFHXA6569 or DFHXA6570 has been produced.
- CICS has either successfully issued a cancel command, or job *jobname* is a failing DBCTL subsystem, but the job still appears to be running after the time period specified by the initialization parameter JESDI.

If *jobname* is the active CICS. Takeover cannot continue until *jobname* has ended. If *jobname* is a DBCTL subsystem, an alternate DBCTL cannot be started until *jobname* has ended.

System Action: The system waits for a reply. In the meanwhile, the issuing CICS system continues processing to detect termination of the job.

If termination is detected while the reply is still outstanding, this message is deleted and message DFHXA6564 is displayed. In this case, a reply is no longer required.

If the reply is 'JOB', then processing continues as if CICS had detected the termination itself.

This also happens if the reply is 'CEC', but in addition an internal record is created indicating that the CEC is inoperative at this time. Other alternate CICS which have issued this message for jobs executing on the CEC specified, and which are still waiting for a reply, will detect the internal record of the failed CEC. Having done so they delete their outstanding replies and issue message DFHXA6563.

User Response: The operator should either:-

- Ensure that job *jobname* with JES number *jesno* terminates, and then reply 'JOB', or
- Ensure that the CEC with MVS system identifier *sid* is inoperative at this time, for example by selecting SYSTEM RESET on that CEC, and then reply 'CEC'.

No action is necessary if at any time CICS deletes this message, as described above.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHWTI

DFHXA6563I *applid jesno jobname* **ENDED DUE TO FAILURE OF CEC** *sid***.**

Explanation: During takeover, the alternate CICS has detected that the CEC with MVS system identifier *sid* has failed and therefore that the active CICS job with job name *jobname* and JES job number *jesno* is regarded to have ended.

System Action: The alternate CICS continues with its takeover processing.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHWTI

DFHXA6564I *applid* **TERMINATION OF** *jesno jobname* **DETECTED.**

Explanation: During takeover, the alternate CICS has detected that the active CICS job with specified job name and JES job number has ended.

System Action: The alternate CICS continues with its takeover processing.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHWTI

DFHXA6566I *applid modname* **NOT LINK-EDITED REENTERABLE.**

Explanation: Module *modname*, the CLT or RST currently in use, was found not to have been link-edited with the reenterable module attribute.

The initialization option CLT=*xx* or RST=*xx* specifies the suffix of the CLT or RST currently in use by this alternate CICS.

System Action: Further messages are issued which describe the action taken by CICS.

User Response: The appropriate response is indicated by subsequent messages.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHWTI

DFHXA6567I *applid* **APPLID** *applid2* **NOT FOUND IN** *modname***.**

Explanation: Module *modname*, the CLT or RST currently in use by this alternate CICS, was found not to contain the APPLID *applid2*.

System Action: Further messages are issued which describe the action taken by CICS.

User Response: The appropriate response is indicated by subsequent messages.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHWTI

DFHXA6568I *applid* **JOBNAME** *jobname* **NOT FOUND IN** *modname***.**

Explanation: Module *modname* is either a CLT or an RST.

If the module is a CLT, it was found not to contain the job name *jobname* associated with the APPLID of this alternate CICS.

If the module is an RST, it was found not to contain the job name *jobname* associated with the DBCTL subsystem identified in the message.

jobname is the job name which the alternate CICS would have used to cancel the active CICS job or DBCTL job during a takeover

System Action: Further messages are issued which describe the action taken by CICS.

User Response: The appropriate response is indicated by subsequent messages.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHWTI

DFHXA6569I *applid* **MVS SYSTEM IDENTIFIER** *sid* **NOT FOUND IN DFHCLT***xx***.**

Explanation: The CLT currently in use was found not to contain the specified MVS system identifier *sid*, which identifies the CEC on which the active CICS was executing.

The initialization option CLT=*xx* specifies the suffix of the CLT currently in use by this alternate CICS.

System Action: Further messages are issued by the alternate CICS to describe the action taken.

User Response: The appropriate response is indicated by subsequent messages.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHWTI

DFHXA6570I *applid* **JES SUBSYSTEM NAME** *jesname* **NOT FOUND IN DFHCLT***xx* **FOR MVS SYSTEM** *sid***.**

Explanation: The CLT currently in use does not contain the JES subsystem name *jesname* associated with the MVS system *sid* of the CEC on which the active CICS was executing.

The initialization option CLT=*xx* specifies the suffix of the CLT currently in use by this alternate CICS.

System Action: Further messages are issued by the alternate CICS to describe the action taken.

User Response: The appropriate response is indicated by subsequent messages.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHWTI

DFHXA6571I *applid* **CICS IS NOT DEFINED AS AN MVS SUBSYSTEM.**

Explanation: The alternate CICS attempted to access an internal record of CEC failures to determine whether the CEC on which the active CICS job was executing had failed. To access this information CICS has to be defined as an MVS subsystem. Because it is not, the attempt failed.

System Action: Processing continues.

User Response: None. For further information about defining CICS as an MVS subsystem, see the *CICS Transaction Server for OS/390 Installation Guide*.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHWTI

DFHXA6572I *applid* **UNABLE TO LOAD** *modname***.**

Explanation: The module *modname*, defined by the CLT or RST for use by the alternate CICS that issued this message, cannot be loaded.

System Action: Further messages are issued by the alternate CICS to describe the action taken.

User Response: The appropriate response is indicated by subsequent messages.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHWTI

DFHXA6573I *applid* **LOAD MODULE** *modname* **IS NOT VALID.**

Explanation: Module *modname*, the CLT or RST defined for use by this CICS system, is not valid.

System Action: Further messages are issued by the alternate CICS to describe the action taken.

User Response: The appropriate response is indicated by subsequent messages.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHWTI

DFHXA6574I *applid* **ERROR FOUND WITH DFHCLT***xx***.**

Explanation: The alternate CICS that issued this message is unable to load a CLT, or has performed a check on the CLT contents and has found an error. If the specified CLT is used during a future takeover, the takeover might not be successful. A new or corrected CLT can be made available and loaded at takeover.

System Action: Processing continues.

User Response: Verify that the alternate CICS job is authorized to perform a takeover of the active CICS. Take appropriate action if not.

Locate the previous message issued by this alternate CICS, which provides details of the CLT error.

Perform the appropriate source edit, assembly and link-edit tasks necessary to make a correct CLT available for this alternate CICS.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHWTI

DFHXA6575I *applid* **SUBSYSTEM NAME** *subsysid* **NOT FOUND IN** *rstname* **FOR THIS APPLID.**

Explanation: This is an informational message indicating that RST *rstname*, which was selected via the SIT, does not include an entry for DBCTL subsystem *subsysid* in any RSE containing the specific APPLID *applid* of this CICS.

System Action: No action results directly when this message is issued. Other messages may be issued following this verification failure.

User Response: Check the RST suffix specified in the SIT, the RST, and the DBCTL subsystem to which CICS is connected.

Check any other messages that may also have been issued.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHWTI

DFHXA6576I *applid* **CLT PROCESSING NOT POSSIBLE OWING TO ERROR IN DFHCLT***xx***.**

Explanation: During takeover, the alternate CICS that issued this message performed a check on the CLT contents and found an error.

A previous message specifies the error.

System Action: Commands in the CLT are not issued by this alternate CICS. Other takeover processing continues.

User Response: Verify that the alternate CICS job is authorized to perform a takeover of the active CICS and take appropriate action if it is not.

If the takeover is to be successful, the system operator should monitor and coordinate execution of the active CICS and alternate CICS jobs in the XRF complex.

Perform the source edit, assembly and link-edit tasks necessary to correct the CLT.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHWTI

DFHXA6577I *applid* **NOT AUTHORIZED TO CANCEL** *jesno jobname* **ON CEC** *sid***.**

Explanation: The issuing alternate CICS is attempting a takeover of the specified active CICS job. It has been unable to find the data that is needed to fully authorize takeover in the CLT or RST. This may be because the alternate cannot load the table, or because job *jobname* cannot be found:

- In the CLT, for an active CICS, or
- In the RST, for a DBCTL subsystem, or
- Because the CLT or RST is invalid.

Further messages specify the error with the CLT or RST, or define why the CLT or RST is invalid.

System Action: The issuing CICS system cannot issue a CANCEL, but attempts to alert the active CICS system to the takeover request via the XRF control data set. In most cases this causes the active system to initiate termination. The alternate continues processing to detect termination of the job.

When termination is detected, message DFHXA6563 or DFHXA6564 is displayed.

User Response: Verify that the alternate CICS job is authorized to perform a takeover of the active CICS. Take appropriate action if the alternate CICS job is not authorized.

Your CLT and/or RST may require some maintenance action.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHWTI

DFHXA6578I *applid* **NOT AUTHORIZED TO CANCEL** *jesno jobname***.**

Explanation: The issuing alternate CICS is attempting a cancel of the specified active CICS job. It has been unable to find the data that is needed to fully authorize the cancellation in the CLT or RST. This may be because the alternate cannot load the table, or because job *jobname* cannot be found:

- In the CLT, for an active CICS, or
- In the RST, for a DBCTL subsystem. or

- Because the CLT or RST is invalid.

Further messages specify the error with the CLT or RST, or define why the CLT or RST is invalid.

System Action: The issuing CICS system cannot issue a CANCEL, but attempts to alert the active CICS system to the takeover request via the XRF control data set. In most cases this causes the active system to initiate termination. The alternate continues processing to detect termination of the job.

When termination is detected, message DFHXA6564 is displayed.

User Response: Verify that the alternate CICS job is authorized to perform a takeover of the active CICS. Take appropriate action if the alternate CICS job is not authorized.

Your CLT and/or RST may require maintenance action.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHWTI

DFHXA6580I PROGRAM LOGIC ERROR DETECTED.

Explanation: An internal error has been detected that prevents the CICS XRF CAVM supervisor state processing from continuing.

Depending on the CAVM supervisor state service being processed at the time, CICS may or may not abnormally terminate.

The CAVM TCB for processing the service has abnormally terminated.

Job output should include a dump of MVS LSQA associated with the SYSABEND DD statement.

Diagnostics: Register 2 is the base register for DFHWTI global storage. This storage begins with the eye catcher WTISTOR. The format of this storage is defined in DSECT WSTORAGE in source member DFHWTI.

DFHWTI request arguments copied to global storage begin at field WGLODATA.

Source member DFHWTADS defines the format of global storage arguments.

Field WGLOLOCA contains the address of the first register save area for a routine in DFHWTI.

In the SVRB for the CICS SVC call that invoked DFHWTI, the first *fullword* in the FEPARM field contains the address of DFHWTI global storage.

Register 4 is the base register for local storage for each routine in DFHWTI. Its format is defined in a DSECT whose name is of the form WLOC*xxx* where *xxx* is the short name of the routine (see below for a list of routine names).

These DSECTs are in source member DFHWTI. The first *halfword* is the internal return code for the routine. The values used for internal return codes are the same as the DFHWTI request reason codes as defined in source member DFHWTADS field name WTARRC.

In addition, internal return codes of the format X'40nn' are used. X'40F0' is 'Internal Logic Error' variable name, RCLOGERR.

Other internal return codes of this format are defined in the local storage DSECTs.

The DFHWTI request type for the CAVM supervisor state service is copied into local storage associated with the DFHWTI initialization and termination routine, field name WWTIREQ, DSECT WLOCWTI in source member DFHWTI.

Register 6 is the base register for each routine in DFHWTI. When set, it points at a location immediately following an eye catcher of the routine's long name (see list of routine names).

Register 13 is the base register for a register save area local to a routine in DFHWTI. These save areas are standard MVS format except the first *fullword* contains the routine's short name (see list of names). They are chained in the standard way with backward and forward pointers set on entry to a routine and zeroed on return.

Register save areas physically precede the storage local to a routine.

If a routine has to access the CLT, its address is in local storage for the routine. The field name for the CLT address is of the form W*xxx*CLTA, where *xxx* is the short name of the routine.

System Action: In general, the CAVM request issued by this CICS job will fail. For the effect this has on processing by this CICS job, refer to messages issued after this one.

CAVM XRF supervisor state processing issues an MVS abend with system abend code 0214 and an MVS SYSABEND dump is produced.

User Response: Keep the job output and console log for problem determination.

Using the SYSABEND dump of the MVS LSQA, and if available, the MVS symptom dump output, find the DFHWTI routine that detected the error from the value of register 6 or register save area chain fields.

Find the internal return code currently set in local storage for the routine.

Using the reason code value, remaining content of local storage and global storage, try to determine the cause of the action by the routine.

An assembly listing of the CLT assembled with the PRINT NOGEN option may be required.

Routine names
Long names are used for:

- The routine entry point name, and
- The routine entry eye catcher.

Short names are used for:

- The routine register save area eye catcher,
- Characters 2 to 4 of routine local storage field names,
- Characters 5 to 7 of routine local storage DSECT names, and
- Characters 1 to 3 of routine labels.

Routines are as follows:

Long Name	Short Name
(1)	WTI
TIPENTRY	TIP
OATERM	OAT
OAWAIT	OAW
VERCLT	VCL
CLPENTRY	CLE
CLPROC	CLP
OPCLT	OCL
CHECKT	CHT
OPCDATA	OPC
INQJES	IJE
TSSENTRY	TSS

MUVENTRY	MUV
VAXENTRY	VAX
SCMENTRY	SCM
DXRENTRY	DXR
IJESSUB(2)	*

1. Module entry point with standard DFHVM fields.
2. Subtask with start of module as entry point and using SIJSTOR for local storage.

For further guidance in error diagnosis, see the *CICS Problem Determination Guide*.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHWTI

DFHXA6581I *applid* **UNABLE TO DETERMINE STATUS OF JOB** *jesno jobname***.**

Explanation: The issuing CICS system was unable to determine whether job *jobname*, running on the same CEC, has terminated. This is for one of the following reasons:

1. CICS was unable to issue a system operator command under program control to cancel the named job. In this case, message DFHXA6560 has been produced.
2. CICS has successfully issued a cancel command, but the job still appears to be running after the time period specified by the initialization parameter JESDI.
3. Job *jobname* is a failing DBCTL subsystem, but the job still appears to be running after the time period specified by the initialization parameter JESDI.

If *jobname* is the active CICS, takeover cannot continue until *jobname* has ended.

If *jobname* is a DBCTL subsystem, an alternate DBCTL cannot be started until *jobname* has ended.

System Action: Takeover is suspended until the issuing CICS system detects the termination of the named job.

When termination is detected the message DFHXA6564 is displayed.

User Response: Ensure that the active CICS job terminates.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHWTI

DFHXA6582I *applid* **UNABLE TO DETERMINE STATUS OF JOB** *jesno jobname* **ON MVS SYSTEM** *mvsname***(***sid***).**

Explanation: The issuing CICS system was unable to determine whether job *jobname*, running on MVS image *mvsname*, has terminated. This is for one of the following reasons:

- CICS was unable to issue a system operator command under program control to cancel the named job. In this case, message DFHXA6560, DFHXA6569, or DFHXA6570 has been produced.
- CICS has successfully issued a cancel command, but the job still appears to be running after the time period specified by the initialization parameter JESDI.
- Job *jobname* is a failing DBCTL subsystem, but the job still appears to be running after the time period specified by the initialization parameter JESDI.

If *jobname* is the active CICS, takeover cannot continue until *jobname* has ended.

If *jobname* is a DBCTL subsystem, an alternate DBCTL cannot be started until *jobname* has ended.

System Action: Takeover is suspended until the issuing CICS system detects the termination of the named job.

When termination is detected the message DFHXA6583 is displayed.

User Response: Ensure that the active CICS job terminates.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHWTI

DFHXA6583I *applid* **TERMINATION OF JOB** *jesno jobname* **ON MVS SYSTEM** *mvsname***(***sid***) HAS BEEN DETECTED.**

Explanation: During takeover, the alternate CICS has detected that the active CICS job *jobname* with JES job number *jesno* running on MVS image *mvsname* has ended.

System Action: The CICS alternate continues takeover processing.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHWTI

DFHXCxxxx messages

DFHXC6600I *applid* **CAVM DATA SET INITIALIZATION FAILED.**

Explanation: The CICS job which displayed this message attempted to sign on to the CAVM but the signon request failed because the CAVM data sets could not be initialized properly. This is due to one of the following:

- The data set formatting subtask had not completed its processing in 2 minutes. This might occur if reserves issued by jobs (not necessarily CICS) running in other CECs cause a CAVM data set's DASD volume or a VSAM catalogue to remain inaccessible for a protracted period.
- SIGNON found that one of the CAVM data sets had already been formatted by a different CICS job but that the other was either empty or could not be opened because of conflict with another user of the data set. SIGNON waited for the other CICS job to finish the data set formatting, but 5 minutes later, this still had not been done. This might occur if a CICS job failed during data set formatting. A specific error reported in a previous message prevented successful completion of data set initialization.

System Action: See following message issued by this CICS job.

User Response: Correct the JCL or redefine the CAVM data sets if necessary and resubmit the CICS job. See the *CICS System Definition Guide* for information on CAVM data sets.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHWSSN3

DFHXC6601I *applid* **DD STATEMENT MISSING FOR CAVM DATA SET** *dsname*

Explanation: The CICS job which displayed this message issued a SIGNON to the CAVM. The CAVM is attempting to open the CAVM data sets, but the error condition described in the message text has been detected.

System Action: See following message issued by this CICS job.

User Response: See message DFHXC6600

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHWSSN3

DFHXC6602I *applid* **CAVM DATA SET** *dsname* **MUST RESIDE ON DASD.**

Explanation: The CICS job which displayed this message issued a SIGNON to the CAVM. The CAVM is attempting to open the CAVM data sets, but the error condition described in the message text has been detected.

System Action: See following message issued by this CICS job.

User Response: See message DFHXC6600

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHWSSN3

DFHXC6603I *applid* **CAVM DATA SET** *dsname* **IS INVALID.**

Explanation: The CICS job which displayed this message issued a SIGNON to the CAVM. The CAVM is attempting to open the CAVM data sets, but the error condition described in the message text has been detected.

System Action: See following message issued by this CICS job.

User Response: See message DFHXC6600

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHWSSN3

DFHXC6604I *applid* **CAVM DATA SET** *dsname* **MUST BE A VSAM ESDS.**

Explanation: The CICS job which displayed this message issued a SIGNON to the CAVM. The CAVM is attempting to open the CAVM data sets, but the error condition described in the message text has been detected.

System Action: See following message issued by this CICS job.

User Response: See message DFHXC6600

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHWSSN3

DFHXC6605I *applid* **CI SIZE OF PAIRED CAVM DATA SETS MUST BE EQUAL.**

Explanation: The CICS job which displayed this message issued a SIGNON to the CAVM. The CAVM is attempting to open the CAVM data sets, but the error condition described in the message text has been detected.

System Action: See following message issued by this CICS job.

User Response: See message DFHXC6600

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHWSSN3

DFHXC6606I *applid* **CI SIZE OF CAVM DATA SET** *dsname* **MUST BE AT LEAST 4K.**

Explanation: The CICS job which displayed this message issued a SIGNON to the CAVM. The CAVM is attempting to open the CAVM data sets, but the error condition described in the message text has been detected.

System Action: See following message issued by this CICS job.

User Response: See message DFHXC6600

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHWSSN3

DFHXC6607I *applid* **SIGNON IS WAITING TO RESERVE OR ACCESS CAVM DATA SET** *dsname*

Explanation: The CICS job which displayed this message issued a sign on to the CAVM. CAVM is attempting to reserve or access the CAVM data set indicated in the message text, but for some considerable time, either the required resource has remained unavailable or an outstanding I/O request has not completed. The reason for issuing this particular message cannot be failure of a conditional reserve request unless new empty CAVM data sets are being used for the first time. The reserve attempt should not fail anyway unless another CICS job using the same CAVM data set and executing a sign on, sign-off or takeover request has been held up, possibly by I/O delays, after issuing a successful reserve. I/O delay might be caused by reserves issued by jobs (not necessarily CICS) running in other CECs that have made the CAVM data set's DASD volume temporarily inaccessible.

System Action: After a short delay, the CICS job that displayed this message either reissues the conditional reserve macro or checks for completion of the outstanding I/O. If the required resource is now available or the I/O request has completed, normal processing continues. Otherwise, this message is reissued.

User Response: None, unless the condition persists. If so, another CEC might have failed after reserving the DASD volume containing a CAVM data set. In this case, follow your installation's operations procedure for removing an outstanding reserve for a shared DASD. (For example, issue system reset on the failed CEC.)

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHWSSN3

DFHXC6608I *applid* **I/O ERROR ACCESSING CAVM DATA SET** *dsname* **DURING SIGNON.**

Explanation: The CICS job which displayed this message issued a SIGNON to the CAVM. The CAVM is attempting to access the CAVM data sets, but the error condition described in the message text has been detected.

System Action: See following message issued by this CICS job.

User Response: See message DFHXC6600

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHWSSN3

DFHXC6609I *applid* **CAVM DATA SET** *dsname* **IS OF THE WRONG TYPE OR ITS FORMAT IS INCOMPATIBLE WITH THIS CODE LEVEL.**

Explanation: The CICS job that displayed this message issued a SIGNON to the CAVM. However, the CAVM found that the information in the data set's control record either did not agree with its intended use or had been placed there by an incompatible level of CAVM code. This will occur if:

- The data set with ddname DFHXRCTL is not empty and has already been used for something other than a CAVM control data set or by an incompatible level of CAVM code.
- The data set with ddname DFHXRMSG is not empty and has already been used for something other than a CAVM message data set or by an incompatible level of CAVM code.

System Action: See following message issued by this CICS job.

User Response: See message DFHXC6600

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHWSSN3

DFHXC6610I *applid* **CAVM DATA SET** *dsname* **DOES NOT BELONG TO THE GENERIC APPLID SPECIFIED AT SIGNON.**

Explanation: The CICS job which displayed this message issued a SIGNON to the CAVM. However, the CAVM found that the generic APPLID specified in the sign on request did not match that saved in the CAVM data set's control record when the data set was first formatted.

System Action: See following message issued by this CICS job.

User Response: See message DFHXC6600

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHWSSN3

DFHXC6611I *applid* **CAVM DATA SETS DO NOT FORM A VALID PAIR.**

Explanation: The CICS job that displayed this message issued a SIGNON to the CAVM. However, the CAVM found that the time stamps that were placed in the control records of the two data sets when they were first formatted do not match. This will occur unless the two CAVM data sets were used for the first time as a pair by a single CICS job.

System Action: See following message issued by this CICS job.

User Response: See message DFHXC6600

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHWSSN3

DFHXC6612I *applid* **MULTIPLE VOLUMES ARE NOT SUPPORTED FOR CAVM DATA SET** *dsname*

Explanation: The CICS job that displayed this message issued a SIGNON to the CAVM. The CAVM is attempting to OPEN the CAVM data sets but the error condition described in the message text has been detected.

System Action: See following message issued by this CICS job.

User Response: See message DFHXC6600

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHWSSN3

DFHXC6613I *applid* **MULTIPLE UNITS ARE NOT SUPPORTED FOR CAVM DATA SET** *dsname*

Explanation: The CICS job which displayed this message issued a SIGNON to the CAVM. The CAVM is attempting to open the CAVM data sets but the error condition described in the message text has been detected.

System Action: See following message issued by this CICS job.

User Response: See message DFHXC6600

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHWSSN3

DFHXC6614I *applid* **CONCATENATION IS NOT SUPPORTED FOR CAVM DATA SET** *dsname*

Explanation: The CICS job which displayed this message issued a SIGNON to the CAVM. The CAVM is attempting to open the CAVM data sets, but the error condition described in the message text has been detected.

System Action: See following message issued by this CICS job.

User Response: See message DFHXC6600

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHWSSN3

DFHXC6615I *applid* **ALLOCATION CHANGE DURING SIGNON IS NOT SUPPORTED FOR CAVM DATA SET** *dsname*

Explanation: The CICS job which displayed this message issued a SIGNON to the CAVM. The CAVM is attempting to OPEN the CAVM data sets, but the error condition described in the message text has been detected.

System Action: See following message issued by this CICS job.

User Response: See message DFHXC6600

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHWSSN3

DFHXC6616I *applid* **CAVM CONTROL AND MESSAGE DATA SETS MUST BE DISTINCT.**

Explanation: The CICS job which displayed this message issued a SIGNON to the CAVM. The CAVM is attempting to format the CAVM data sets, but the ddnames DFHXRMSG and DFHXRCTL refer to the same data set.

System Action: See following message issued by this CICS job.

User Response: See message DFHXC6600

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHWSSN3

DFHXC6617I *applid* **OBTAIN ERROR WHILE FORMATTING CAVM DATA SET** *dsname*

Explanation: The CICS job which displayed this message issued a SIGNON to the CAVM. The CAVM is attempting to gain exclusive access to a CAVM data set to format it. The CAVM issued a reserve macro specifying the DASD device allocated for the data set and then issued an OBTAIN macro for the volume's Format-4 DSCB to cause a hardware reserve command to be executed if necessary. Possible causes of the OBTAIN failure are:

- Specified volume not mounted
- I/O error
- VTOC is invalid.

System Action: See following message issued by this CICS job.

User Response: See message DFHXC6600

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHWSSN3

DFHXC6618I *applid* **SPACE ALLOCATED TO CAVM DATA SET** *dsname* **IS INADEQUATE.**

Explanation: The CICS job which issued this message issued a SIGNON to the CAVM. The CAVM is attempting to format the CAVM data sets, but the error condition described in the message text has been detected.

System Action: See following message issued by this CICS job.

User Response: See message DFHXC6600

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHWSSN3

DFHXC6620I *applid* **SIGNON IS WAITING TO RESERVE OR ACCESS A CAVM DATA SET.**

Explanation: The CICS job that displayed this message issued a sign on to the CAVM. CAVM is attempting to reserve the CAVM control data set or access either the control or the message data set, but for some considerable time either the required resource has remained unavailable or an outstanding I/O request has not completed. The reserve attempt should not fail unless another CICS job using the same CAVM data set and executing a sign on, sign-off or takeover request has been held up, possibly by I/O delays, after issuing a successful reserve. I/O delay might be caused by reserves issued by jobs (not necessarily CICS) running in other CECs that have made the CAVM data set's DASD volume temporarily inaccessible.

System Action: See message DFHXC6607.

User Response: See message DFHXC6607.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHWSSN2

DFHXC6621I *applid* **CAVM SIGNON CANNOT PROCEED BECAUSE JES IS EITHER NOT RUNNING OR NOT RESPONDING TO JOB STATUS ENQUIRIES.**

Explanation: The CICS job that displayed this message issued a sign on to the CAVM. To process the request, CAVM needs to know the status of a job identified by an entry in the control data set, but cannot obtain this information for the reason given in the message text.

System Action: After a one minute delay, the CICS job that displayed this message reissues the failing job status enquiry. If the request is completed successfully this time, normal processing continues. Otherwise, this message is reissued.

User Response: If JES is not running, restart it if possible. Otherwise, if the condition persists, try to correct the problem that is preventing job status enquiries from being answered. In some cases, just stopping JES and restarting it again may achieve the desired effect. In a JES2 environment, a possible cause of this trouble is that another CEC has failed after reserving the DASD volume containing the check-point data set. See message DFHXC6607. In a JES3 environment, job status enquiries cannot be answered if the global processor has failed.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHWSSN2

DFHXC6622I *applid* **ERROR IN INQUIRE HEALTH EXIT DURING SIGNON.**

Explanation: The CICS job that displayed this message issued a SIGNON to the CAVM, but the return code passed back to CAVM by the INQUIRE HEALTH exit (DFHXRC) when it was called during sign on processing was nonzero. This message always indicates an internal error in CAVM or CICS.

System Action: CAVM SIGNON continues but XRF function is probably degraded.

User Response: Inform your installation's system programmer.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHWSSN2

DFHXC6623I *applid* **CAVM SIGNON IMPOSSIBLE AT PRESENT BECAUSE ANOTHER JOB HAS SIGNED ON WITH THE SAME SPECIFIC APPLID.**

Explanation: The CICS job which issued this message issued a SIGNON to the CAVM, but the request cannot be accepted because the error condition described in the message text has been detected.

System Action: See following message issued by this CICS job.

User Response: None unless the wrong specific applid has been requested for the new job or the conflicting job was started by mistake. If so, resubmit the failing CICS job with appropriate corrections or after canceling the conflicting job.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHWSSN2

DFHXC6624I *applid* **CAVM SIGNON IMPOSSIBLE BECAUSE SMF IS NOT ACTIVE FOR THE REQUESTING JOB.**

Explanation: The CICS job which issued this message issued a SIGNON to the CAVM, but the request cannot be accepted because the error condition described in the message text has been detected.

System Action: See following message issued by this CICS job.

User Response: Re-IPL the MVS system, ensuring that the system parameters chosen include SMF.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHWSSN2

DFHXC6625I *applid* **CAVM SIGNON IMPOSSIBLE BECAUSE CAVM DATA SETS ARE UNUSABLE.**

Explanation: The CICS job which issued this message issued a SIGNON to the CAVM, but the request cannot be accepted because the error condition described in the message text has been detected.

System Action: See following message issued by this CICS job.

User Response: See message DFHXC6600

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHWSSN2

DFHXC6626D *applid* **POSSIBLE CAVM SIGNON CONFLICT. IS JOB** *jobname*,*jesno* **RUNNING ON SYSTEM** *sid*? **REPLY 'YES' OR 'NO'.**

Explanation: The CICS job which issued this message issued a SIGNON to the CAVM but the CAVM needs the operator's help in order to decide whether it is safe to accept the request. The CAVM has found that the control data set refers to a job satisfying all the following conditions:

- JES believes that this job is still executing.
- If JES is right, the current sign on request must be rejected because the presence of this job would conflict with it.
- This job is not running in the same CEC as the CICS job which is attempting to sign on.
- This job's surveillance signals appear to be absent.

Such a situation might have arisen as a result of a failure of the CEC in which the conflicting job was running and if so, the CAVM should not reject the sign on request unless it finds another reason for doing so. If the job which displayed this message is a CICS active, the conflicting job is another active or an alternate which has started a takeover. If the job which displayed this message is a CICS alternate, the conflicting job is another alternate. The jobname, JES job identifier and CEC SMF identifier of the conflicting job are specified in the message text.

System Action: The CICS job waits for a reply.

User Response: If the job which displayed this message is a CICS active job, reply NO only if:

1. You are certain that the job referred to in the message text is not executing. It might be necessary to perform a System Reset of the CEC where it was running to guarantee this.

   AND

2. The job which issued this message ought to continue with its CAVM sign on request and become the CICS active job.

Otherwise reply YES.

If the job which displayed this message is a CICS alternate job, reply NO only if:

1. You are certain that the job referred to in the message text is not executing. It might be necessary to perform a System Reset of the CEC where it was running to guarantee this.

   AND

2. The job which issued this message ought to continue with its CAVM sign on request and become the CICS alternate job.

Otherwise reply YES.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHWSSN2

DFHXC6627I *applid* **CAVM SIGNON IMPOSSIBLE BECAUSE THIS JOB IS CURRENTLY SIGNED ON OR WAS ONCE AN ACTIVE SYSTEM.**

Explanation: The CICS job which issued this message issued a SIGNON to the CAVM, but the request cannot be accepted because the error condition described in the message text has been detected.

System Action: See following message issued by this CICS job.

User Response: This message indicates an internal error has occurred.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHWSSN2

DFHXC6628I *applid* **CAVM SIGNON IMPOSSIBLE AT PRESENT BECAUSE CONFLICTING JOB(S) HAVE NOT YET SIGNED OFF OR TERMINATED.**

Explanation: The CICS job which issued this message issued a SIGNON to the CAVM, but the request cannot be accepted because the error condition described in the message text has been detected.

System Action: See following message issued by this CICS job.

User Response: None unless the wrong START option has been requested for the new job or the conflicting job(s) were started by mistake. If so, resubmit the failing CICS job with appropriate corrections or after canceling the conflicting job(s).

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHWSSN2

DFHXC6629I *applid* **CAVM SIGNON IMPOSSIBLE BECAUSE REQUESTING JOB AND SIGNED-ON JOB(S) DO NOT SHARE A COMMON JES JOB QUEUE.**

Explanation: The CICS job which issued this message issued a sign on to the CAVM, but the request cannot be accepted because the error condition described in the message text has been detected.

System Action: See following message issued by this CICS job.

User Response: If any of the signed on jobs are running under the control of the wrong JES, cancel them. Resubmit the failing job and any that had to be canceled, ensuring that all are running under the control of either a single JES or multiple JESs that share a common job queue.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHWSSN2

DFHXC6630I *applid* **TAKEOVER REJECTED BECAUSE LAST ACTIVE SIGNED OFF NORMALLY.**

Explanation: The CICS job that issued this message issued a takeover request to the CAVM but the request has been rejected due to the error condition described in the message text.

System Action: See following message issued by this CICS job.

User Response: None

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHWSTKV

DFHXC6631I *applid* **TAKEOVER REJECTED BECAUSE LAST ACTIVE INSTANCE NUMBER DOES NOT MATCH THAT SPECIFIED.**

Explanation: The CICS job which issued this message issued a takeover request to the CAVM but the request has been rejected due to the error condition described in the message text. This error would occur if a new CICS active job signed on to the CAVM after this CICS alternate job had already made the decision to attempt to take over from the previous CICS active job.

System Action: See following message issued by this CICS job.

User Response: None

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHWSTKV

DFHXC6632I *applid* **NON PRE-EMPTIVE TAKEOVER REJECTED BECAUSE LATEST ACTIVE VERSION NUMBER DOES NOT MATCH THAT SPECIFIED.**

Explanation: The CICS job which issued this message issued a takeover request to the CAVM but the request has been rejected due to the error condition described in the message text.

System Action: See following message issued by this CICS job.

User Response: None

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHWSTKV

DFHXC6633I *applid* **NON PRE-EMPTIVE TAKEOVER REJECTED BECAUSE A TAKEOVER IS ALREADY IN PROGRESS.**

Explanation: The CICS job which issued this message issued a takeover request to the CAVM but the request has been rejected due to the error condition described in the message text.

System Action: See following message issued by this CICS job.

User Response: None

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHWSTKV

DFHXC6634I *applid* **TAKEOVER REJECTED BECAUSE NECESSARY TOD CLOCK DIFFERENCE INFORMATION IS NOT AVAILABLE.**

Explanation: The CICS job which issued this message issued a takeover request to the CAVM but the request has been rejected due to the error condition described in the message text. This error cannot occur unless both the following conditions are satisfied:

- The CICS active and alternate jobs are running in different CECs.
- A TAKEOVER has been attempted before the alternate job has had the chance to observe the active job's surveillance signals for the short time (less than 1 minute) needed to deduce the maximum possible difference between the respective TOD clocks.

The takeover cannot be performed unless the difference between the CECs' TOD clocks is known because normal CICS processing must not be resumed until the current TOD clock reading is later than the TOD clock reading when the old CICS active job terminated as observed in the CEC where it had been running.

System Action: See following message issued by this CICS job.

User Response: None

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHWSTKV

DFHXC6635I *applid* **TAKEOVER PROCESSING TERMINATED BECAUSE ANOTHER BACKUP HAS STARTED A PRE-EMPTIVE TAKEOVER.**

Explanation: The CICS job which issued this message issued a takeover request to the CAVM and the request was accepted, but the error condition described in the message text was encountered before the completion of TAKEOVER.

System Action: See following message issued by this CICS job.

User Response: None

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHWSTKV

DFHXC6636I *applid* **TAKEOVER PROCESSING TERMINATED BECAUSE STATUS OF ACTIVE JOB CANNOT BE DETERMINED.**

Explanation: The CICS job which issued this message issued a takeover request to the CAVM and the request was accepted, but takeover processing could not be completed because of an error encountered in using the CAVM services provided by the CICS SVC.

System Action: See following message issued by this CICS job.

User Response: For problem determination, consult the *CICS Problem Determination Guide*. The console log and job output may be required.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHWSTKV

DFHXC6637I *applid* **TAKEOVER IS WAITING TO RESERVE OR ACCESS THE CAVM CONTROL DATA SET.**

Explanation: The CICS job that issued this message issued a TAKEOVER request to the CAVM. CAVM is attempting to reserve or access the CAVM control data set in order to process the request, but for some considerable time, either the required resource has remained unavailable or an outstanding I/O request has not completed. The reserve attempt should not fail unless another CICS job using the same CAVM data set and executing a SIGNON, SIGNOFF or TAKEOVER request has been held up, possibly by I/O delays, after issuing a successful reserve.

System Action: See message DFHXC6607.

User Response: See message DFHXC6607.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHWSTKV

DFHXC6638I *applid* **NOTIFY RC=** *retcode* **-** *text*

Explanation: The CICS job that displayed this message has found that the return code passed back to CAVM by the NOTIFY exit (DFHXRB) was non-zero. The message includes the actual return code value *retcode* (or greater than 99) and some text identifying the type of event which was being processed when the error occurred. This message always indicates either an internal error in CAVM or CICS or that code or data has become corrupted.

System Action: Processing continues but XRF function is probably degraded.

User Response: Inform your installation's system programmer.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHWSTKV

DFHXC6640I *applid* **ALL STATUS WRITERS ARE IN I/O WAIT.**

Explanation: The CICS job which displayed this message has found that the writes of its latest status issued to the control data set and the message data set are both taking a long time to complete. This might occur if reserves issued by jobs (not necessarily CICS) running in other CECs have made the DASD volumes of both CAVM data sets temporarily inaccessible.

System Action: The CICS job re-issues this warning message at intervals until one of its status writes completes. Meanwhile, it continues to perform any processing which is not dependent on status write completion. If the job which displayed this message is a CICS active and the condition persists for long enough, it is possible that an unwanted takeover will be initiated when the alternate (assuming that it is able to read the CAVM data sets because it is running in a different CEC) notices that the active system's surveillance signals have ceased.

User Response: If this message is issued by an CICS active job which does not seem to be experiencing other problems, it might be advisable to issue a suitable command to the corresponding alternate job to prevent it from initiating an unnecessary takeover. See also message DFHXC6607.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHWSSW

DFHXC6641I *applid* **STATUS WRITE I/O ERROR ON** *dsname*

Explanation: The CICS job which displayed this message has encountered an I/O error in writing its latest status to either the control data set or the message data set.

System Action: If the CICS job is able to write its status successfully to either the control data set or the message data set, processing continues. Further writes to the failing data set might be attempted later on because it is possible that the error condition was transient. If both data sets become unusable simultaneously, the CAVM TCB ABENDs.

User Response: Inform your installation's system programmer.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHWSSW

DFHXC6642I *applid* **ALL STATUS READERS ARE IN I/O WAIT.**

Explanation: The CICS job which displayed this message has found that the reads it has issued to the control data set and the message data set to obtain the latest available status of its partner system are both taking a long time to complete. This might occur if reserves issued by jobs (not necessarily CICS) running in other CECs have made the DASD volumes of both CAVM data sets temporarily inaccessible.

System Action: The CICS job reissues this warning message at intervals until one of the status reads completes. Meanwhile, it continues to perform any processing which is not dependent on status read completion. If the job which displayed this message is a CICS alternate, It is possible that a takeover will not be initiated if the active fails, since the alternate cannot detect that the active's surveillance signals have ceased.

User Response: See message DFHXC6607.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHWSSR

DFHXC6643I *applid* **STATUS READ I/O ERROR ON** *dsname*

Explanation: The CICS job which displayed this message has encountered an I/O error in reading the latest available status of its partner system from either the control data set or the message data set. *dsname* is the name of the data set.

System Action: Processing continues but XRF function will be degraded because the affected system might not be able to detect changes in its partner's status. Further reads from the failing data set might be attempted later on because it is possible that the error condition was transient. If this error is encountered in an alternate system while it is processing a takeover request, the takeover will fail.

User Response: Inform your installation's system programmer.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHWSSR

DFHXC6644I *applid* **NOTIFY RC=** *retcode* **-** *text*

Explanation: The CICS job which displayed this message has found that the return code passed back to CAVM by the NOTIFY exit (DFHXRB) was non-zero. The message includes the actual return code value *retcode* (or a value greater than 99) and some text identifying the type of event that was being processed when the error occurred. This message always indicates either an internal error in CAVM or CICS or that code or data has become corrupted.

System Action: Processing continues but XRF function is probably degraded.

User Response: Inform your installation's system programmer.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHWSSR

DFHXC6645I *applid* **ERROR IN INQUIRE HEALTH EXIT.**

Explanation: The CICS job which displayed this message has found that the return code passed back to CAVM by the INQUIRE HEALTH exit (DFHXRC) was nonzero. This message indicates either an internal error in CAVM or in CICS, or that code or data has become corrupted.

System Action: Processing continues but XRF function is probably degraded.

User Response: Inform your installation's system programmer.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHWSTI

DFHXC6646I *applid* **ERROR CALLING CICS SVC -** *xxxxxxxxxxx*

Explanation: The CICS job which displayed this message has encountered an error calling the CICS supervisor code (SVC) to determine the status of another MVS image in the same XCF sysplex as the calling CICS MVS image.

System Action: Processing continues but XRF function is probably degraded.

User Response: Ensure that the correct level of CICS SVC has been specified. Also ensure that MVS has issued an acceptable return code as this error can be caused by a change in MVS response codes. If the error is caused by neither of these, it could be the result of an internal error in CAVM. If this is the case, you need further guidance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHWSSR

DFHXC6649I *applid* **SIGNOFF IS UNABLE TO RESERVE THE CAVM CONTROL DATA SET.**

Explanation: The CICS job which issued this message issued a SIGNOFF request to the CAVM or SIGNOFF processing was invoked implicitly by abnormal termination of the CAVM TCB. CAVM attempted to reserve the CAVM control data set in order to process the request, but for some considerable time, the required resource remained unavailable. The reserve attempt should not fail unless another CICS job using the same CAVM data set and executing a SIGNON, SIGNOFF or TAKEOVER request has been held up, possibly by I/O delays, after issuing a successful reserve.

System Action: The CAVM TCB terminates without updating the CAVM data sets to indicate that this CICS job has signed off. See also any following message issued by this CICS job.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHWSSOF

DFHXC6650I *applid* **CAVM HAS FAILED, CODE =** *code*

Explanation:

System Action: An ABEND U0218 is issued with a reason code equal to the code in message DFHXC6650. This results in abnormal termination of the CICS XRF job. See also any following messages issued by this CICS XRF job.

User Response: Inform your installation's system programmer.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Modules: DFHWSRTR, DFHWSSN1, DFHWSSN2, DFHWSSN3, DFHWSSOF, DFHWSSR, DFHWSSW, DFHWSTKV

DFHXC6651I *applid* **CAVM HAS DETECTED AN INVALID REQUEST.**

Explanation: CAVM has found that the parameter block passed to it is invalid, or that the request is being made at an inappropriate time.

System Action: An ABEND U0218 is issued with reason code 1. This results in the abnormal termination of the CICS job. See also any following messages issued by this CICS job.

User Response: Restart the failing CICS job and inform your installation's system programmer.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHWSRTR

DFHXGxxxx (XRF general) messages

DFHXG6215 *applid progname operation* **failure, response code** *cccc cccc* **keyrange:** *rrrr{. | key: }key*

Explanation: Table builder services (DFHTBSS) failed in an operation on the global catalog (DFHCCCC).

The failing operation is shown in the message, and is a DELETE, WRITE_NEXT, START_WRITE or END_WRITE. request.

- *cccc cccc* are the response and reason codes from the catalog domain.
- *rrrr* is the internal RQ token passed to the catalog domain.
- *key* appears in the message only for a WRITE or DELETE operation, and usually includes the name of the resource for which CICS failed to record information on the global catalog.

This is normally an internal CICS error, however, it can occur during shut down if one task initiates a normal shut down, and another initiates an immediate shut down shortly afterwards. This is because the immediate shut down closes resources that are being used by the normal shut down task.

This can also occur if the global catalog is not big enough and a large group is being installed.

System Action: CICS terminates.

User Response: Check the size of the global catalog. Redefine a larger one if necessary.

Alternatively this message could be caused by an immediate shutdown of CICS because tasks not yet quiesced may abend trying to access a service removed by the shutdown process.

Destination: Console

Module: DFHTBSS

XMEOUT Parameters: *applid, progname, operation, cccc, cccc, rrrr, {1=., 2= key: }, key*

DFHXG6400I *applid* **Signing on to the CAVM as active with generic APPLID** *genericid*

Explanation: This is an informational message issued from the CICS TCB. It indicates that the system is about to sign on to the CICS availability manager (CAVM) as active. The message insert provides the generic applid.

System Action: CICS initialization is delayed until the signon request has been processed.

In general the delay is insignificant. In those cases where the delay is significant messages are produced by the CAVM to note the reasons.

User Response: None.

Destination: Console

Module: DFHXRA

XMEOUT Parameters: *applid, genericid*

DFHXG6401I *applid* **Sign on to the CAVM as active accepted**

Explanation: This is an informational message issued from the CICS TCB. It indicates that the signon request (refer to message DFHXG6400) has been accepted by the CAVM.

System Action: CICS initialization is resumed.

User Response: None

Destination: Console

Module: DFHXRA

XMEOUT Parameter: *applid*

DFHXG6402I *applid* **Sign on to the CAVM as active rejected**

Explanation: This is an informational message issued from the CICS TCB. It indicates that the signon request has been rejected by the CAVM. (Refer to message DFHXG6400.) Messages are produced by the CAVM to note the reasons for rejecting the request.

System Action: CICS is terminated abnormally.

User Response: Refer to message DFHXG6439 for further information and guidance. Correct the errors.

Destination: Console

Module: DFHXRA

XMEOUT Parameter: *applid*

DFHXG6403I *applid* **Sign on of** *specificid* **to the CAVM as alternate detected.**

Explanation: This is an informational message issued from the CICS TCB. It indicates that CICS has been notified that the named alternate CICS has signed on to the CAVM.

System Action: Transaction CXCU is attached to send keypoint data to alternate CICS.

User Response: None.

Destination: Console

Module: DFHXRSP

XMEOUT Parameters: *applid, specificid*

DFHXG6404I *applid* **SIGNING OFF NORMALLY FROM THE CAVM.**

Explanation: This is an informational message issued from the CICS TCB. It indicates that the system is about to sign off normally from the CAVM.

System Action: CICS termination is delayed until the sign off request has been processed.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHXRF

DFHXG6405I *applid* **SIGN OFF NORMAL FROM THE CAVM ACCEPTED.**

Explanation: This is an informational message issued from the CICS TCB. It indicates that the sign off request has been accepted by the CAVM. (Refer to message DFHXG6404).

System Action: CICS termination is continued.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHXRF

DFHXG6406I *applid* **SIGN OFF NORMAL FROM THE CAVM REJECTED.**

Explanation: This is an informational message issued from the CICS TCB. It indicates that the system is about to sign off abnormally from the CAVM.

System Action: CICS termination is delayed until the sign off request has been processed.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHXRF

DFHXG6407I *applid* **Sign off normal from the CAVM detected.**

Explanation: This is an informational message issued from the CICS TCB. It indicates that CICS has been notified that alternate CICS has signed off from the CAVM.

System Action: CICS processing continues.

User Response: None.

Destination: Console

Module: DFHXRSP

XMEOUT Parameter: *applid*

DFHXG6408I *applid* **SIGNING OFF ABNORMALLY FROM THE CAVM.**

Explanation: This is an informational message issued from the CICS TCB. It indicates that the sign off request has been accepted by the CAVM.

System Action: CICS termination continues.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHXRF

DFHXG6409I *applid* **SIGN OFF ABNORMAL FROM THE CAVM ACCEPTED.**

Explanation: This is an informational message issued from the CICS TCB. It indicates that the sign off request has been accepted by the CAVM. (Refer to message DFHXG6408).

System Action: CICS termination continues.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHXRF

DFHXG6410I *applid* **SIGN OFF ABNORMAL FROM THE CAVM REJECTED.**

Explanation: This is an informational message issued from the CICS TCB. It indicates that the sign off request has been rejected by the CAVM. (Refer to message DFHXG6408.)

Messages are produced by the CAVM to note the reasons for rejecting the request.

System Action: CICS termination continues.

User Response: Refer to the messages produced by the CAVM for further information.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHXRF

DFHXG6411I *applid* **Sign off abnormal from the CAVM detected.**

Explanation: This is an informational message issued from the CICS TCB. It indicates that CICS has been notified that the alternate CICS has signed off from the CAVM.

System Action: The system continues with normal processing. However, you should be aware that takeover does not occur if the active CICS fails.

User Response: Determine the reason for the abnormal sign-off.

Destination: Console

Module: DFHXRSP

XMEOUT Parameter: *applid*

DFHXG6415I *applid* **CICS is being taken over. Execution will be terminated.**

Explanation: This is an informational message issued from the CICS TCB. It indicates that CICS has been notified that the CAVM has accepted a takeover request from alternate CICS.

System Action: CICS is terminated abnormally with abend code 206.

User Response: None.

Destination: Console

Module: DFHXRSP

XMEOUT Parameter: *applid*

DFHXG6416I *applid* **APPARENT FAILURE OF ALTERNATE CICS DETECTED.**

Explanation: This is an informational message issued from the CICS TCB. It indicates that CICS has been notified that the alternate CICS appears to have failed.

System Action: The system continues with normal processing. However, you should be aware that takeover may not occur should the active CICS fail.

User Response: Determine the reason for the apparent failure of the alternate CICS.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHXRSP

DFHXG6417I *applid* **Recovery of alternate CICS detected.**

Explanation: This is an informational message issued from the CICS TCB. It indicates that CICS has been notified that alternate CICS has recovered from the apparent failure reported by message DFHXG6416.

System Action: The system continues with normal processing.

User Response: None.

Destination: Console

Module: DFHXRSP

XMEOUT Parameter: *applid*

DFHXG6422I *applid* **Sign off normal from the CAVM assumed.**

Explanation: This is an informational message issued from the CICS TCB. It indicates that CICS has assumed that the alternate CICS has signed off from the CAVM.

This is likely to occur when the active CICS is running on CEC 1 and:

1. the CICS alternate is started on CEC 2, or
2. the CEC 2 initial program load is repeated, or
3. CICS alternate is restarted on CEC 2.

System Action: CICS processing is continued.

User Response: None.

Destination: Console

Module: DFHXRSP

XMEOUT Parameter: *applid*

DFHXG6423I *applid* **CAVM failure detected. CICS cannot continue as active.**

Explanation: This is an informational message issued from the CICS TCB. It indicates that CICS has been notified that the CAVM has failed.

Messages are produced by the CAVM to note the reasons for failure.

System Action: CICS terminates abnormally with abend code 212.

User Response: Correct the error.

Destination: Console

Module: DFHXRSP

XMEOUT Parameter: *applid*

DFHXG6427I *applid* **Terminal control restart task has failed. CICS execution will be terminated.**

Explanation: This is an informational message issued from the CICS TCB. It indicates that the terminal control restart task has failed. It is no longer possible for CICS to continue either as active or as alternate.

Messages are produced by the terminal control restart task to note the reasons for failure.

System Action: CICS terminates abnormally with abend code 209.

User Response: Correct the error.

Destination: Console

Module: DFHXRSP

XMEOUT Parameter: *applid*

DFHXG6429I *applid* **Transaction CXCU cannot be attached.**

Explanation: This is an informational message issued from the CICS TCB. It indicates that CICS is unable to attach transaction CXCU. Therefore, CICS is unable to initiate the transmission of tracking messages. Takeover is adversely affected if CXCU cannot be attached. This can occur if:

1. CXCU is not defined to CICS, or
2. CICS is short on storage

System Action: CICS attempts to attach CXCU at regular intervals.

User Response: Either install CXCU using RDO, or alleviate the storage shortage.

Destination: Console

Module: DFHXRSP

XMEOUT Parameter: *applid*

DFHXG6439I *applid* **CICS startup is terminated for reasons given above.**

Explanation: This is an informational message indicating that CICS startup is terminated.

System Action: CICS is terminated abnormally with a dump.

User Response: Refer to previous messages that have been sent to the system console for further guidance.

Destination: Console

Module: DFHSIC1

XMEOUT Parameter: *applid*

DFHXG6440I I/O ERROR ON XRF MESSAGE DATA SET. RPL ADDRESS = HEX'*xx*'.

Explanation: VSAM reported a physical I/O error on the XRF message data set. The address X'*xx*' is that of the VSAM RPL which reported the error.

System Action: Surveillance by the XRF system ceases.

User Response: It is necessary to restart both the active and alternate CICS systems with a fresh pair of surveillance data sets. For diagnostic purposes, the message gives the address of the RPL being used at the time the error was reported. The RPL has an associated VSAM message area.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHWMMT

DFHXG6441I LOGICAL ERROR ON XRF MESSAGE DATA SET. VSAM FEEDBACK DATA = HEX' *xx*'.

Explanation: VSAM reported a logical error on the XRF message data set.

System Action: Surveillance by the XRF system ceases.

User Response: This is an error in the CICS system. For diagnostic purposes the message contains the VSAM feedback data for the error.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHWMMT

DFHXG6442I INTERNAL ERROR IN XRF MESSAGE MANAGER.

Explanation: Request chains maintained by the CICS message manager are in an inconsistent state.

System Action: Surveillance by the XRF system ceases.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHWMQS

DFHXG6443I INTERNAL ERROR IN XRF SURVEILLANCE COMPONENT.

Explanation: An invalid internal call has been made to a routine in XRF surveillance component.

System Action: Surveillance by the XRF system ceases.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHWCCS

DFHXG6444I VSAM REQUEST REJECTED FOR XRF MESSAGE DATA SET.

Explanation: A VSAM PUT or GET request directed to the XRF message data set has been rejected.

System Action: Surveillance by the XRF system ceases.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHWMMT

DFHXG6445I XRF MESSAGE DATA SET FORMATTING STARTED.

Explanation: The XRF message data set is new and must be formatted before it can be used to pass messages from the active to the alternate.

System Action: Normal service continues.

User Response: Depending on the size of the message data set, there will be some delay before the active can send messages to the alternate. It may be advisable to defer starting an alternate system until the corresponding message DFHXG6446 has been received.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHWMMT

DFHXG6446I XRF MESSAGE DATA SET FORMATTING COMPLETED.

Explanation: The XRF message data set has now been formatted. It can be used to pass messages from the active to the alternate.

System Action: Normal service continues.

User Response: None. See message DFHXG6445.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHWMMT

DFHXG6447I NON CRUCIAL XRF MESSAGE(S) DISCARDED.

Explanation: The XRF message data set is full. Some messages are being discarded in preference to invalidating the alternate system by overwriting messages that it has not yet read.

System Action: Normal service continues.

User Response: This situation is likely to arise in circumstances similar to those described for message DFHXA6541. The alternate has not yet become invalid but is likely to become so and corrective action is warranted. Refer to message DFHXA6541 for further guidance.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHWMWR

DFHXG6450I SVC GETMAIN FAILED IN XRF SURVEILLANCE.

Explanation: An SVC GETMAIN issued by the CICS surveillance component has failed. The GETMAIN may have been issued under either the CICS TCB or the XRF TCB.

System Action: An MVS abend 0190 is issued.

User Response: Since the GETMAIN requests storage above the 16MB line, it is extremely unlikely that the request cannot be satisfied.

A system error may have occurred. If this is the case, you will require further assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHWCCS

DFHXG6451I SVC GETMAIN FAILED IN XRF SURVEILLANCE.

Explanation: An SVC GETMAIN issued by the CICS surveillance component has failed. The GETMAIN may have been issued under either the CICS TCB or the XRF TCB.

System Action: An MVS abend 0191 is issued.

User Response: Since the GETMAIN requests storage above the 16MB line it is extremely unlikely that the request cannot be satisfied.

A system error may have occurred. If this is the case, you will need further assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHWLGET

DFHXG6452I INTERNAL ERROR IN XRF SURVEILLANCE.

Explanation: A consistency check made by the XRF LIFO storage manager has failed. The failure may have occurred while running under either the CICS TCB or the XRF TCB.

System Action: An MVS abend 0192 is issued.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHWLFRE

DFHXG6453I INTERNAL ERROR IN XRF SURVEILLANCE.

Explanation: A consistency check made by the XRF process manager has failed. A process has made an invalid internal lock request.

System Action: An MVS abend 0193 is issued.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHWDWAT

DFHXG6454I PROGRAM CHECK IN XRF SURVEILLANCE. PSW = HEX'*xx***' '***xx***'. ADDRESS OF EPIE COPY = HEX'***xx***'.**

Explanation: A program check occurred from which the XRF process was unable to recover.

System Action: An MVS abend 0194 is issued and a dump is produced.

User Response: This is an error in the CICS system. The message gives the PSW at which the check occurred. Further information is preserved in the dump.

You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHWDSRP

DFHXG6475 *applid iiii* **Backup simlogon(s) abandoned**

Explanation: An XRF alternate is taking over, and is processing the last few session tracking requests.

CICS has issued a SIMLOGON for a standby session, but VTAM has not yet returned the logon request to CICS's VTAM logon exit.

Message DFHXG6480 has been issued twice, and CICS has now assumed that the logons will not appear.

Normal processing continues, though the state of the sessions currently pending backup SIMLOGON is unpredictable at the end of CICS initialization.

The reconnection process attempts to BIND these sessions normally.

System Action: Normal takeover processing continues.

User Response: The CSTL log and CICS trace should be collected.

Destination: Console

Module: DFHZXST

XMEOUT Parameters: *applid, iiii*

DFHXG6476I *applid* **XRF catch-up abandoned - all XRF alternates signed off**

Explanation: A run of the XRF catch-up transaction has been abandoned because there are no XRF alternates. A failing alternate may have issued some messages.

System Action: Normal processing continues.

User Response: None.

Destination: Console

Module: DFHZXCU

XMEOUT Parameter: *applid*

DFHXG6477I *applid* **Generic and Specific Ids have same value**

Explanation: A CICS system has issued the command to re-assign the VTAM USERVAR representing the XRF complex so that from now on logon requests to the XRF complex are directed to this CICS. However, this system is an XRF primary, and the value of the specific ID is the same as the generic ID for the XRF complex.

System Action: Normal processing continues.

User Response: None. However special care must be taken when using the application ID. You must make it clear whether reference is being made to the CICS system or to the XRF complex.

Destination: Console

Module: DFHZXSTS

XMEOUT Parameter: *applid*

DFHXG6479 *applid* **Modify USERVAR issued unsuccessfully. Return code** *nn*

Explanation: A CICS system has unsuccessfully issued a command to re-assign the VTAM USERVAR representing the XRF complex.

System Action: Normal processing continues.

User Response: The system operator can issue the command on CICS's behalf. The format is as follows:

F procname,USERVAR,ID=generic-id,VALUE=specific-id

Where:

- 'procname' is the procedure name for VTAM,
- 'generic-ID' is the VTAM application ID for the whole complex, and
- 'specific-ID' is the VTAM application ID for the new CICS

If it is not possible to change the USERVAR, end-user logons which name the generic-ID value continue to be directed to the old specific-applid, with unpredictable results.

(However, logons quoting the specific-ID of the new system are routed to that system.)

Destination: Console

Module: DFHZXSTS

XMEOUT Parameters: *applid, nn*

DFHXG6480I *applid* **Waiting for backup simlogon processing to drain**

Explanation: An XRF alternate is taking over, and is processing the last few session tracking requests.

CICS has issued SIMLOGON for a standby session, but VTAM has not yet returned the logon request to the CICS VTAM logon exit.

This message is issued every 5 seconds for 20 seconds while the takeover is being held up.

This indicates either a VTAM error or a CICS logic error.

System Action: This message is issued twice and then message DFHXG6475 is issued.

User Response: If this message is repeated look for other evidence of failure in CICS or VTAM.

Destination: Console

Module: DFHZXQO

XMEOUT Parameter: *applid*

DFHXG6481I *applid* **Autoconnect delayed for** *hh* **hours,** *mm* **minutes,** *ss* **seconds.**

Explanation: CICS has delayed running the reconnection transaction CXRE for an interval of *hh* hours, *mm* minutes, *ss* seconds, to either:

- acquire AUTOCONNECT terminals after a CICS startup, or
- reacquire terminal sessions after an XRF takeover.

The delay value, *hh* hours, *mm* minutes, *ss* seconds, is taken from the AUTCONN system initialization parameter.
In the case of XRF takeover, a value calculated from the number of standby BINDs held at the time of takeover. This extra interval allows the switching of XRF-capable terminals before non-XRF sessions are reconnected by CXRE.

System Action: Normal processing continues.

User Response: None.

Destination: Console

Module: DFHSIJ1

XMEOUT Parameters: *applid, hh, mm, ss*

DFHXG6482 *applid* **Unable to issue SETLOGON HOLD (***reqcode***,***reg15***,***reg0***)**

Explanation: This message is issued if VTAM SETLOGON START fails during initialization or if in preparation for changing the routing of VTAM logons, this system (which is currently doing an XRF takeover) has attempted to request VTAM to stop passing any more logon requests to it. The attempt failed, and the details of the failure are given in the message, as follows.

The first insert is one of the following.

- 'S'—The SETLOGON START request failed.
- 'H'—The SETLOGON HOLD request failed.

The second and third inserts are the values of registers 15 and 0, respectively, at the time of the failure.

See the *VTAM Programming* manual for your release of VTAM for the interpretation of these values.

Valid logons reaching CICS before message DFHSI1517 is issued may be rejected.

System Action: Normal processing continues.

User Response: Note the message.

Destination: Console

Module: DFHZXSTS

XMEOUT Parameters: *applid, reqcode, reg15, reg0*

DFHXG6483I *applid* **This will be the last pass.**

Explanation: The reconnection transaction CXRE is about to scan the VTAM terminals and sessions that were to be (re)connected for the last time. All those found are listed in message DFHXG6486.

System Action: Processing continues

User Response: If any of the VTAM terminals or sessions listed in message DFHXG6486 are crucial, then check whether they are successfully connected as a result of this pass.

Destination: Console

Module: DFHZXRE

XMEOUT Parameter: *applid*

DFHXG6484I *applid* **Autoconnect processing now complete.**

Explanation: The reconnection transaction CXRE has just scanned all the VTAM terminals and sessions, and all those that were to be (re)connected are now connected.

System Action: Processing continues

User Response: None.

Destination: Console

Module: DFHZXRE

XMEOUT Parameter: *applid*

DFHXG6485 *applid* **Unable to schedule Autoconnection / Reconnection process.**

Explanation: CICS initialization attempted to schedule the reconnection process, but was unable to do this as CICS rejected the DFHPC TYPE=LINK call.

See following message DFHXG6487 or DFHXG6488 for the reason.

System Action: The reconnection process is not run.

User Response: CEMT must be used to restore individual terminals to the desired state.

Destination: Console

Module: DFHZOPA

XMEOUT Parameter: *applid*

DFHXG6486I *applid termid* **may not be acquired after takeover**

Explanation: The reconnection transaction, CXRE, is making its last run, but has discovered that terminal or session *termid* is still not bound in the same status that it was in during the previous failed run of CICS.

System Action: Normal processing continues.

User Response: Note the terminal identification *termid* in the message, and try to discover why previous reconnection attempts failed. The terminal may not have been physically switched, for example, CEMT may be used to acquire individual terminals after such problems have been cleared.

Destination: Console

Module: DFHZXRE0

XMEOUT Parameters: *applid, termid*

DFHXG6487 *applid* **Unexpected IC/PC error code** *X'code'***. Module** *modname*

Explanation: The reconnection transaction CXRE could not be scheduled or rescheduled., as the DFHIC TYPE=INITIATE or DFHPC TYPE=LINK was rejected with code X'*code*'. This is caused by a CICS logic error.

This message follows either:

- DFHXG6485 if CICS was unable to schedule CXRE, or
- DFHXG6489 if CICS was unable to reschedule CXRE.

System Action: The action taken by CICS depends upon whether the error occurred during scheduling or rescheduling of CXRE.

Refer to the system action for either DFHXG6485 or DFHXG6489 for further details about the action taken by CICS.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Modules: DFHSIJ1, DFHZOPA

XMEOUT Parameters: *applid, X'code', modname*

DFHXG6488 *applid* **Required transaction CXRE is not defined to CICS. Module** *modname*

Explanation: The reconnection transaction, CXRE, could not be rescheduled. This was because either the transaction code required no longer has an installed transaction definition, or the program required does not have an installed program definition.

This message follows DFHXG6489 or DFHXG6485

System Action: The current run of the reconnection transaction is the last one. Message DFHXG6486 is issued for all terminals and sessions found.

User Response: If non-XRF terminals are to be reconnected, correct the problem.

Destination: Console

Modules: DFHSIJ1, DFHZOPA

XMEOUT Parameters: *applid, modname*

DFHXG6489 *applid* **Unable to schedule Autoconnection / Reconnection transaction CXRE. Module** *modname***.**

Explanation: The reconnection transaction, CXRE, attempted to reschedule itself, but was unable to as CICS interval control rejected the DFHIC TYPE=INITIATE call.

This message is followed either by DFHXG6487 or DFHXG6488, which provides further information about the cause of the error.

System Action: The current run of the reconnection transaction is the last one. Message DFHXG6486 is issued for all terminals and sessions found.

User Response: See the following message. CEMT may be used to acquire individual terminals.

Destination: Console

Module: DFHSIJ1

XMEOUT Parameters: *applid, modname*

DFHXG6490I *applid* **Reconnecting VTAM session - pass number** *xxxx*

Explanation: Control has recently been given to CICS after an XRF takeover. The reconnection transaction, CXRE, which attempts to start acquire processing for logical units that were in session in the failed active, has just started for the pass number *xxxx*.

System Action: Normal processing continues.

User Response: Note any error messages arising as CICS attempts to reconnect terminals and sessions.

Destination: Console

Module: DFHZXRE0

XMEOUT Parameters: *applid, xxxx*

DFHXG6491 *applid* **Logic error during session tracking. REASON** *rcode terminal/session event*

Explanation: XRF session tracking encountered an unexpected circumstance probably due to a design error. The reason code (*rcode*) is one of the following.

1 POST called but no pending action for terminal or session.

Inserts:

- name of terminal or session.

2 DFHZXST called with bad request value.

3 XRF-capable session lacks a correlation id.

Inserts:

- name of terminal or session,
- code for event being tracked.

The following are valid for DFHSUSX only.

- X'01'—Send sign on data
- X'02'—Send sign on data (catchup)
- X'03'—Receive sign on data

The following are valid for DFHZXST only.

- X'F1'—BIND
- X'F2'—Free LOGON data
- X'F3'—UNBIND

4 Could not get key to build tracking message.

Inserts:

- name of terminal or session
- code for event being tracked (see 3 above)

5 Could not get send tracking message.

Inserts:

- name of terminal or session
- code for event being tracked (see 3 above)

6 Could not find session named in tracking message.

Inserts:

- name of terminal or session
- code for event being tracked (see 3 above)

7 Illegal entry named in tracking message.

Inserts:

- name of terminal or session
- code for event being tracked (see 3 above)

8 Bad request code in tracking message.

Inserts:

- name of terminal or session
- bad request code (see 3 above for valid DFHZXST codes)

9 Correlator in tracking message is longer than 8.

Insert:

- name of terminal or session

10 Unable to schedule standby BIND.

Insert:

- name of terminal or session.

System Action: Normal processing continues.

User Response: Note the message. Resources and states may be incorrect should the backup take over. If many of these messages are issued, then it is likely that there is a more general problem.

Destination: Console

Modules: DFHSUSX, DFHZXST

XMEOUT Parameters: *applid, rcode, terminal/session, event*

DFHXG6492I *applid* **XRF catch-up logic error** *reason length*

Explanation: The XRF catch-up program encountered an unexpected circumstance probably due to a CICS design error. The reason, indicated by the first insert, is one of the following:

1 Catalog record internal length value not correct.
2 Catalog record format error. There is no room for a key.
3 Catalog record format error. The key is longer than 16.
4 Catalog record too long for buffer (variable CUBUFFER). The second insert gives the required length.
5 Unexpected ABEND or response from EXEC CICS command.
6 Catalog record format error. There is no resource manager prefix.

System Action: In cases 1, 2, 3, and 6 above, normal processing continues.

In case 4, DFHZXCU abends with abend code AZXB. In case 5, DFHZXCU abends with abend code AZXA.

User Response: Note the message. Resources and states may be incorrect should the alternate take over. If many of these messages are issued, it is likely that there is a more general problem.

Destination: Console

Module: DFHZXCU

XMEOUT Parameters: *applid, reason, length*

DFHXG6493 *date time applid* **XRF tracking record could not be sent** *xxxx xxxx xxxx xxxx xxxx* **(Module:** *modname***)**

Explanation: The XRF catch-up program obtained a bad return code from the XRF message manager and was unable to send a record that the alternate would require to obtain a correct copy of the active. The inserts (internal diagnostic information) are:

1. WMSRETC

   DFHWMS return code. (For values and meanings of the return codes, refer to the XRF CICS manager request interface block (WMSPS) listing in the *CICS Data Areas*.)
2. WMSREASN

   DFHWMS reason code. (For values and meanings of the reason codes, please refer to the XRF CICS manager request interface block (WMSPS) listing in the *CICS Data Areas*.)
3. XTR-KEY-VALUE is the key of the tracking record.
4. XTR-ID is the record ID, where
   - zero = tracking, and
   - non-zero = catch-up.
5. XTR-TYPE is the record type (see DFHZXTR), where
   - X = tracking control,
   - C = TCT contents,
   - S = ZCP session tracking, and
   - U = sign on data

The message is issued from module *modname*.

System Action: Normal processing continues.

User Response: Note the message. Resources and states may be incorrect should the alternate take over. If many of these messages are issued, then it is likely that there is a more general problem.

Destination: Console and Transient Data Queue CSMT

Modules: DFHZXCU, DFHZXST, DFHTCRP, DFHTBSSP, DFHSUSX

XMEOUT Parameters: *date, time, applid, xxxx, xxxx, xxxx, xxxx, xxxx, modname*

DFHXG6494I *date time applid* **XRF session state catch-up ended**

Explanation: The XRF catch-up program has just finished an attempt to send messages to allow a newly signed-on alternate CICS to bring itself up to date with respect to the bound or unbound session states.

System Action: Normal processing continues.

User Response: None.

Destination: CSMT

Module: DFHZXCU

XMEOUT Parameters: *date, time, applid*

DFHXG6495I *date time applid* **XRF session state catch-up started**

Explanation: The XRF catch-up program is about to start an attempt to send messages to allow a newly signed-on alternate CICS to bring itself up to date with respect to the bound or unbound session states.

System Action: Normal processing continues.

User Response: None.

Destination: CSMT

Module: DFHZXCU

XMEOUT Parameters: *date, time, applid*

DFHXG6496I *date time applid* **XRF TCT contents catch-up ended**

Explanation: The XRF catch-up program has just finished an attempt to send messages to allow a newly signed-on alternate CICS to bring itself up to date with respect to the contents of the TCT.

System Action: Normal processing continues.

User Response: None.

Destination: CSMT

Module: DFHZXCU

XMEOUT Parameters: *date, time, applid*

DFHXG6497I *date time applid* **XRF TCT contents catch-up started**

Explanation: The XRF catch-up program is about to start an attempt to send messages to allow a newly signed-on alternate CICS to bring itself up to date with respect to the contents of the TCT.

System Action: Normal processing continues.

User Response: None.

Destination: CSMT

Module: DFHZXCU

XMEOUT Parameters: *date, time, applid*

DFHXG6498I *date time applid* **XRF catch-up ended**

Explanation: The XRF catch-up program has just finished an attempt to send messages to allow a newly signed-on alternate CICS to bring itself up to date.

System Action: Normal processing continues.

User Response: None.

Destination: CSMT

Module: DFHZXCU

XMEOUT Parameters: *date, time, applid*

DFHXG6499I *date time applid* **XRF catch-up started**

Explanation: The XRF catch-up program is about to start an attempt to send messages to allow a newly signed-on alternate CICS to bring itself up to date.

User Response: None.

System Action: Normal processing continues.

Destination: CSMT

Module: DFHZXCU

XMEOUT Parameters: *date, time, applid*

DFHXG6500I *applid* **Signing on to the CAVM as alternate with generic APPLID** *genericid*

Explanation: This is an informational message issued from the CICS TCB. It indicates that the system is about to sign on to the CICS availability manager (CAVM) as alternate. The message insert provides the generic applid.

System Action: CICS initialization is delayed until the sign on request has been processed. In general the delay is insignificant. In those cases where the delay is significant messages are produced by the CAVM to note the reasons.

User Response: None.

Destination: Console

Module: DFHXRA

XMEOUT Parameters: *applid, genericid*

DFHXG6501I *applid* **Sign on to the CAVM as alternate accepted**

Explanation: This is an informational message issued from the CICS TCB. It indicates that the sign on request has been accepted by the CAVM. (Refer to message DFHXG6500.)

System Action: CICS initialization is resumed.

User Response: None.

Destination: Console

Module: DFHXRA

XMEOUT Parameter: *applid*

DFHXG6502I *applid* **Sign on to the CAVM as alternate rejected**

Explanation: This is an informational message issued from the CICS TCB. It indicates that the sign on request has been rejected by the CAVM. (Refer to message DFHXG6500.) Messages are produced by the CAVM to note the reasons for rejecting the request.

System Action: CICS initialization is terminated.

User Response: None.

Destination: Console

Module: DFHXRA

XMEOUT Parameter: *applid*

DFHXG6503I *applid* **Sign on of** *specificid* **to the CAVM as active detected.**

Explanation: This is an informational message issued from the CICS TCB. It indicates that CICS has been notified that the named active CICS has signed on to the CAVM.

System Action: CICS initialization continues.

User Response: None.

Destination: Console

Module: DFHXRSP

XMEOUT Parameters: *applid, specificid*

DFHXG6507I *applid* **Sign off normal from the CAVM detected.**

Explanation: This is an informational message issued from the CICS TCB. It indicates that CICS has been notified that active CICS has signed off from the CAVM.

System Action: CICS processing is terminated.

User Response: None.

Destination: Console

Module: DFHXRSP

XMEOUT Parameter: *applid*

DFHXG6511I *applid* **Sign off abnormal from the CAVM detected.**

Explanation: This is an informational message issued from the CICS TCB. It indicates that CICS has been notified that active CICS has signed off from the CAVM.

System Action: The action taken depends on the current value of the takeover option. This is specified in the system initialization table. The CEBT SET TAKEOVER command is used to change the value. A takeover request is passed to the CAVM if the current value of the takeover option is either AUTOMATIC or MANUAL.

User Response: The user response, if any, is installation dependent.

Destination: Console

Module: DFHXRSP

XMEOUT Parameter: *applid*

DFHXG6512I *applid* **Takeover request passed to the CAVM**

Explanation: This is an informational message issued from the CICS TCB. It indicates that the system is about to request the CAVM to initiate takeover.

System Action: CICS initialization continues.

User Response: None.

Destination: Console

Module: DFHXRA

XMEOUT Parameter: *applid*

DFHXG6513I *applid* **Takeover request accepted by the CAVM**

Explanation: This is an informational message issued from the CICS TCB. It indicates that the takeover request (refer to message DFHXG6512) has been accepted by the CAVM.

System Action: CICS initialization continues.

User Response: None.

Destination: Console

Module: DFHXRA

XMEOUT Parameter: *applid*

DFHXG6514I *applid* **Takeover request rejected by the CAVM**

Explanation: This is an informational message issued from the CICS TCB. It indicates that the takeover request (refer to message DFHXG6512) has been rejected by the CAVM. Messages are produced by the CAVM to note the reasons for rejecting the request.

System Action: CICS initialization continues.

User Response: None.

Destination: Console

Module: DFHXRA

XMEOUT Parameter: *applid*

DFHXG6516I *applid* **Apparent failure of active CICS detected.**

Explanation: This is an informational message issued from the CICS TCB. It indicates that CICS has been notified that active CICS appears to have failed.

System Action: The action taken depends on the current value of the takeover option. This is specified in the system initialization table. The CEBT SET TAKEOVER command is used to change the value. A takeover request will be passed to the CAVM if the current value of the takeover option is AUTOMATIC. Message DFHXG6518 will be sent to the console if the current value is MANUAL.

User Response: Determine the reason for the apparent failure of active CICS.

Destination: Console

Module: DFHXRSP

XMEOUT Parameter: *applid*

DFHXG6517I *applid* **Recovery of active CICS detected.**

Explanation: This is an informational message issued from the CICS TCB. It indicates that CICS has been notified that active CICS has recovered from the apparent failure reported by message DFHXG6516.

System Action: CICS initialization continues.

User Response: None.

Destination: Console

Module: DFHXRSP

XMEOUT Parameter: *applid*

DFHXG6518A *applid* **APPARENT FAILURE OF ACTIVE CICS DETECTED. REPLY 'TAKEOVER' OR 'IGNORE'**

Explanation: This is an action message issued from the CICS TCB. It is issued when the current value of the active CICS appears to have failed.

System Action: If the reply is 'TAKEOVER', CICS requests the CAVM to initiate takeover.

If the reply is 'IGNORE', CICS assumes one of the following:

- The active CICS system recovers from the apparent failure.
- The active CICS system is restarted.
- The CEBT PERFORM TAKEOVER command is used to initiate takeover.

Subsequent events may mean that the user need not reply to message DFHXG6518A. Examples of this are :

- If CICS is notified that the active CICS system has recovered from the apparent failure reported by message DFHXG6516, messages DFHXG6517 and DFHXG6519 are sent to the console.
- If CICS is notified that the active CICS system has signed off abnormally from the CAVM, messages DFHXG6511 and DFHXG6519 are sent to the console.
- If takeover is initiated (from the alternate CICS system) at the same time as the active CICS recovers from the apparent failure reported by message DFHXG6516, messages DFHXG6513 and DFHXG6539 are sent to the console.

User Response: Determine the reason for the apparent failure of the active CICS. If possible, resolve the failure and make the appropriate reply.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHXRSP

DFHXG6519I *applid* **The reply to message DFHXG6518 is assumed to be IGNORE.**

Explanation: This is an informational message issued from the CICS TCB. It indicates that CICS no longer requires the user to respond to message DFHXG6518.

System Action: CICS initialization continues.

User Response: None.

Destination: Console

Module: DFHXRSP

XMEOUT Parameter: *applid*

DFHXG6520I *applid* **CICS shutdown initiated by CAVM event.**

Explanation: This is an informational message issued from the CICS TCB. CICS initiated shutdown occurs in the following situations:

1. CICS is notified that active CICS has signed off normally from the CAVM. Message DFHXG6507 is sent to the console.
2. CICS is notified that active CICS has been restarted "in place". Message DFHXG6511 is sent to the console.
3. CICS assumes that the active CICS has signed off normally from the CAVM. Message DFHXG6522 is sent to the console.

System Action: CICS terminates normally, but note that takeover does not occur if (active) CICS fails.

User Response: Consider restarting (alternate) CICS.

Destination: Console

Module: DFHXRSP

XMEOUT Parameter: *applid*

DFHXG6522I *applid* **Sign off normal from the CAVM assumed.**

Explanation: This is an informational message issued from the CICS TCB. It indicates that CICS has assumed that the active CICS has signed off from the CAVM. This is likely to occur when the alternate CICS is running on CEC 1 and:

1. Active CICS is started on CEC 2.
2. CEC 2 is reinitialized.
3. Active CICS is restarted on CEC 2.

System Action: CICS processing is terminated.

User Response: None.

Destination: Console

Module: DFHXRSP

XMEOUT Parameter: *applid*

DFHXG6523I *applid* **CAVM failure detected. CICS cannot continue as Alternate.**

Explanation: This is an informational message issued from the CICS TCB. It indicates that CICS has been notified that the CAVM has failed. Messages are produced by the CAVM to note the reasons for failure.

System Action: CICS terminates abnormally. The abend code is 207.

User Response: Correct the error.

Destination: Console

Module: DFHXRSP

XMEOUT Parameter: *applid*

DFHXG6524I *applid* **CAVM error detected. CICS cannot continue as Alternate.**

Explanation: This is an informational message issued from the CICS TCB. It indicates that CICS has been notified that the CAVM has detected an error that prevents CICS from continuing as an alternate.

This would be the case, for example, where the alternate CICS has been unable to keep up with the messages generated by the active CICS.

Messages are produced by the CAVM to note the reasons for failure.

System Action: CICS terminates abnormally. The abend code is 213.

User Response: Correct the error.

Destination: Console

Module: DFHXRSP

XMEOUT Parameter: *applid*

DFHXG6539I *applid* **The reply to message DFHXG6518 is assumed to be TAKEOVER.**

Explanation: This is an informational message issued from the CICS TCB. It indicates that CICS no longer requires the user to respond to message DFHXG6518.

System Action: CICS initialization continues.

User Response: None.

Destination: Console

Module: DFHXRSP

XMEOUT Parameter: *applid*

DFHXG6680I *applid* **TIME-OF-DAY CLOCK DIFFERENCE IS AT LEAST** *sss* **SECONDS.**

Explanation: This is an informational message issued from the CICS TCB. Active CICS and alternate CICS systems are executing on different CECs, and the time-of-day clock on the alternate CEC is earlier than that on the active CEC. If takeover occurs then some CICS processing will have to be delayed until the time-of-day clock on the alternate CEC is later than that on the active CEC. The CAVM has estimated the lower bound to the clock difference and this is at least 15 seconds; the message contains the estimated difference. Note that the lower bound may change as more surveillance signals are processed by the CAVM. This may be the case within the first 3 to 5 surveillance signals of the active CICS starting. An elapsed time of some 10 seconds. This message is repeated as necessary.

System Action: CICS processing continues.

User Response: Ensure that the time-of day clocks are synchronized as closely as possible. Note that takeover times may be increased if the difference in values is significant.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHXRSP

DFHXG6681I *applid* **TIME-OF-DAY CLOCK DIFFERENCE IS AT MOST** *sss* **SECONDS.**

Explanation: This is an informational message issued from the CICS TCB. Active CICS and alternate CICS systems are executing on different CECS, and the time-of-day clock on the alternate CEC is earlier than that on the active CEC. If takeover occurs then some CICS processing will have to be delayed until the time-of-day clock on the alternate CEC is later than that on the active CEC. The CAVM has estimated the upper bound to the clock difference and this is at least 15 seconds; the message contains the estimated difference. Note that the upper bound may change as more surveillance signals are processed by the CAVM; message DFHXG6681 will be repeated as necessary.

System Action: CICS processing continues.

User Response: Ensure that the time-of day clocks are synchronized as closely as possible. Note that takeover times may be increased if the difference in values is significant.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHXRSP

DFHXG6682I *applid* **XRF clock synchronization started**

Explanation: This is an informational message issued from the CICS TCB. The time-of-day clock on the alternate CEC is earlier than that on the active CEC; time dependent processing must be suspended. Such processing is delayed until the time-of-day clock value on the alternate is later than that on the active CEC when the active job terminated.

System Action: Some CICS initialization continues.

User Response: Ensure that the time-of-day clocks are synchronized as closely as is possible. Note that takeover times may be increased if the difference in values is significant.

Destination: Console

Module: DFHXRA

XMEOUT Parameter: *applid*

DFHXG6683I *applid* **XRF clock synchronization ended**

Explanation: This is an informational message issued from the CICS TCB. The time-of-day clock on the alternate CEC is now later than that on the active CEC; time dependent processing can be resumed.

System Action: CICS initialization continues.

User Response: None.

Destination: Console

Module: DFHXRA

XMEOUT Parameter: *applid*

DFHXMxxxx messages

DFHXM0001 *applid* **An abend (code** *aaa/bbbb***) has occurred at offset** *X'offset'* **in module** *modname***.**

Explanation: An abnormal end (abend) or program check has occurred in module *modname*. This implies that there may be an error in the CICS code. Alternatively, unexpected data has been input, or storage has been overwritten.

The code *aaa/bbbb* is a 3-digit hexadecimal MVS code (if applicable), followed by a 4-digit alphanumeric CICS code. The MVS code is a system completion code (for example, 0C1 or D37). If an MVS code is not applicable, this field is filled with three hyphens. The CICS code is an abend code or a number referring to a CICS message (for example, AKEA is a CICS abend code; 1310 refers to message DFHTS1310).

System Action: An exception entry is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS continues unless you have specified in the dump table that CICS should terminate. In some circumstances CICS is terminated directly if the error occurred in a crucial XM domain module.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: If CICS is still running, it is necessary to decide whether to terminate CICS.

Look up the MVS code, if there is one, in the relevant MVS codes manual which is detailed in the book list in the front of this manual.

Next, look up the CICS alphanumeric code in this manual. for further guidance.

If module *modname* is not crucial to the running of your CICS system, you may decide to continue to run and bring CICS down at a convenient time to resolve the problem.

If you cannot run without the full use of module *modname* you should bring CICS down in a controlled shutdown.

You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Modules: DFHXMAT, DFHXMBD, DFHXMCL, DFHXMDD, DFHXMDM, DFHXMER, DFHXMFD, DFHXMIQ, DFHXMLD, DFHXMQD, DFHXMQC, DFHXMRP, DFHXMSR, DFHXMTA, DFHXMXD, DFHXMXE

XMEOUT Parameters: *applid, aaa/bbbb, X'offset', modname*

DFHXM0002 *applid* **A severe error (code** *X'code'***) has occurred in module** *modname***.**

Explanation: An error has been detected in module *modname*. The code X'*code*' is the exception trace point id which uniquely identifies what the error is and where the error was detected.

System Action: An exception entry (code X'*code*' in the message) is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS continues unless you have specified in the dump table that CICS should terminate. In some circumstances CICS is terminated directly if the error is critical.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: This indicates a possible error in CICS code. The severity of its impact depends on the importance of the function being executed at the time of the error.

CICS may not have been terminated. If the message occurs once and module *modname* is not crucial to the running of your CICS system, you may decide to continue to run and bring CICS down at a convenient time to resolve the problem.

If the message recurs or if you cannot run without the full use of module *modname*, you should bring CICS down in a controlled shutdown.

You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Modules: DFHXMAT, DFHXMBD, DFHXMCL, DFHXMDD, DFHXMDM, DFHXMER, DFHXMFD, DFHXMIQ, DFHXMLD, DFHXMQD, DFHXMQC, DFHXMRP, DFHXMSR, DFHXMTA, DFHXMXD, DFHXMXE

XMEOUT Parameters: *applid, X'code', modname*

DFHXM0004 *applid* **A possible loop has been detected at offset** *X'offset'* **in module** *modname***.**

Explanation: A CICS function is taking more time to process than CICS expects. A possible loop has been detected in module *modname* at offset X'*offset*'. This is the offset of the instruction which happened to be executing at the time when the error was detected.

System Action: An exception entry is made in the trace table. A system dump is taken unless you have specifically suppressed the dump (by a user exit program at the XDUREQ exit, in the dump table or by global system dump suppression). CICS processing continues unless you have specified in the dump table that CICS should terminate.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: If CICS has not been terminated, it is necessary to decide whether the problem is serious enough to bring CICS down.

Since some CICS functions can use a lot of CPU time, this message may have been caused by a long-running function. So there may not be an error. Usually, CICS purges a CICS function which exceeds the runaway task time interval which you have specified in the SIT (this is the ICVR which is measured in milliseconds). This means that execution of module *modname* is terminated and CICS continues.

If you have specifies ICVR=0 in the SIT and you consider that module *modname* has gone into a loop, you have to terminate CICS in order to terminate the runaway function.

If CICS has terminated module *modname*, and you consider that it was not a runaway, you should increase the ICVR time interval in the SIT. You have to bring CICS down at a suitable time to do this permanently. But you can change the ICVR time interval temporarily online using the CEMT transaction.

If raising the ICVR time does not solve the problem, you may need further assistance from IBM to resolve the problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Modules: DFHXMAT, DFHXMBD, DFHXMCL, DFHXMDD, DFHXMDM, DFHXMER, DFHXMFD, DFHXMIQ, DFHXMLD, DFHXMQD, DFHXMQC, DFHXMRP, DFHXMSR, DFHXMTA, DFHXMXD, DFHXMXE

XMEOUT Parameters: *applid, X'offset', modname*

DFHXM0101 *date time applid terminal userid tranid* **TRANSACTION definition entry for** *transname* **has been added.**

Explanation: This is an audit log message indicating that transaction definition entry *transname* has been added to the system using the INSTALL command.

- *terminal* is the netname or termid of the terminal associated with the transaction issuing the message. If there is no terminal associated with the transaction, the terminal name is suppressed.
- *userid* is the user identifier of the user associated with the transaction issuing the message.
- *tranid* is the transaction issuing the message.

System Action: The system continues normally.

User Response: None.

Destination: CSKL

Module: DFHXMXD

XMEOUT Parameters: *date, time, applid, terminal, userid, tranid, transname*

DFHXM0103 *date time applid terminal userid tranid* **TRANSACTION definition entry for** *transname* **has been deleted.**

Explanation: This is an audit log message indicating that transaction definition entry *transname* has been deleted from the system using the DISCARD command.

- *terminal* is the netname or termid of the terminal associated with the transaction issuing the message. If there is no terminal associated with the transaction, the terminal name is suppressed.
- *userid* is the user identifier of the user associated with the transaction issuing the message.
- *tranid* is the transaction issuing the message.

System Action: The system continues normally.

User Response: None.

Destination: CSKL

Module: DFHXMDD

XMEOUT Parameters: *date, time, applid, terminal, userid, tranid, transname*

DFHXM0105 *date time applid terminal userid tranid* **TRANSACTION definition entry for** *transname* **has been replaced.**

Explanation: This is an audit log message indicating that transaction definition entry *transname* has been replaced in the system using the INSTALL command.

- *terminal* is the netname or termid of the terminal associated with the transaction issuing the message. If there is no terminal associated with the transaction, the terminal name is suppressed.
- *userid* is the user identifier of the user associated with the transaction issuing the message.
- *tranid* is the transaction issuing the message.

System Action: The system continues normally.

User Response: None.

Destination: CSKL

Module: DFHXMXD

XMEOUT Parameters: *date, time, applid, terminal, userid, tranid, transname*

DFHXM0110 *date time applid* **Transaction definition** *transid1* **has been installed with the same REMOTENAME and REMOTESYSTEM as existing definition** *transid2***.**

Explanation: Transaction definition *transid1* has been installed with the same REMOTENAME and REMOTESYSTEM as transaction definition *transid2*.

If this CICS system routes a transaction to the CICS system named as the REMOTESYSTEM of both the definitions and that transaction issues an EXEC CICS START request for the transaction-id named as the REMOTENAME of *transid1* and *transid2*, CICS can either attach *transid1* or *transid2* on the local system to satisfy the START request.

System Action: The install of transaction definition *transid1* continues normally.

If an EXEC CICS START request is issued on a remote system as described in the message explanation, CICS attaches *transid1* and not *transid2* on the local system.

CICS does not always resolve this ambiguity in the same way after a warm or emergency restart, however.

User Response: This situation usually causes no problems because the correct transaction is attached in the remote system. However, the correct transaction in the local system may not have been attached and this can manifest itself in the following ways:

- Inconsistent statistics being accumulated in the local system.
- The incorrect TRPROF being used when routing the START request back over to the remote system.
- CEMT INQUIRE TASK showing the wrong set of transactions running in the local system.

Although these are not necessarily problems, you may want to check the definitions of the remote transactions in this system in case they have been defined incorrectly.

If remote START requests are issued as described, and it does matter which transaction CICS attaches in the local system, you should modify and reinstall the transaction definition that should not be attached. This removes any ambiguity.

Destination: CSMT

Module: DFHXMXD

XMEOUT Parameters: *date, time, applid, transid1, transid2*

DFHXM0111 *date time applid* **Catalog failure while processing** *{INSTALL | SET | DISCARD}* **request for transaction definition** *transid***.**

Explanation: An error has occurred while altering the catalog during the processing of an install, set, or discard request for transaction definition *transid*.

System Action: The request continues as normal.

Depending upon the error that has occurred with the catalog, there may be severe problems if a warm or emergency restart of CICS is attempted. The catalog domain will have issued a message outlining the problem in this case.

Alternatively the problem may only be local to the catalog record containing the image of transaction definition *transid* and the following problems may occur only on a warm or emergency restart.

INSTALL	If it is a reinstall, the old version of the transaction definition is recovered. If it is an install, the transaction definition is not recovered.
SET	The change requested by the SET is not recovered. Instead the transaction definition is recovered to the state prior to the SET request being issued.
DISCARD	The transaction definition is recovered on the restart even though it is currently discarded.

User Response: No immediate action is required. Consider performing a cold or initial start the next time CICS is restarted to remedy the problem. If a cold or initial start is not appropriate and the problem is only localized to transaction definition *transid*, remedy the effects outlined for each case previously.

For example,

INSTALL	Reinstall the tranclass definition after the restart.
SET	Reissue the SET command after CICS has been restarted.
DISCARD	Reissue the DISCARD command after CICS has been restarted.

If the catalog problem persists after the restart, you need further assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: Console and Transient Data Queue CSMT

Modules: DFHXMDD, DFHXMXD

XMEOUT Parameters: *date, time, applid, {1=INSTALL, 2=SET, 3=DISCARD}, transid*

DFHXM0112 *date time applid* **The install of transaction definition** *transid1* **has removed ALIAS** *alias* **of** *transid2***.**

Explanation: Transaction definition *transid1* has been installed with an ALIAS of *alias*. However, ALIAS *alias* currently invokes transaction definition *transid2*.

System Action: The install of *transid1* continues as normal.

The ALIAS *alias* now invokes transaction definition *transid1* and not *transid2* as previously.

User Response: If removal of transaction definition *transid2*'s ALIAS was expected, no action is required. However, transaction definition *transid2* should be modified on the CSD so that it no longer specifies the ALIAS.

If the ALIAS has been removed in error, reinstall transaction definition *transid2* to reinstate its ALIAS. Transaction definition *transid1* should be modified on the CSD so that it no longer specifies the ALIAS.

Destination: CSMT

Module: DFHXMXD

XMEOUT Parameters: *date, time, applid, transid1, alias, transid2*

DFHXM0113 *date time applid* **The install of transaction definition** *transid1* **has removed TASKREQ** *taskreq* **of** *transid2***.**

Explanation: Transaction definition *transid1* has been installed with a TASKREQ of *taskreq*. However, TASKREQ *taskreq* currently invokes transaction definition *transid2*.

System Action: The install of *transid1* continues as normal.

The TASKREQ *taskreq* now invokes transaction definition *transid1* and not *transid2* as previously.

User Response: If removal of transaction definition *transid2*'s TASKREQ was expected, no action is required. However, transaction definition *transid2* should be modified on the CSD so that it no longer specifies the TASKREQ.

If the TASKREQ has been removed in error, reinstall transaction definition *transid2* to reinstate its TASKREQ. Transaction definition *transid1* should be modified on the CSD so that it no longer specifies the TASKREQ.

Destination: CSMT

Module: DFHXMXD

XMEOUT Parameters: *date, time, applid, transid1, taskreq, transid2*

DFHXM0114 *date time applid* **The install of transaction definition** *transid1* **has removed XTRANID** *X'xtranid'* **of** *transid2***.**

Explanation: Transaction definition *transid1* has been installed with a XTRANID of *xtranid*. However, XTRANID *xtranid* currently invokes transaction definition *transid2*.

System Action: The install of *transid1* continues as normal.

The XTRANID *xtranid* now invokes transaction definition *transid1* and not *transid2* as previously.

User Response: If removal of transaction definition *transid2*'s XTRANID was expected, no action is required. However, transaction definition *transid2* should be modified on the CSD so that it no longer specifies the XTRANID.

If the XTRANID has been removed in error, reinstall transaction definition *transid2* to reinstate its XTRANID. Transaction definition *transid1* should be modified on the CSD so that it no longer specifies the XTRANID.

Destination: CSMT

Module: DFHXMXD

XMEOUT Parameters: *date, time, applid, transid1, X'xtranid', transid2*

DFHXM0115 *date time applid* **The install of transaction definition** *transid1* **has removed TPNAME** *tpname* **of** *transid2***.**

Explanation: Transaction definition *transid1* has been installed with a TPNAME of *tpname*. However, TPNAME *tpname* currently invokes transaction definition *transid2*.

System Action: The install of *transid1* continues as normal.

The TPNAME *tpname* now invokes transaction definition *transid1* and not *transid2* as previously.

User Response: If removal of transaction definition *transid2*'s TPNAME was expected, no action is required. However, transaction definition *transid2* should be modified on the CSD so that it no longer specifies the TPNAME.

If the TPNAME has been removed in error, reinstall transaction definition *transid2* to reinstate its TPNAME. Transaction definition *transid1* should be modified on the CSD so that it no longer specifies the TPNAME.

Destination: CSMT

Module: DFHXMXD

XMEOUT Parameters: *date, time, applid, transid1, tpname, transid2*

DFHXM0116 *date time applid* **PROGRAM parameter missing from transaction definition** *transid***. PROGRAM is required because REMOTESYSTEM is the same as the local system.**

Explanation: Transaction definition *transid* has been installed without a PROGRAM parameter. Since it has been defined with a REMOTESYSTEM equal to the local system, a program is required if the transaction is executed on this system.

System Action: The install of *transid* continues as normal. Any attempt to run the transaction *transid* will fail because there is no program to link to.

User Response: This message is issued for information only. There is no problem if transaction *transid* is not executed on this system. If it is to be executed, the definition of *transid* needs to be modified and then reinstalled.

If the transaction is not executed, you may wish to investigate why the transaction definition has been installed. It could be that the transaction is defined in an RDO group that is shared between a number of different CICS systems. For example *transid* may be TTT1 in the following pair of definitions used to implement transaction routing to this local system CICB.

```
Transaction  Remotesystem   Remotename   Program
TTT1         CICB           TTT2         -
TTT2         -              -            PROGA
```

In this example, a single definition would suffice if the transaction was made to have the same name on this system.

```
Transaction  Remotesystem   Remotename   Program
TTT1         CICB           TTT1         PROGA
```

Destination: CSMT

Module: DFHXMXD

XMEOUT Parameters: *date, time, applid, transid*

DFHXM0201 *date time applid terminal userid tranid* **TRANCLASS definition entry for** *tranclassname* **has been added.**

Explanation: This is an audit log message indicating that tranclass definition entry *tranclassname* has been added to the system using the INSTALL command.

- *terminal* is the netname or termid of the terminal associated with the transaction issuing the message. If there is no terminal associated with the transaction, the terminal name is suppressed.
- *userid* is the user identifier of the user associated with the transaction issuing the message.
- *tranid* is the transaction issuing the message.

System Action: The system continues normally.

User Response: None.

Destination: CSKL

Module: DFHXMCL

XMEOUT Parameters: *date, time, applid, terminal, userid, tranid, tranclassname*

DFHXM0203 *date time applid terminal userid tranid* **TRANCLASS definition entry for** *tranclassname* **has been deleted.**

Explanation: This is an audit log message indicating that tranclass definition entry *tranclasssname* has been deleted from the system using the DISCARD command.

- *terminal* is the netname or termid of the terminal associated with the transaction issuing the message. If there is no terminal associated with the transaction, the terminal name is suppressed.
- *userid* is the user identifier of the user associated with the transaction issuing the message.
- *tranid* is the transaction issuing the message.

System Action: The system continues normally.

User Response: None.

Destination: CSKL

Module: DFHXMCL

XMEOUT Parameters: *date, time, applid, terminal, userid, tranid, tranclassname*

DFHXM0205 *date time applid terminal userid tranid* **TRANCLASS definition entry for** *tranclassname* **has been replaced.**

Explanation: This is an audit log message indicating that tranclass definition entry *transname* has been replaced in the system using the INSTALL command.

- *terminal* is the netname or termid of the terminal associated with the transaction issuing the message. If there is no terminal associated with the transaction, the terminal name is suppressed.
- *userid* is the user identifier of the user associated with the transaction issuing the message.
- *tranid* is the transaction issuing the message.

System Action: The system continues normally.

User Response: None.

Destination: CSKL

Module: DFHXMCL

XMEOUT Parameters: *date, time, applid, terminal, userid, tranid, tranclassname*

DFHXM0211 *date time applid* **Catalog failure while processing** *{INSTALL | SET | DISCARD}* **request for tranclass definition** *tranclassname***.**

Explanation: An error has occurred while altering the catalog during the processing of an install, set, or discard request for tranclass definition *tranclassname*.

System Action: The request continues normally.

Depending upon the error that has occurred with the catalog, there may be severe problems if a warm or emergency restart of CICS is attempted. The catalog domain will have issued a message outlining the problem in this case.

Alternatively the problem may only be local to the catalog record containing the image of tranclass definition *tranclassname* and the following problems may occur only on a warm or emergency restart.

INSTALL	If it is a reinstall, the old version of the tranclass definition is recovered. If it is an install, the tranclass definition was not recovered.
SET	The change requested by the SET is not recovered. Instead the tranclass definition is recovered to the state it was in before the SET request was issued.
DISCARD	The tranclass definition is recovered on the restart even though it is currently discarded.

User Response: No immediate action is required. To fully resolve the problem, consider performing a cold or initial start the next time CICS is restarted. If a cold or initial start is not appropriate and the problem is only localized, to tranclass definition *tranclassname*, you can resolve each of the symptoms separately.

For example:

INSTALL	Reinstall the tranclass definition after CICS has been restarted.
SET	Reissue the SET command after CICS has been restarted.
DISCARD	Reissue the DISCARD command after CICS has been restarted.

If the catalog problem persists after the restart, you may need further assistance from IBM to resolve the problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: Console and Transient Data Queue CSMT

Module: DFHXMCL

XMEOUT Parameters: *date, time, applid, {1=INSTALL, 2=SET, 3=DISCARD}, tranclassname*

DFHXM0212 *applid* **Transaction** *transid* **has been attached with unknown tranclass** *tranclassname***.**

Explanation: Transaction *transid* has just been attached. It is defined as belonging to tranclass *tranclassname* but *tranclassname* does not exist.

This message is only issued the first time transaction *transid* is attached with the unknown tranclass.

System Action: The attach of transaction *transid* proceeds as normal but without being subject to any tranclass scheduling constraints.

User Response: If transaction *transid* should belong to tranclass *tranclassname*, install that tranclass. If not, modify the transaction definition for *transid* as appropriate, and reinstall.

The CEDA CHECK command can be used to ensure that each of the tranclasses referenced by transaction definitions are defined within the same startup GRPLIST.

Note: Do not attempt to reroute this message to a transient data queue.

Destination: Console

Module: DFHXMQC

XMEOUT Parameters: *applid, transid, tranclassname*

DFHXM0213 *applid* **Insufficient storage for system attach of transaction** *transid***.**

Explanation: There is insufficient storage for a new task to be created for the attach of transaction *transid*.

Since the majority of the storage required for the new task is obtained from DSA storage, CICS is probably short on storage in one of the DSAs.

System Action: The attach request is queued. It is retried later when more storage should have become available. If the retried attach fails, it is queued and retried repeatedly until it succeeds.

User Response: If CICS is short on storage, message DFHSM0133 is also issued. Refer to that message for advice on how to resolve the condition.

If message DFHSM0133 has not been issued, the problem has been caused by insufficient MVS storage. In this case consider lowering the EDSALIM of the system to increase the amount of available MVS storage.

Note: Do not attempt to reroute this message to a transient data queue.

Destination: Console

Module: DFHXMAT

XMEOUT Parameters: *applid, transid*

DFHXM0301 *date time applid* **An attempt to link to the user-replaceable transaction restart program (DFHREST) has failed for task number** *tasknum***. Transaction restart is not performed for transaction** *tranid***.**

Explanation: A restartable transaction abended and the transaction manager attempted to link to the user-replaceable transaction restart program (DFHREST) but the link has failed. Likely reasons are:

- DFHREST is not defined (and not autoinstalled)
- DFHREST is not present in any library specified in the DFHRPL concatenation.
- DFHREST has been linked with AMODE(24).

System Action: The transaction is not restarted.

User Response: If the problem is not rectified, a message is issued each time the link to DFHREST fails. To avoid this, ensure that DFHREST is properly defined and present in a library specified in the DFHRPL concatenation.

See the *CICS Customization Guide* for more information about user-replaceable programs.

Destination: Console and Transient Data Queue CSMT

Module: DFHXMTA.

XMEOUT Parameters: *date, time, applid, tasknum, tranid*

DFHXM0302 *applid* **An abend** *abcode* **occurred in the user-replaceable transaction restart program (DFHREST) under task number** *tasknum***. Transaction restart is not performed for transaction** *tranid***.**

Explanation: A restartable transaction abended and the transaction manager linked to the user-replaceable transaction restart program (DFHREST). DFHREST abended.

System Action: The transaction is not restarted.

User Response: If the problem is not rectified, a message is issued each time DFHREST abends. To avoid this, fix the problem in DFHREST and ensure that it is properly defined and present in a library specified in the DFHRPL concatenation.

See the *CICS Customization Guide* for more information about user-replaceable programs.

Destination: Console

Module: DFHXMTA.

XMEOUT Parameters: *applid, abcode, tasknum, tranid*

DFHXM0303 *applid* **A severe error (code** *X'code'***) has occurred while initializing task number** *tasknum* **with transaction identifier** *tranid***. Terminal** *termid* **has not been released. The task is suspended indefinitely.**

Explanation: An internal error has prevented the initialization of task number *tasknum* with identifier *tranid*.

The task cannot run and cannot be abended. The principal facility of the task is a terminal. No message may be sent to the terminal and it is unusable by CICS. Rather than terminate CICS, the transaction manager keeps CICS running and preserves its integrity by suspending the task.

The suspended task will hold its MXT slot until CICS is terminated.

Note that the task may hold resources (for example, locks and enqueues) so you should cancel CICS at your earliest convenience. Otherwise you may risk other tasks being prevented

from running because they also need access to the same resources. You may wish to add a dump table entry to always terminate CICS on this message.

System Action: The task is suspended indefinitely. First failure diagnostics should be produced by the component which first detects the error. The transaction manager also takes a dump. Message DFHME0116 is normally produced containing the symptom string for this problem.

The terminal principal facility of the task is unusable by CICS until CICS is canceled.

The task is suspended with a resource type of FOREVER and a resource name of DFHXMTA.

User Response: You must cancel CICS if you need to release the terminal associated with the task. You cannot quiesce CICS since this task will not terminate. You cannot purge or force-purge the task.

Note the error code X'*code*'. You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Module: DFHXMTA.

XMEOUT Parameters: *applid, X'code', tasknum, tranid, termid*

DFHXM0304 *applid* **A severe error (code** *X'code'***) has occurred while initializing task number** *tasknum* **with transaction identifier** *tranid***. Transient data queue** *tdqueue* **has not been released. The task is suspended indefinitely.**

Explanation: An internal error has prevented the initialization of task number *tasknum* with identifier *tranid*.

The task cannot run and cannot be abended. The principal facility of the task is a transient data queue. The TD queue will not trigger another task until CICS is terminated. Rather than terminate CICS, the transaction manager keeps CICS running and preserves its integrity by suspending the task.

The suspended task will hold its MXT slot until CICS is terminated.

Note that the task may hold resources (for example, locks and enqueues) so you should cancel CICS at your earliest convenience. Otherwise you risk other tasks being prevented from running because they also need access to the same resources. You may wish to add a dump table entry always to terminate CICS on this message.

System Action: The task is suspended indefinitely. First failure diagnostics should be produced by the component which first detects the error. The transaction manager also takes a dump. Message DFHME0116 is normally produced containing the symptom string for this problem.

The task is suspended with a resource type of FOREVER and a resource name of DFHXMTA.

User Response: You must cancel CICS if you need to release the TD queue associated with the task. You cannot quiesce CICS since this task will not terminate. You cannot purge or force-purge the task.

Note the error code X'*code*'. You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Note: Do not attempt to reroute this message to a transient data queue.

Destination: Console

Module: DFHXMTA.

XMEOUT Parameters: *applid, X'code', tasknum, tranid, tdqueue*

DFHXM0305 *applid* **A severe error (code** *X'code'***) has occurred while initializing task number** *tasknum* **with transaction identifier** *tranid***. The interval control element has not been released. The task is suspended indefinitely.**

Explanation: An internal error has prevented the initialization of task number *tasknum* with identifier *tranid*.

The task cannot run and cannot be abended. The principal facility of the task is an interval control element. Any start data associated with the ICE will not be retrieved. Rather than terminate CICS, the transaction manager keeps CICS running and preserves its integrity by suspending the task.

The suspended task will hold its MXT slot until CICS is terminated.

Note that the task may hold resources (for example, locks and enqueues) so you should cancel CICS at your earliest convenience. Otherwise you may risk other tasks being prevented from running because they also need access to the same resources. You may wish to add a dump table entry always to terminate CICS on this message.

System Action: The task is suspended indefinitely. First failure diagnostics should be produced by the component which first detects the error. The transaction manager also takes a dump. Message DFHME0116 is normally produced containing the symptom string for this problem.

The task is suspended with a resource type of FOREVER and a resource name of DFHXMTA.

User Response: You must cancel CICS if you need to destroy the ICE. Any start data will remain in temporary storage until it is deleted unless it is nonrecoverable in which case it will disappear on the next cold, initial or emergency restart of CICS. You cannot quiesce CICS since this task will not terminate. You cannot purge or force-purge the task.

Note the error code X'*code*'. You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Module: DFHXMTA.

XMEOUT Parameters: *applid, X'code', tasknum, tranid*

DFHXM0306 *applid* **A severe error (code** *X'code'***) has occurred while initializing task number** *tasknum* **with transaction identifier** *tranid***. The task is suspended indefinitely.**

Explanation: An internal error has prevented the initialization of task number *tasknum* with identifier *tranid*.

The task cannot run and cannot be abended. The task has no principal facility bound to it. Rather than terminate CICS, the transaction manager keeps CICS running and preserves its integrity by suspending the task.

The suspended task will hold its MXT slot until CICS is terminated.

Note that the task may hold resources (for example, locks and enqueues) so you should cancel CICS at your earliest convenience. Otherwise you may risk other tasks being prevented from running because they also need access to the same resources. You may wish to add a dump table entry to always terminate CICS on this message.

System Action: The task is suspended indefinitely. First failure diagnostics should be produced by the component which first detects the error. The transaction manager also takes a dump. Message DFHME0116 is normally produced containing the symptom string for this problem.

The task is suspended with a resource type of FOREVER and a resource name of DFHXMTA.

User Response: You must cancel CICS if you need to destroy the task. You cannot quiesce CICS since this task will not terminate. You cannot purge or force purge the task.

Note the error code X'*code*'. You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Module: DFHXMTA.

XMEOUT Parameters: *applid, X'code', tasknum, tranid*

DFHXM0307 *applid* **A severe error (code** *X'code*'**) has occurred while terminating task number** *tasknum* **with transaction identifier** *tranid***. The terminal** *termid* **has not been released. The task is suspended indefinitely.**

Explanation: An internal error has prevented the termination of task number *tasknum* with identifier *tranid*. It is not possible to abend the task or send a message to its terminal principal facility. Rather than terminate CICS, the transaction manager keeps CICS running and preserves its integrity by suspending the task.

The suspended task will hold its MXT slot until CICS is terminated.

Note that the task may hold resources (for example, locks and enqueues) so you should cancel CICS at your earliest convenience. Otherwise you may risk other tasks being prevented from running because they also need access to the same resources. You may wish to add a dump table entry to always terminate CICS on this message.

System Action: The task is suspended indefinitely. First failure diagnostics should be produced by the component which detected the error. The transaction manager also takes a dump. Message DFHME0116 is normally produced containing the symptom string for this problem.

The terminal principal facility of the task is unusable until CICS is canceled.

The task is suspended with a resource type of FOREVER and a resource name of DFHXMTA.

User Response: You must cancel CICS if you need to free up the terminal associated with the task. You cannot quiesce CICS since this task will not terminate. You cannot purge or force purge the task.

Note the error code X'*code*'. You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Module: DFHXMTA.

XMEOUT Parameters: *applid, X'code', tasknum, tranid, termid*

DFHXM0308 *applid* **A severe error (code** *X'code*'**) has occurred while terminating task number** *tasknum* **with transaction identifier** *tranid***. The transient data queue** *tdqueue* **has not been released. The task is suspended indefinitely.**

Explanation: An internal error has prevented the termination of task number *tasknum* with identifier *tranid*. It is not possible to abend the task. The principal facility of the task is a transient data queue. The TD queue will not trigger another task until CICS is terminated. Rather than terminate CICS, the transaction manager keeps CICS running and preserves its integrity by suspending the task.

The suspended task will hold its MXT slot until CICS is terminated.

Note that the task may hold resources (for example, locks and enqueues) so you should cancel CICS at your earliest convenience. Otherwise you may risk other tasks being prevented from running because they also need access to the same resources. You may wish to add a dump table entry always to terminate CICS on this message.

System Action: The task is suspended indefinitely. First failure diagnostics should be produced by the component which detected the error. The transaction manager also takes a dump. Message DFHME0116 is normally produced containing the symptom string for this problem.

The task is suspended with a resource type of FOREVER and a resource name of DFHXMTA.

User Response: You must cancel CICS if you need to free up the transient data queue associated with the task. You cannot quiesce CICS since this task will not terminate. You cannot purge or force purge the task.

Note the error code X'*code*'. You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Note: Do not attempt to reroute this message to a transient data queue.

Destination: Console

Module: DFHXMTA.

XMEOUT Parameters: *applid, X'code', tasknum, tranid, tdqueue*

DFHXM0309 *applid* **A severe error (code** *X'code*'**) has occurred while terminating task number** *tasknum* **with transaction identifier** *tranid***. The interval control element has not been released. The task is suspended indefinitely.**

Explanation: An internal error has prevented the termination of task number *tasknum* with identifier *tranid*. It is not possible to abend the task. The principal facility of the task is an interval control element. Rather than terminate CICS, the transaction manager keeps CICS running and preserves its integrity by suspending the task.

The suspended task will hold its MXT slot until CICS is terminated.

Note that the task may hold resources (for example, locks and enqueues) so you should cancel CICS at your earliest convenience. Otherwise you may risk other tasks being prevented from running because they also need access to the same resources. You may wish to add a dump table entry to always terminate CICS on this message.

System Action: The task is suspended indefinitely. First failure diagnostics should be produced by the component which detected the error. The transaction manager also takes a dump. Message

DFHME0116 is normally produced containing the symptom string for this problem.

The task is suspended with a resource type of FOREVER and a resource name of DFHXMTA.

User Response: You must cancel CICS if you need to destroy the ICE associated with the task. Any start data remains in temporary storage until it is deleted unless it is nonrecoverable, in which case it disappears on the next cold, initial or emergency restart of CICS. You cannot quiesce CICS since this task does not terminate. You cannot purge or force purge the task.

Note the error code X'*code*'. You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Module: DFHXMTA.

XMEOUT Parameters: *applid, X'code', tasknum, tranid*

DFHXM0310 *applid* **A severe error (code** *X'code'***) has occurred while terminating task number** *tasknum* **with transaction identifier** *tranid***. If the task had a principal facility, it has been released. The task is suspended indefinitely.**

Explanation: An internal error has prevented the termination of task number *tasknum* with identifier *tranid*. It is not possible to abend the task. Rather than terminate CICS, the transaction manager keeps CICS running and preserves its integrity by suspending the task.

The suspended task will hold its MXT slot until CICS is terminated.

Note that the task may hold resources (for example, locks and enqueues) so you should cancel CICS at your earliest convenience. Otherwise you risk other tasks being prevented from running because they also need access to the same resources. You may wish to add a dump table entry always to terminate CICS on this message.

System Action: If the task had a principal facility, it has been released. If this was a terminal, the terminal should be usable by CICS.

The task is suspended indefinitely. First failure diagnostics should be produced by the component which detects the error. The transaction manager also takes a dump. Message DFHME0116 is normally produced containing the symptom string for this problem.

The task is suspended with a resource type of FOREVER and a resource name of DFHXMTA.

User Response: You cannot quiesce CICS since this task will not terminate. You cannot purge or force-purge the task.

Note the error code X'*code*'.

You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Module: DFHXMTA.

XMEOUT Parameters: *applid, X'code', tasknum, tranid*

DFHXM0311 *applid* **A severe error (code** *X'code'***) has occurred while initializing task number** *tasknum* **with transaction identifier** *tranid***. Scheduler resources associated with the task have not been released. The task is suspended indefinitely.**

Explanation: An internal error has prevented the initialization of task number *tasknum* with identifier *tranid*.

The task cannot run and cannot be abended. The principal facility of the task is the scheduler. The scheduler will not initiate another task until CICS is terminated. Rather than terminate CICS, the transaction manager keeps CICS running and preserves its integrity by suspending the task.

The suspended task will hold its MXT slot until CICS is terminated.

Note that the task may hold resources (for example, locks and enqueues), so you should cancel CICS at your earliest convenience. Otherwise, you risk other tasks being prevented from running because they also need access to the same resources. You may wish to add a dump table entry to always terminate CICS on production of this message.

System Action: The task is suspended indefinitely. First failure diagnostics should be produced by the component which first detects the error. The transaction manager also takes a dump. Message DFHME0116 is normally produced containing the symptom string for this problem.

The task is suspended with a resource type of FOREVER and a resource name of DFHXMTA.

User Response: You must cancel CICS if you need to release the resources associated with the task. You cannot quiesce CICS since this task will not terminate. You cannot purge or force-purge the task.

Note the error code X'*code*'. You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Note: Do not attempt to reroute this message to a transient data queue.

Destination: Console

Module: DFHXMTA.

XMEOUT Parameters: *applid, X'code', tasknum, tranid*

DFHXM0501 *applid* **CICS cannot satisfy request for MXT. Value** *mxtvalue* **has been used instead.**

Explanation: The value entered for MXT cannot be handled by the system. *mxtvalue* is the largest value for which CICS has been able to acquire task storage.

The majority of the task storage required is now acquired from CICS DSAs.

System Action: The system continues to run with a MXT value of *mxtvalue*.

User Response: Check that the original value entered for MXT was correctly typed. If the value is mistyped, use CEMT to amend the MXT value (you are unlikely to be able to force the value higher). Remember that MXT now only includes user tasks and so it should not need to be set to a value as high as in previous releases.

If the value *mxtvalue* is acceptable, no action is necessary.

If the value *mxtvalue* is too small, check to see which programs, apart from CICS, are running in this region. To relieve the storage constraint, either increase the DSALIM or EDSALIM of the system to give CICS more storage for its own use. For further details

about storage allocation at initialization, see the *CICS Transaction Server for OS/390 Installation Guide*.

Destination: Console

Module: DFHXMSR

XMEOUT Parameters: *applid, mxtvalue*

DFHXM0502 *applid* **A catalog failure has occurred while saving the MXT setting.**

Explanation: An error has occurred while saving the requested MXT setting on the catalog.

System Action: The requested MXT change request continues as normal.

Depending upon the error that has occurred with the catalog, there may be severe problems if a warm or emergency restart of CICS is attempted. The catalog domain will have issued a message outlining the problem in this case.

Alternatively the problem may only be local to the catalog record containing the MXT value and only it may not be recovered on a warm or emergency restart.

User Response: No immediate action is required. Consider performing a cold or initial start, with the required MXT value specified in the SIT the next time CICS is restarted. If a cold start is not appropriate, add MXT as a SIT override specifying the required MXT value.

Destination: Console

Module: DFHXMSR

XMEOUT Parameter: *applid*

DFHXM0503 *applid* **CICS cannot support minimum MXT value of** *minmxt***. CICS is terminated.**

Explanation: A severe lack of storage has resulted in CICS not being able to acquire enough task storage to satisfy even the minimum MXT value of *minmxt*.

CICS cannot perform any useful work without *minmxt* number of user tasks.

System Action: CICS is terminated.

User Response: Investigate why there is insufficient storage for CICS to support such a low number of user tasks.

To relieve the storage constraint, either increase the DSALIM or EDSALIM of the system to give CICS more storage for its own use. For further details about storage allocation at initialization, see the *CICS Transaction Server for OS/390 Installation Guide*.

Destination: Console

Module: DFHXMSR

XMEOUT Parameters: *applid, minmxt*

DFHXOxxxx messages

DFHXO6700 OPTION STARTING *xxx* **HAS ILLEGAL SYNTAX.**

Explanation: The option *xxx* has illegal syntax.

System Action: The overseer program is abnormally terminated after completion of parameter analysis.

User Response: Correct the error and resubmit the overseer program.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHWOSA

DFHXO6702 JOB STEP IS NOT APF-AUTHORIZED.

Explanation: Part of CICS initialization must be done in an APF-authorized state. The kernel has detected that DFHSIP is not APF-authorized.

System Action: The overseer program is abnormally terminated.

User Response: Ensure that the job step is APF-authorized. All libraries concatenated in the STEPLIB concatenation should be APF-authorized, and DFHSIP should be link-edited with an authorization code of 1.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHWOSA

DFHXO6703 UNABLE TO SET UP AUTHORIZED FACILITY.

Explanation: Insufficient storage is available to initialize the authorized facility required by the overseer.

System Action: The overseer program is abnormally terminated.

User Response: Ensure that the REGION parameter is sufficiently large.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHWOSA

DFHXO6704 UNABLE TO OPEN DFHLIB.

Explanation: A DD statement for (ddname) DFHLIB was missing from the batch job stream.

System Action: The overseer program is abnormally terminated.

User Response: Correct the JCL.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHWOS

DFHXO6705 *xxx* **OPTION IS MISSING.**

Explanation: The option *xxx* may not be omitted.

System Action: The overseer program is abnormally terminated after completion of parameter analysis.

User Response: Correct the error and resubmit the overseer program.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHWOSA

DFHXO6706 CYTIM OPTION MUST BE IN RANGE 20 TO 32767.

Explanation: The CYTIM option must fall within the range 20 through 32767.

System Action: The overseer program is abnormally terminated after completion of parameter analysis.

User Response: Correct the error and resubmit the overseer program.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHWOSA

DFHXO6707 VALUE OF *xxx* OPTION IS LONGER THAN 5 DIGITS.

Explanation: The value of the given numeric option must occupy no more than five digits.

System Action: The overseer program is abnormally terminated after completion of parameter analysis.

User Response: Correct the error and resubmit the overseer program.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHWOSA

DFHXO6708 VALUE OF *xxx* OPTION IS NON-NUMERIC.

Explanation: The value of the option *xxx* must be numeric.

System Action: The overseer program is abnormally terminated after completion of parameter analysis.

User Response: Correct the error and resubmit the overseer program.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHWOSA

DFHXO6709 VALUE OF *xxx* OPTION IS LONGER THAN 8 CHARACTERS.

Explanation: The value of option *xxx*must occupy no more than eight characters.

System Action: The overseer program is abnormally terminated after completion of parameter analysis.

User Response: Correct the error and resubmit the overseer program.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHWOSA

DFHXO6712 *xxx* IS AN INVALID OPTION KEYWORD.

Explanation: The specified keyword *xxx* is an invalid option.

System Action: Option *xxx* is ignored.

User Response: Correct the error.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHWOSA

DFHXO6720 THE CICS XRF OVERSEER HAS RECEIVED AN INVALID RESPONSE TO A SUBSYSTEM INTERFACE REQUEST.

Explanation: Overseer services has received an inconsistent response to an MVS subsystem interface request for job status. The response indicates insufficient storage although more than the indicated necessary amount is provided.

System Action: A dump is taken and the overseer job abnormally terminates with MVS user abend code 224.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHWOSB

DFHXO6721 THE CICS XRF OVERSEER HAS BEEN UNABLE TO GET STORAGE FOR A SUBSYSTEM INTERFACE REQUEST.

Explanation: The XRF overseer application program has issued a DFHWOSM FUNC=JJC, JJS or QJJS macro. The MVS subsystem interface request issued by the overseer services program while processing this request has failed. The response indicates that the reply area is too small. The MVS GETMAIN request to obtain a larger area is not satisfied.

System Action: The subsystem options block (SSOB), indicating ‘status array too small’ (SSOBRETN=SSCSMALL), is returned to the caller in the 256 byte SSOB return area specified in the DFHWOSM macro.

User Response: Since the areas involved are small, the condition should not normally occur. If it persists, or disrupts the effectiveness of your overseer application, you may need to cancel the overseer job with a dump to investigate the reason for the shortage of storage.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHWOSB

DFHXQxxxx messages

DFHXQ0101I Shared TS queue server initialization is in progress.

Explanation: The queue server program has started execution.

System Action: Initialization continues.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHXQMN

DFHXQ0102I Shared TS queue server for pool *poolname* **is now active.**

Explanation: The queue server for the named pool has completed initialization and is now ready to accept connections.

System Action: The server waits for connection requests or operator commands.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHXQMN

DFHXQ0103 The pool name parameter is missing.

Explanation: The shared TS queue server program needs to know the name of the queue pool in order to complete initialization but no pool name was specified in the SYSIN or PARM field parameters.

System Action: The queue server is terminated.

User Response: Ensure that the parameter POOLNAME=name is specified either in the SYSIN parameters or in the PARM field of the JCL for the queue server.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHXQMN

DFHXQ0104 Shared TS queue server initialization failed because program DFHXQMN is not APF authorized.

Explanation: The queue server main program DFHXQMN cannot complete initialization because it is not running with APF authorization.

System Action: The queue server is terminated.

User Response: Ensure that the queue server program DFHXQMN is loaded from an APF authorized library and has been linkedited with the option AC(1).

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHXQMN

DFHXQ0111I Shared TS queue server for pool *poolname* **is terminating.**

Explanation: The queue server has started termination processing, so no further requests will be processed.

System Action: Termination continues.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHXQMN

DFHXQ0112I Shared TS queue server has terminated, return code *retcode***, reason code** *rsncode***.**

Explanation: The queue server has completed termination processing. If the termination was caused by an error, the return code will be non-zero and the reason code will normally be the number of a previous DFHXQnnnn message giving the reason for termination.

System Action: The queue server program returns control (via the AXM termination routines) to MVS for job step termination.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHXQMN

DFHXQ0113 Shared TS queue server completion code is *cmpcode***, reason code** *rsncode***.**

Explanation: The queue server has terminated after intercepting an abnormal termination (ABEND) request. If the completion code is a system completion code, it is shown as three hexadecimal digits, otherwise it is shown as four decimal digits for a user completion code.

System Action: The queue server program returns control (via the AXM termination routines) to MVS for job step termination.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHXQMN

DFHXQ0201I Processing *type parameters*

Explanation: The queue server parameter processing routine is interpreting the specified parameter string. The first word gives the type of parameter (SYSIN/PARM/SET/DISPLAY/PRINT) and the rest is the specified parameters optionally followed by descriptive comment text after one or more spaces. If the parameters start with an asterisk or a space, the whole line is taken as descriptive comments.

System Action: Any specified parameters will be processed.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHXQPR

DFHXQ0202 Unknown parameter keyword: *keyword*

Explanation: This parameter keyword did not match any of the defined parameter keywords for the queue server.

System Action: Processing of the current line of parameters is terminated. For an initialization parameter specified in SYSIN or the PARM field, a return code is set which will cause the server to terminate when initialization parameter processing is complete.

User Response: Correct the parameter keyword (or remove the incorrect parameter) and reenter the command or restart the server.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHXQPR

DFHXQ0203 Value *value* **for parameter POOLNAME is incorrect. It must be a 1 to 8 character name.**

Explanation: The value specified for the queue server POOLNAME= parameter was either empty or exceeded the maximum length of 8 characters.

System Action: Processing of the current line of parameters is terminated. For an initialization parameter specified in SYSIN or the PARM field, a return code is set which will cause the server to terminate when initialization parameter processing is complete.

User Response: Correct the parameter keyword (or remove the incorrect parameter) and reenter the command or restart the server.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHXQPR

DFHXQ0204 Value *value* **for parameter** *keyword* **is incorrect. It must be a decimal number.**

Explanation: The value of this queue server parameter should have been specified as a decimal number but was not in a valid format. (Numeric parameters can optionally be followed by the letter K, M or G to denote the appropriate powers of 1024).

System Action: Processing of the current line of parameters is terminated. For an initialization parameter specified in SYSIN or the PARM field, a return code is set which will cause the server to terminate when initialization parameter processing is complete.

User Response: Correct the parameter value (or remove the incorrect parameter) and reenter the command or restart the server.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHXQPR

DFHXQ0205 Value *value* **for parameter** *keyword* **is greater than the maximum allowed value** *maximum***.**

Explanation: The value of this queue server parameter exceeded the maximum allowed value *maximum*.

System Action: Processing of the current line of parameters is terminated. For an initialization parameter specified in SYSIN or the PARM field, a return code is set which will cause the server to terminate when initialization parameter processing is complete.

User Response: Correct the parameter value (or remove the incorrect parameter) and reenter the command or restart the server.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHXQPR

DFHXQ0206 Value *value* **for parameter** *keyword* **is less than the minimum allowed value** *minimum***.**

Explanation: The value of this queue server parameter was less than the minimum allowed value *minimum*.

System Action: Processing of the current line of parameters is terminated. For an initialization parameter specified in SYSIN or the PARM field, a return code is set which will cause the server to terminate when initialization parameter processing is complete.

User Response: Correct the parameter value (or remove the incorrect parameter) and reenter the command or restart the server.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHXQPR

DFHXQ0207 Value *value* **for parameter** *keyword* **is incorrect. It should be a time hh&:.mm&:.ss or hh&:.mm or a number of seconds.**

Explanation: The value of this queue server parameter did not conform to the correct syntax for a time interval.

System Action: Processing of the current line of parameters is terminated. For an initialization parameter specified in SYSIN or the PARM field, a return code is set which will cause the server to terminate when initialization parameter processing is complete.

User Response: Correct the parameter value (or remove the incorrect parameter) and reenter the command or restart the server.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHXQPR

DFHXQ0208 Parameter keyword *keyword* **is not supported for** *command***.**

Explanation: A queue server parameter keyword was specified in a context where it is not valid, usually indicating an attempt to SET dynamically a parameter which can only be specified at initialization time.

System Action: Processing of the current line of parameters is terminated. For an initialization parameter specified in SYSIN or the PARM field, a return code is set which will cause the server to terminate when initialization parameter processing is complete.

User Response: Correct the parameter value (or remove the incorrect parameter) and reenter the command or restart the server.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHXQPR

DFHXQ0209 Parameter text contains invalid character: *text*

Explanation: The queue server parameter processing routine found some unexpected text when attempting to process parameters.

System Action: Processing of the current line of parameters is terminated. For an initialization parameter specified in SYSIN or the PARM field, a return code is set which will cause the server to terminate when initialization parameter processing is complete.

User Response: Correct the parameters (or remove the incorrect parameter) and reenter the command or restart the server.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHXQPR

DFHXQ0210 Parameter keyword *keyword* **should not have a value for** *command***.**

Explanation: A queue server parameter keyword was specified in the form keyword=value in a context where it was not expected, for example on a DISPLAY command.

System Action: Processing of the current line of parameters is terminated. For an initialization parameter specified in SYSIN or the PARM field, a return code is set which will cause the server to terminate when initialization parameter processing is complete.

User Response: Reenter the command without specifying a value for the parameter to be displayed.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHXQPR

DFHXQ0211I Parameter value: *keyword***=***value*

Explanation: This message is issued to show the current value of a queue server parameter setting in response to a DISPLAY or PRINT command.

System Action: Processing continues normally.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHXQPR

DFHXQ0212 Value *value* **for parameter** *keyword* **is incorrect. It must be one of** *validlist***.**

Explanation: The value of this queue server parameter was not recognized. It should have been specified as one of the indicated list of values.

System Action: Processing of the current line of parameters is terminated. For an initialization parameter specified in SYSIN or the PARM field, a return code is set which will cause the server to terminate when initialization parameter processing is complete.

User Response: Correct the parameter value (or remove the incorrect parameter) and reenter the command or restart the server.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHXQPR

DFHXQ0213 Value for parameter *keyword* **is missing. The correct form is keyword=value.**

Explanation: A parameter keyword was specified without an associated parameter value on a queue server SET command or in a SYSIN or PARM parameter string. Note that the only character which should appear between the parameter keyword and its intended value is the equals sign, without any extra spaces.

System Action: Processing of the current line of parameters is terminated. For an initialization parameter specified in SYSIN or the PARM field, a return code is set which will cause the server to terminate when initialization parameter processing is complete.

User Response: Reenter the parameter specification in the correct form keyword=value.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHXQPR

DFHXQ0301I Console operator *consname* **issued command:** *command*

Explanation: A queue server operator command has been issued via the MVS MODIFY or STOP command. This message identifies the console name (or TSO userid) from which the command was issued and the text of the command.

System Action: Processing continues.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHXQOP

DFHXQ0302I *command* **command ignored because no valid parameters were given.**

Explanation: A queue server command was issued which had no valid parameters on it but was otherwise syntactically valid. The command has had no effect.

System Action: Processing continues normally.

User Response: Ensure that the command was entered correctly.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHXQOP

DFHXQ0303I *command* **command has been processed.**

Explanation: A queue server command has been processed successfully.

System Action: Processing continues.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHXQOP

DFHXQ0304I STOP command is waiting for connections to be closed. Number of active connections = *connections***.**

Explanation: A queue server STOP command has been issued (either via an MVS STOP command or via an MVS MODIFY command with the text STOP) but there are still active connections to the server, so the STOP command has not yet taken effect.

System Action: The server rejects any further attempts to establish new connections, but continues processing requests for existing connections. Each time a connection is terminated, this message is repeated for as long as there are more active connections.

User Response: Further information about the connections which are still active can be obtained using the command DISPLAY CONNECTIONS.

If the server needs to be shut down without waiting for connections to be closed, issue the queue server CANCEL command. Note that this immediately terminates any active connections, causing any further requests for that server to be given a SYSIDERR indication. (The MVS CANCEL command can also be used, but should preferably be avoided because it prevents the server from producing its normal closedown statistics and reports).

Note that if a CICS region is abnormally terminated while server connect or disconnect processing is in progress, or is terminated without going through end of task processing (for example using the FORCE command) there is a slight chance that the server will not be notified that the connection has been terminated. In this case the server is not able to be closed down with the server STOP command, but only with the server CANCEL command.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHXQOP

DFHXQ0305I STOP command has been processed.

Explanation: Processing of a queue server STOP command has now been successfully completed. This means that there are no longer any active connections and the server is ready to close down.

System Action: The queue server starts termination processing.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHXQOP

DFHXQ0306 Shared TS queue server does not support this command: *command*

Explanation: An operator command was addressed to the queue server using the MVS MODIFY command, but the first word of the MODIFY text is not a recognized queue server command (SET, DISPLAY, PRINT, STOP or CANCEL).

System Action: The command is ignored.

User Response: Correct and reenter the command.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHXQOP

DFHXQ0307I CANCEL command has been processed. Number of active connections = *connections***.**

Explanation: A queue server CANCEL command has been issued, either from an operator console or internally by the queue server in response to a severe error. This message includes the number of active connections which may be affected by this command.

System Action: The queue server terminates immediately, without waiting to close connections.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHXQOP

DFHXQ0351I Connection: Job *jobname* **Appl** *applid* **Idle** *idletime*

Explanation: This describes a single connection in response to the command DISPLAY CONNECTIONS or PRINT CONNECTIONS. The information shows the job name, the specific APPLID and the time in hours, minutes and seconds since the most recent queue request or inquire call was issued using the connection.

System Action: This message is issued for each active connection then message DFHXQ0352I is issued to show the total number of active connections.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHXQCN

DFHXQ0352I Queue pool *poolname* **total active connections:** *connections***.**

Explanation: This describes the total number of active connections to the queue pool server, in response to the server command DISPLAY CONNECTIONS or PRINT CONNECTIONS.

System Action: Processing continues.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHXQCN

DFHXQ0401I Connected to CF structure *strname***.**

Explanation: The queue server has successfully established a connection to the coupling facility list structure for the queue pool, using the IXLCONN macro.

System Action: Processing continues.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHXQCF

DFHXQ0402I CF structure *strname* **was allocated by this connection.**

Explanation: The list structure did not previously exist and was allocated as part of the connection process.

System Action: List structure initialization will be performed if necessary.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHXQCF

DFHXQ0403 Connection to CF structure *strname* **failed, IXLCONN return code** *retcode***, reason code** *rsncode***.**

Explanation: The IXLCONN macro to connect the queue server to its coupling facility list structure failed.

System Action: The queue server is terminated.

User Response: See the IXLCONN macro in *MVS/ESA Programming: Sysplex Services Reference* (GC28-1496) for the explanation of the return and reason code. If the reason code is of the form xxxx0C08, indicating structure allocation failure, this message is followed by message DFHXQ0409 giving the facility reason code for each CF in which allocation was attempted.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHXQCF

DFHXQ0404 CF structure *strname* **cannot be used because it has been allocated with attribute** *attribute***.**

Explanation: The queue server has successfully connected to its list structure but has found that the structure has been allocated using an IXLCONN structure attribute keyword which is not supported by the queue server.

System Action: The queue server is terminated.

User Response: This probably indicates that the structure has been allocated or modified by some program other than the queue server. In this case, the incorrect structure should be deleted (for example using the SETXCF FORCE command) so that it will be reallocated correctly when the queue server is restarted.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHXQCF

DFHXQ0405 CF structure *strname* **element size** *elemsize* **is incorrect. It should be a power of 2 in the range 256 to 4096.**

Explanation: The queue server list structure element size (specified via the ELEMSIZE initialization parameter) is not a power of two, or is outside the range supported by the list structure hardware.

System Action: The queue server is terminated (without attempting to connect to the list structure).

User Response: Correct the ELEMSIZE parameter and restart the queue server.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHXQCF

DFHXQ0406 Initialization failed for CF structure *strname* **with response** *response***.**

Explanation: Queue server processing to initialize the list structure failed with an abnormal internal response code.

System Action: The server is terminated.

User Response: If the response code is 8 (I/O error), it indicates that an IXLLIST macro gave an abnormal return code, in which case a previous DFHXQ0441 message will have been issued giving the IXLLIST return code and reason code. If this response code is any other value, this indicates that the list structure is in a state which should not occur, probably indicating that it was allocated or modified by a program other than the queue server. In this case the structure may need to be deleted (using SETXCF FORCE) so that it will be reallocated when the server is restarted.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHXQCF

DFHXQ0407 CF structure *strname* is not available for shared use.

Explanation: The queue pool is currently locked for exclusive use by some other job such as a queue pool unload or reload job. (This serialization uses an MVS ENQ with scope SYSTEMS for major name SYSZDFH minor name DFHXQLS_poolname).

System Action: The server is terminated.

User Response: Check whether a queue pool maintenance job is currently running. If it is, wait until it has finished before trying to start the server again.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHXQCF

DFHXQ0408 CF structure *strname* is not available for exclusive use.

Explanation: The current job (an unload or reload) requires exclusive use of the queue pool, but some other job is running which already has shared or exclusive use of the pool. (This serialization uses an MVS ENQ with scope SYSTEMS for major name SYSZDFH minor name DFHXQLS_poolname).

System Action: The server is terminated.

User Response: Check whether a queue pool server or maintenance job is currently running. If it is, wait until it has finished before trying to run the current job again.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHXQCF

DFHXQ0409 CF structure *strname* could not be allocated in facility *cfname*, reason code *rsncode*.

Explanation: If a previous message DFHXQ0403 indicated an IXLCONN failure because the structure could not be allocated, this message is issued for each CF in which allocation was attempted to show the facility reason code indicating why structure allocation failed. If the reason code is known to the server, the name of the reason code is given (without the ConaRsn prefix), otherwise its decimal value is shown.

If the response indicates InvalidStructureSize, this means that the initial list structure size (specified on the server POOLSIZE parameter or in the CFRM policy INITSIZE parameter) is not large enough to contain the required structure control information. The size of the control information is affected by the number of list headers (determined by the server MAXQUEUES parameter) and by the maximum structure size specified in the CFRM policy.

System Action: The queue server is terminated.

User Response: See the descriptions of the reason codes in the MVS macro IXLYCONA which maps the connect answer area.

If the response was InvalidStructureSize, increase the initial structure size specification in the server POOLSIZE parameter or the CFRM policy INITSIZE parameter to ensure that there is enough space for data in addition to the structure control information. Also, check that the server MAXQUEUES parameter and the maximum structure size specified in the CFRM policy are not unnecessarily large. See the *System Definition Guide* for more information on how to estimate temporary storage queue pool sizes.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHXQCF

DFHXQ0410 CF structure *strname* cannot be used, coupling facility maintenance level is too low.

Explanation: Initialization test routines executed against the allocated list structure gave incorrect results, indicating that the coupling facility control code does not include all maintenance necessary to support shared temporary storage.

System Action: The queue server is terminated.

User Response: Ensure that the required level of coupling facility maintenance is applied.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHXQCF

DFHXQ0411I CF structure *strname* now has *percentage*% of entries in use.

Explanation: This message is issued by the queue server when the percentage of list entries in use within the list structure increases past certain set threshold levels, or when it decreases past a threshold level after previously being at a higher level. This message is also issued immediately after an ALTER request has completed in order to show how the percentage has been affected by changes in the structure size or entry to element ratio.

System Action: The warning threshold is increased to the next higher level (normally 5% higher if less than 95%, otherwise 1% higher), or decreased to the previous lower level depending on whether the usage is increasing or decreasing. If the structure usage is increasing and the structure element to entry ratio is not making full use of the available space, the server may issue an automatic IXLALTER request to adjust the ratio.

User Response: Note that the structure may soon become full, preventing queues from being created. If the structure was allocated at less than its maximum size and the coupling facility has enough free space, the size of the structure can be altered dynamically using the MVS SETXCF command with the START,ALTER options.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHXQCF

DFHXQ0412I CF structure *strname* now has *percentage*% of elements in use.

Explanation: This message is issued by the queue server when the percentage of list data elements in use within the list structure increases past certain set threshold levels, or when it decreases past a threshold level after previously being at a higher level. This message is also issued immediately after an ALTER request has completed in order to show how the percentage has been affected by changes in the structure size or entry to element ratio.

System Action: The warning threshold is increased to the next higher level (normally 5% higher if less than 95%, otherwise 1% higher), or decreased to the previous lower level depending on whether the usage is increasing or decreasing. If the structure usage is increasing and the structure element to entry ratio is not

making full use of the available space, the server may issue an automatic IXLALTER request to adjust the ratio.

User Response: Note that the structure may soon become full, preventing queues from being created. If the structure was allocated at less than its maximum size and the coupling facility has enough free space, the size of the structure can be altered dynamically using the MVS SETXCF command with the START,ALTER options.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHXQCF

DFHXQ0413I Starting ALTER to adjust CF structure *strname* **entry/element ratio to** *entries*/*elements***.**

Explanation: The queue server has determined that the ratio of free entries to free elements is significantly different from the ratio of entries to elements actually in use. It is issuing an IXLALTER macro to request the coupling facility to adjust the ratio to make better use of the coupling facility storage.

System Action: The server continues by issuing the IXLALTER macro. A further message will be issued when the ALTER request is accepted or rejected by MVS.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHXQCF

DFHXQ0414I ALTER started for CF structure *strname***.**

Explanation: The queue server has successfully started an ALTER request to change the entry to element ratio for the list structure.

System Action: The queue server event exit will be notified by MVS when the ALTER request completes and a further message will then be issued.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHXQCF

DFHXQ0415I ALTER rejected for CF structure *strname***, ALTER already active.**

Explanation: The queue server attempted to start an ALTER to change the entry to element ratio for the list structure, but this was rejected by the system because another ALTER was already active.

System Action: The queue server event exit will be notified by MVS when the ALTER request completes and a further message will then be issued.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHXQCF

DFHXQ0416 ALTER request failed for CF structure *strname***, IXLALTER return code** *retcode***, reason code** *rsncode***.**

Explanation: The queue server attempted to start an ALTER to change the entry to element ratio for the list structure, but this was rejected by the system with an unexpected return code.

System Action: The current ALTER attempt is abandoned. Another attempt may be made when the minimum alter interval has expired.

User Response: See the IXLALTER macro in *MVS/ESA Programming: Sysplex Services Reference* (GC28-1496) for the explanation of the return and reason code.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHXQCF

DFHXQ0417I ALTER completed normally for CF structure *strname***.**

Explanation: The queue server has been notified by the system that an ALTER request has completed normally.

System Action: New values for the structure size and numbers of elements and entries are stored. This message is followed by messages DFHXQ0411 and DFHXQ0412 to indicate the new usage percentages.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHXQCF

DFHXQ0418I ALTER ended abnormally for CF structure *strname* **with status** *status***.**

Explanation: The queue server has been notified by the system that an ALTER request has ended abnormally. The two bytes of status information in this message are taken from EEPLALTERENDSTATEFLAGS in the event exit parameter list (defined in the IXLYEEPL macro).

System Action: No action is taken as a result of this notification, but the problem which caused the ALTER to fail will probably result in other related problems.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHXQCF

DFHXQ0419I ALTER ended normally for CF structure *strname* **but target was not attained.**

Explanation: The queue server has been notified by the system that an ALTER request has ended normally but that the target ratio or target size was not attained.

System Action: New values for the structure size and numbers of elements and entries are stored. This message is followed by messages DFHXQ0411 and DFHXQ0412 to indicate the new usage percentages.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHXQCF

DFHXQ0424 Connectivity has been lost to CF structure *strname*. The shared TS queue server cannot continue.

Explanation: The queue server has been notified by the system that connectivity has been lost to its list structure.

System Action: The server issues an internal CANCEL command to terminate itself immediately.

User Response: Restart the server when connectivity to the server from the current system has been reestablished. If connectivity is still available from other systems, CICS transactions which require access to the affected queue pool should be diverted to those systems if possible.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHXQCF

DFHXQ0425 CF structure *strname* has failed. The shared TS queue server cannot continue.

Explanation: The queue server has been notified by the system that its list structure has been lost due to coupling facility failure. All data in the queue pool has been lost.

System Action: Each queue server for the affected pool issues an internal CANCEL command to terminate itself immediately.

User Response: If another coupling facility is available and is included in the CFRM preference list for the failed structure, delete the failed structure and restart the servers to cause a fresh copy of the list structure to be allocated on the alternate coupling facility. If no other coupling facility is available, wait until the original coupling facility has been made available again before restarting the servers.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHXQCF

DFHXQ0431I Access statistics for CF structure *strname*:

Explanation: This message gives a summary of coupling facility access statistics. It is issued in response to a DISPLAY or PRINT command which includes the CFSTATS parameter, and may also be produced on the SYSPRINT file during interval statistics if the statistics options include print file output.

The detailed message layout is as follows:

```
Index:    Wrt Adjs    Writes     Reads   Deletes   Rereads Read Adjs
                n         n         n         n         n         n
Data:      Creates    Writes     Reads   Deletes   Rereads  Rewrites
                n         n         n         n         n         n
Responses:  Asynch    Normal   Len err   Not fnd  Vers chk  List chk
                n         n         n         n         n         n
          List full  Str full   I/O err
                n         n         n
```

System Action: Processing continues.

User Response: The statistics are described in detail in the DFHXQS1D data area. For queues which do not exceed 32K bytes, the data is included in the queue index, otherwise it is stored as a separate list. The individual fields have the following meanings:

- Index access counts:
  - Wrt Adjs — Number of index writes to update adjunct area only. (This area contains the read cursor for small queues and the queue status including last used data).
  - Writes — Number of queue writes (new or update) including data.
  - Reads — Number of queue index reads.
  - Delete — Number of queue deletes.
  - Rereads — Number of reads which had to be repeated because the data was larger than the default data transfer size.
  - Read Adjs — Number of index reads for the status area only. This is used for inquire processing, and also to read the queue details if necessary during delete processing.
- Data access counts:
  - Creates — Number of times a separate data list was created.
  - Writes — Number of writes to add items to separate data lists.
  - Reads — Number of reads from separate data lists.
  - Delete — Number of times a separate data list was deleted.
  - Rereads — Number of reads which had to be repeated because the data was larger than the default data transfer size.
  - Rewrites — Number of writes to replace items in separate data lists.
- Response counts:
  - Asynch — Number of requests for which completion was asynchronous.
  - Normal — Number of normal responses.
  - Len err — The input buffer was too small to contain the data. The server often tries a buffer size of only 4K in order to use a synchronous read if possible. If this response occurs, the server sets up the maximum sized buffer and reissues the read.
  - Not fnd — The specified entry (queue or item) was not found.
  - Vers chk — A version check failed for an entry being updated or created, indicating that another task had updated it first.
  - List chk — A list authority comparison failed, usually meaning that the queue is in the process of being deleted.
  - List full — A queue reached the maximum number of items, causing the relevant list to be marked as full.
  - Str full — The list structure became full.
  - I/O err — Some other error code was returned by IXLLIST.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHXQCF

DFHXQ0432I Queue pool statistics for CF structure *strname*:

Explanation: This message gives a summary of the usage statistics for the queue pool list structure. It is issued in response to a DISPLAY or PRINT command which includes the POOLSTATS parameter, and may also be produced on the SYSPRINT file during interval statistics if the statistics options include print file output.

The detailed message layout is as follows:

```
Structure:    Size  Max size Elem size   Queues:   Current   Highest
               nK        nK         n                   n         n
Lists:       Total    In use  Max used   Control      Data
                 n         n         n         n         n
              100%        n%        n%        n%        n%
Entries:     Total    In use  Max used      Free  Min free
                 n         n         n         n         n
              100%        n%        n%        n%        n%
Elements:    Total    In use  Max used      Free  Min free
                 n         n         n         n         n
              100%        n%        n%        n%        n%
```

System Action: Processing continues.

User Response: The statistics are described in detail in the DFHXQS1D data area. Pool usage statistics are calculated from information returned by coupling facility requests, and are not always very accurate, especially if the relevant information has not been accessed recently by the current server. The individual fields have the following meanings:

- Structure:
  - Size — Current allocated size of the list structure.
  - Max size — Maximum size to which this structure could be altered.
  - Elem size — Data element size used for the structure.
- Queues:
  - Current — Number of queues currently in existence.
  - Highest — Highest number of queues at any time (since last reset).
- Lists:
  - Total — Maximum number of list headers in the structure.
  - In Use — Number currently in use.
  - Max Used — Maximum number in use (since last reset).
  - Control — Number of lists in use for control information.
  - Data — Number of lists in use for queue data.
- Entries:
  - Total — Total entries in the currently allocated structure. (Obtained at connection time, may be updated by ALTER).
  - In Use — Number of entries currently in use.
  - Max Used — Maximum number in use (since last reset).
  - Free — Number of entries currently free (total minus used).
  - Min Free — Minimum number of free entries (since last reset).
- Elements:
  - Total — Total data elements in the currently allocated structure. (Obtained at connection time, may be updated by ALTER).
  - In Use — Number of elements currently in use.
  - Max Used — Maximum number in use (since last reset).
  - Free — Number of elements currently free (total minus used).
  - Min Free — Minimum number of free elements (since last reset).

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHXQCF

DFHXQ0441 CF structure *strname* request failed, IXLLIST return code *retcode*, reason code *rsncode*.

Explanation: A coupling facility access request issued via the IXLLIST macro gave an abnormal return code.

System Action: The failing request is given an I/O error indication, giving an IOERROR condition if it originated from a CICS API request.

User Response: See the IXLLIST macro in *MVS/ESA Programming: Sysplex Services Reference* (GC28-1496) for the explanation of the return and reason code.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHXQCF

DFHXQ0442 CF structure *strname* request failed, structure is full.

Explanation: A coupling facility access request issued via the IXLLIST macro failed because there are insufficient free entries or elements to store the new data in the structure.

System Action: The failing request is given a NOSPACE indication if it originated from a CICS API request. For reload processing, if an automatic ALTER is in progress, the request may be suspended until the outcome of the ALTER is known, then retried. This message will not be issued again for further failures until the used numbers of elements and entries fall well below the warning threshold.

User Response: Any queues which are no longer in use should be deleted so that the space can be reused. If the structure is not at its maximum size, it may be possible to start an ALTER request to increase the size using the MVS SETXCF command.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHXQCF

DFHXQ0443 CF structure *strname* request failed, all lists are in use.

Explanation: A coupling facility access request issued via the IXLLIST macro failed because all list headers defined in the structure are now in use. The number of list headers is determined by the MAXQUEUES server initialization parameter when the structure was allocated.

System Action: The failing request is given a NOSPACE indication if it originated from a CICS API request. This message will not be issued again for further failures while the shortage of list entries remains.

User Response: Any queues of total size greater than 32K bytes which are no longer in use should be deleted to free up data lists. As the number of lists is fixed when the structure is allocated, the only way to increase the number of lists is to unload the structure,

use SETXCF FORCE to delete it then reload it with a larger MAXQUEUES parameter.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHXQCF

DFHXQ0444I CF request has been suspended to await ALTER completion.

Explanation: A coupling facility access request issued from the server address space (during reload processing) ran out of space in the list structure, but an automatic ALTER attempt to free up more space is either already active or is being started at this point. The request is therefore being suspended to await the outcome of the ALTER attempt.

System Action: The request is suspended until either the ALTER request completes (normally or abnormally), then the request is retried.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHXQCF

DFHXQ0445I CF request is being retried after ALTER completion.

Explanation: A request which was suspended to await the completion of an ALTER request is now being retried because the ALTER has either completed or failed.

System Action: The suspended request will be restarted.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHXQCF

DFHXQ0451 Purge for CF structure *strname* **failed, IXLPURGE return code** *retcode***, reason code** *rsncode***.**

Explanation: A queue access request was terminated abnormally and the queue server issued an IXLPURGE macro to ensure any active IXLLIST request was purged before releasing the I/O buffer, but the IXLPURGE macro gave a non-zero return code.

System Action: The error is ignored because this only occurs when a request is already being terminated abnormally.

User Response: See the IXLPURGE macro in *MVS/ESA Programming: Sysplex Services Reference* (GC28-1496) for the explanation of the return and reason code.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHXQCF

DFHXQ0461I Disconnected from CF structure *strname***.**

Explanation: The server has successfully disconnected from the CF structure (using the IXLDISC macro).

System Action: Processing continues.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHXQCF

DFHXQ0462 Disconnect from CF structure *strname* **failed, IXLDISC return code** *retcode***, reason code** *rsncode***.**

Explanation: The IXLDISC macro to disconnect the queue server from its coupling facility list structure failed.

System Action: The error is ignored, as disconnection only occurs when the server is already terminating.

User Response: See the IXLDISC macro in *MVS/ESA Programming: Sysplex Services Reference* (GC28-1496) for the explanation of the return and reason code.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHXQCF

DFHXQ0501 Insufficient storage, only *actual* **of** *requested* **data buffers allocated.**

Explanation: The queue server was unable to allocate the specified number of data buffers (of 32K bytes) during initialization because the relevant storage pool (AXMPGANY) was exhausted.

System Action: The server is terminated.

User Response: Decrease the BUFFERS initialization parameter to a value less than the number which were successfully allocated (to leave plenty of storage for request processing) and restart the server. Alternatively, increase the region size for the queue server to allow more buffers to be allocated.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHXQBF

DFHXQ0511I Queue index buffer pool statistics:

Explanation: This message gives a summary of the usage statistics for the queue index buffer pool, which is used to read and write queue index entries and their associated data, and to save recently accessed index entries in storage to reduce coupling facility I/O. It is issued in response to a DISPLAY or PRINT command which includes the BUFSTATS parameter, and may also be produced on the SYSPRINT file during interval statistics if the statistics options include print file output.

The detailed message layout is as follows:

```
Buffers:     Total  Max used    Active    On LRU     Empty
                 n         n         n         n         n
Requests:     Gets      Puts     Keeps     Frees    Purges
                 n         n         n         n         n
Results:   Got hit  Got free   Got new   Got LRU   No buff
(Get)            n         n         n         n         n
Errors:  Not freed  No purge Not owned    Waits: Pool lock  Buf lock
                 n         n         n                   n         n
```

System Action: Processing continues.

User Response: The statistics are described in detail in the DFHXQS2D data area. The individual fields have the following meanings:

- Buffers:

  Total — Number of buffers in the pool.

  Max used — Highest number ever used (not affected by reset).

  Active — Buffers currently in use.

  On LRU — Buffers with valid contents on LRU chain to allow reuse.

  Empty — Buffers previously used but now empty.

- Requests:

  Gets — Requests to get a buffer.

  Puts — Requests to put back a buffer with valid contents.

  Keeps — Requests to put back a buffer with modified contents. (This function is not currently used by the queue server).

  Frees — Requests to put back a buffer as empty.

  Purges — Requests to discard contents of a previously valid buffer.

- Results (Get):

  Got hit — Request found a valid match on the LRU chain.

  Got free — Request obtained an empty buffer.

  Got new — Request obtained a buffer not previously used.

  Got LRU — Request discarded and reused the oldest valid buffer.

  No buff — Request failed to obtain a buffer.

- Errors:

  Not freed — Request tried to free a buffer which it did not own. (This can occur during error recovery).

  No purge — A purge request did not find any matching buffer.

  Not owned — A purge request hit a buffer owned by another task.

- Waits:

  Pool lock — Number of waits for the buffer pool header lock.

  Buf lock — Number of waits because another request owned the buffer.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHXQBF

DFHXQ0601I Starting statistics collection for interval since *lasttime*.

Explanation: The queue server is about to collect interval, end of day or closedown statistics. This message identifies the start of the time interval to which the statistics apply, which is either the time that the server was started up or the time of the last reset, which occurs whenever interval or end of day statistics are produced.

System Action: The queue server proceeds with statistics collection.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHXQST

DFHXQ0602I Statistics collection completed, reset performed.

Explanation: Queue server statistics have been collected and counters have been reset. This occurs for interval or end of day statistics.

System Action: Processing continues.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHXQST

DFHXQ0603I Statistics collection completed.

Explanation: Queue server statistics have been collected but counters have not been reset. This normally occurs at server closedown.

System Action: Processing continues.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHXQST

DFHXQ0604 Timer SET failed, return code *retcode*, reason code *rsncode*.

Explanation: An attempt by the queue server statistics subtask to set up a timer wait interval failed.

System Action: The interval statistics function is terminated with message DFHXQ0606.

User Response: Check the return code and reason code. A return code of 4 indicates an attempt to set up more than one concurrent timer interval, which indicates a logic error in the server. A return code of 8 indicates that the MVS STIMERM macro failed, in which case the reason code indicates the return code received from STIMERM SET.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHXQST

DFHXQ0605 Timer CANCEL failed, return code *retcode*, reason code *rsncode*.

Explanation: An attempt by the queue server statistics subtask to cancel a timer wait interval failed.

System Action: The interval statistics function is terminated with message DFHXQ0606.

User Response: Check the return code and reason code. A return code of 4 indicates an attempt to cancel a nonexistent timer interval, which indicates a logic error in the server. A return code of 8 indicates that the MVS STIMERM macro failed, in which case the reason code indicates the return code received from STIMERM CANCEL.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHXQST

DFHXQ0606 Statistics collection function is no longer available.

Explanation: The queue server statistics collection subtask was unable to continue processing and has terminated. The reason will have been indicated by an earlier message.

System Action: The interval statistics subtask terminates and no further interval statistics or end of day statistics will be produced for this run of the server.

User Response: See the earlier message indicating the reason for the termination of the subtask.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHXQST

DFHXQ0610I Statistics written to SMF, return code was *retcode***.**

Explanation: Queue server statistics have been sent to SMF. The return code from the SMFEWTM macro is indicated in this message. A non-zero return code usually indicates that SMF recording was suppressed because of current SMF options or an installation exit.

System Action: Processing continues.

User Response: If the return code is non-zero but SMF statistics were expected to be successfully written, see the SMFEWTM macro in *MVS/ESA System Management Facilities (SMF)* (GC28-1457) for more information about return codes.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHXQST

DFHXQ0701I Shared TS queue pool *poolname* **is to be unloaded.**

Explanation: The server program has been started with the UNLOAD option requesting that the queue pool is unloaded to a sequential data set.

System Action: The server starts to process the unload request. In this case, the rest of cross-memory server initialization is bypassed as it will not be needed.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHXQUL

DFHXQ0702I Shared TS queue pool *poolname* **has been successfully unloaded.**

Explanation: The queue pool has been unloaded successfully.

System Action: The server closes down normally.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHXQUL

DFHXQ0703I Number of unloaded queues: *queues***. Blocks written:** *blocks***.**

Explanation: This message provides additional information about the results of the unload process, giving the number of queues which were unloaded and the number of 4K data blocks written to the unloaded queue pool data set.

System Action: Server termination continues.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHXQUL

DFHXQ0704 DFHXQUL data set for unload could not be opened.

Explanation: The data set to contain the unloaded queue pool could not be opened.

System Action: Unload processing is terminated and the server is closed down with message DFHXQ0706.

User Response: Check that the DFHXQUL DD statement is present in the JCL for the unload job.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHXQUL

DFHXQ0705 Unload access to CF structure *strname* **failed with response** *response***.**

Explanation: The unload process failed because of a problem with coupling facility access.

System Action: Unload processing is terminated and the server is closed down with message DFHXQ0706.

User Response: If the response code is 8, this indicates that an unexpected IXLLIST error occurred, for which a previous error message will have been issued. Any other response code indicates an internal logic error.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHXQUL

DFHXQ0706 Unload for shared TS queue pool *poolname* **was unsuccessful.**

Explanation: The queue pool unload process failed. The reason will have been described in a previous message.

System Action: The server is terminated.

User Response: See the previous message giving the reason for the unload failure. Note that any unload data set produced in this case will be incomplete and will not be valid for reload purposes.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHXQUL

DFHXQ0801I Shared TS queue pool *poolname* is to be reloaded.

Explanation: The server program has been started with the RELOAD option requesting that the queue pool is to be reloaded from a sequential data set produced using the UNLOAD option.

System Action: The server starts to process the reload request. In this case, the rest of cross-memory server initialization is bypassed as it will not be needed.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHXQRL

DFHXQ0802I Shared TS queue pool *poolname* has been successfully reloaded.

Explanation: The queue pool has been reloaded successfully.

System Action: The server closes down normally.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHXQRL

DFHXQ0803I Queues reloaded: *queues*. Queues bypassed: *duplicates*. Blocks read: *blocks*.

Explanation: This message provides additional information about the results of the reload process. Queues on the unloaded data set are bypassed during reload processing if they already exist in the pool (for example as a result of a previous reload which could not be completed due to lack of space).

System Action: Server termination processing continues.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHXQRL

DFHXQ0804 DFHXQRL data set for reload could not be opened.

Explanation: The data set containing the queue pool to be reloaded could not be opened.

System Action: Reload processing is terminated and the server is closed down with message DFHXQ0808.

User Response: Check that the DFHXQRL DD statement is present in the JCL for the reload job.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHXQRL

DFHXQ0805 Reload access to CF structure *strname* failed with response *response*.

Explanation: The reload process failed because of a problem with coupling facility access.

System Action: Reload processing is terminated and the server is closed down with message DFHXQ0808.

User Response: If the response code is 8, this indicates that an unexpected IXLLIST error occurred, for which a previous message DFHXQ0441 will have been issued. Any other response code indicates an internal logic error.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHXQRL

DFHXQ0806 Unexpected end of file encountered on reload data set.

Explanation: End of file was encountered on the unloaded data set before the logical end of the unloaded data was encountered.

System Action: Reload processing is terminated and the server is closed down with message DFHXQ0808.

User Response: This indicates that the unloaded data set is incomplete, perhaps because the unload process was abnormally terminated.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHXQRL

DFHXQ0807 Reload data set contains incorrect data near block *block*, offset *offset*.

Explanation: The reload process failed because the unloaded queue pool data set is not in the correct format.

System Action: Reload processing is terminated and the server is closed down with message DFHXQ0808.

User Response: Check that the correct data set is being used and that the unload process completed normally.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHXQRL

DFHXQ0808 Reload for shared TS queue pool *poolname* was unsuccessful.

Explanation: The queue pool reload process could not be completed. The reason will have been described in a previous message.

System Action: The program is terminated.

User Response: See the previous message giving the reason for the reload failure.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHXQRL

DFHXQ0809 Reload for CF structure *strname* **failed, structure is full.**

Explanation: Reload processing failed because there are insufficient free entries or elements to store the new data in the structure.

System Action: Reload processing is terminated and the server is closed down with message DFHXQ0808.

User Response: If the structure is not at its maximum size, use the MVS SETXCF FORCE to delete the structure, then change the reload parameters to specify a larger POOLSIZE parameter and rerun the reload job. The approximate amount of information which could not be reloaded can be estimated by comparing the numbers of blocks read and queues reloaded, as described by following message DFHXQ0803, with the corresponding numbers from message DFHXQ0703 in the unload job.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHXQRL

DFHXQ0810 Reload for CF structure *strname* **failed, all lists are in use.**

Explanation: Reload processing failed because all list headers defined in the structure are now in use.

System Action: Reload processing is terminated and the server is closed down with message DFHXQ0808.

User Response: Use the MVS SETXCF FORCE to delete the structure, then change the reload MAXQUEUES parameter to a large value and rerun the reload job.

Note: This message cannot be changed with the message editing utility.

Destination: Console and SYSPRINT

Module: DFHXQRL

DFHXQ0911I R12=*prv* **RQ Entry** *function* **Len=***len* **Item=***itemnum* **Q=***qname* **Task=***tasknum region*

Explanation: Request tracing is active and a request is being traced on entry to the request module DFHXQRQ.

System Action: Processing continues.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHXQRQ

DFHXQ0912I R12=*prv* **RQ Exit** *response* **Len=***len* **Item=***itemnum* **Q=***qname* **Task=***tasknum region*

Explanation: Request tracing is active and a request is being traced on exit from the request module DFHXQRQ.

System Action: Processing continues.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHXQRQ

DFHXQ0913I R12=*prv* **RQ Qname hex** *qname*

Explanation: Request tracing is active and the queue name to be traced contained unprintable symbols. This message shows the same queue name in hexadecimal format.

System Action: Processing continues.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHXQRQ

DFHXQ0921I R12=*prv* **IQ Entry INQUIRE** *browsetype* **Q=***qname* **Task=***tasknum region*

Explanation: Request tracing is active and a request is being traced on entry to the inquire module DFHXQIQ.

System Action: Processing continues.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHXQIQ

DFHXQ0922I R12=*prv* **IQ Exit** *response* **Q=***qname* **Task=***tasknum region*

Explanation: Request tracing is active and a request is being traced on exit from the inquire module DFHXQIQ.

System Action: Processing continues.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHXQIQ

DFHXQ0923I R12=*prv* **IQ Qname hex** *qname*

Explanation: Request tracing is active and the queue name to be traced contained unprintable symbols. This message shows the same queue name in hexadecimal format.

System Action: Processing continues.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHXQIQ

DFHXQ0941I R12=*prv* **CF Entry** *request optflgs modflgs* **BD=***bufdesc* **Item=***itemnum* **Q=***qname*

Explanation: CF access tracing is active and a request is being traced on entry to the CF request module DFHXQCF.

System Action: Processing continues.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHXQCF

DFHXQ0942I R12=*prv* **CF IXLLIST Cmd=***cmdcode* **Flg=***shlflgs* **List=***listnum* **Rsn=***reason*

Explanation: CF access tracing is active and the result from an IXLLIST macro is being traced.

System Action: Processing continues.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHXQCF

DFHXQ0943I R12=*prv* **CF Exit** *response* **Items=***items* **Item=***itemnum* **Q=***qname*

Explanation: CF access tracing is active and a request is being traced on exit from the CF request module DFHXQCF.

System Action: Processing continues.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHXQCF

DFHXQ0944I R12=*prv* **CF Qname hex** *qname*

Explanation: CF access tracing is active and the queue name to be traced contained unprintable symbols. This message shows the same queue name in hexadecimal format.

System Action: Processing continues.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: DFHXQCF

DFHXQ0999I Trace *text*

Explanation: This message is used for non-specific debugging traces in multiple modules, for use by service personnel. It should not appear in normal execution unless debugging traces were deliberately activated.

System Action: Processing continues.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: SYSPRINT

Module: various

DFHXSxxxx messages

DFHXS0001 *applid* **An abend (code** *aaa/bbbb***) has occurred at offset** *X'offset'* **in module** *modname***.**

Explanation: An abnormal end (abend) or program check has occurred in module *modname*. This implies that there may be an error in the CICS code. Alternatively, unexpected data has been input, or storage has been overwritten.

The code *aaa/bbbb* is a 3-digit hexadecimal MVS code (if applicable), followed by a 4-digit alphanumeric CICS code. The MVS code is a system completion code (for example, 0C1 or D37). If an MVS code is not applicable, this field is filled with three hyphens. The CICS code is an abend code or a number referring to a CICS message (for example, AKEA is a CICS abend code; 1310 refers to message DFHTS1310).

System Action: An exception entry is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS continues unless you have specified in the dump table that CICS should terminate. If appropriate, an error return code is sent to the caller of this domain. In this case CICS could be terminated by the caller (for example, the domain manager, DFHDMDM). A message is issued to this effect.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Notify the system programmer. If CICS is still running, it is necessary to decide whether to terminate CICS.

Look up the MVS code, if there is one, in the relevant MVS codes manual which is detailed in the book list in the front of this manual.

Next, look up the CICS alphanumeric code in this manual. This tells you, for example, whether the error was a program check, an abend, or a runaway, and may give you some guidance concerning user response.

If module *modname* is not crucial to the running of your CICS system, you may decide to continue to run and bring CICS down at a convenient time to resolve the problem.

If you cannot run without the full use of module *modname* you should bring CICS down in a controlled shutdown.

You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Modules: DFHXSAD, DFHXSCL, DFHXSDM, DFHXSFL, DFHXSIS, DFHXSLU, DFHXSPW, DFHXSRC, DFHXSST, DFHXSXM

XMEOUT Parameters: *applid, aaa/bbbb, X'offset', modname*

DFHXS0002 *applid* **A severe error (code** *X'code***) has occurred in module** *modname***.**

Explanation: An error has been detected in module *modname*. The code X'*code*' is the exception trace point id which uniquely identifies what the error is and where the error was detected.

System Action: An exception entry (code X'*code*' in the message) is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS continues unless you have specified in the dump table that CICS should terminate. If appropriate, an error return code is sent to the caller of this domain. In this case, CICS could be terminated

by the caller (for example, the domain manager, DFHDMDM). A message is issued to this effect.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: This indicates a possible error in CICS code. The severity of its impact depends on the importance of the function being executed at the time of the error.

CICS may not have been terminated. If the message occurs once and module *modname* is not crucial to the running of your CICS system, you may decide to continue to run and bring CICS down at a convenient time to resolve the problem.

If the message recurs or if you cannot run without the full use of module *modname*, you should bring CICS down in a controlled shutdown.

You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Modules: DFHXSAD, DFHXSCL, DFHXSDM, DFHXSFL, DFHXSIS, DFHXSLU, DFHXSPW, DFHXSRC, DFHXSST, DFHXSXM

XMEOUT Parameters: *applid, X'code', modname*

DFHXS0004 *applid* **A possible loop has been detected at offset** *X'offset'* **in module** *modname***.**

Explanation: A CICS function is taking more time to process than CICS expects. A possible loop has been detected in module *modname* at offset X'*offset*'. This is the offset of the instruction which was executing at the time the error was detected.

System Action: An exception entry is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS continues unless you have specified in the dump table that CICS should terminate. If appropriate, an error return code is sent to the caller of this domain. In this case CICS could be terminated by the caller (for example, the domain manager, DFHDMDM). A message is issued to this effect.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Notify the system programmer. If CICS has not been terminated, it is necessary to decide whether the problem is serious enough to bring CICS down.

Since some CICS functions can use a lot of processor time, this message may have been caused by a long-running function. So there may not be an error here. Usually, CICS purges a CICS function which exceeds the runaway task time interval which you have specified in the SIT (this is the ICVR which is measured in milliseconds). This means that module *modname* in the message is terminated and CICS continues.

But if you have declared ICVR=0 in the SIT and you consider that module *modname* has gone into a loop, you have to terminate CICS in order to terminate the runaway function.

If CICS has terminated module *modname*, and you consider that it was not a runaway, you should increase the ICVR time interval in the SIT. You have to bring CICS down at a suitable time to do this permanently. But you can change the ICVR time interval temporarily online, using the CEMT transaction.

If raising the ICVR time does not solve the problem, you will need further assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Modules: DFHXSAD, DFHXSCL, DFHXSDM, DFHXSFL, DFHXSIS, DFHXSLU, DFHXSPW, DFHXSRC, DFHXSST, DFHXSXM

XMEOUT Parameters: *applid, X'offset', modname*

DFHXS0006 *applid* **Insufficient storage to satisfy Getmain (code** *X'code'***) in module** *modname***. MVS code** *mvscode***.**

Explanation: An MVS GETMAIN was issued by module *modname*, but there was insufficient storage available to satisfy the request.

The code X'*code*' is the exception trace point ID which uniquely identifies the place where the error was detected.

The code *mvscode* is the MVS GETMAIN return code.

System Action: An exception entry is made in the trace table (code X'*code*'). A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS continues unless you have specified in the dump table that CICS should terminate.

If appropriate, an error return code is sent to the caller of this domain. In this case, CICS could be terminated by the caller (for example, the domain manager, DFHDMDM). A message is issued to this effect.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: If CICS has been terminated by another module, look out for the relevant termination messages (from, for example, the domain manager), and look up the user response suggested for these messages.

If CICS is still running, the problem may be a temporary one which rights itself if more storage becomes available. If you can manage without module *modname*, you may decide to continue and bring CICS down at a convenient time to resolve the problem. If the message recurs or if you cannot run without the full use of all CICS modules, you should bring CICS down in a controlled shutdown.

You can get diagnostic information about the MVS return code by consulting the relevant MVS codes manual which is listed in the book list at the front of this book.

Try decreasing the size limits of the DSAs or EDSAs. Or, try increasing the size of the whole region, if it is not already at maximum size. See the *CICS System Definition Guide* or the *CICS Performance Guide* for further information on CICS storage.

Destination: Console

Modules: DFHXSAD, DFHXSCL, DFHXSDM, DFHXSFL, DFHXSIS, DFHXSLU, DFHXSPW, DFHXSRC, DFHXSST, DFHXSXM

XMEOUT Parameters: *applid, X'code', modname, mvscode*

DFHXS0200I *date time applid* **External security initialization has been successfully tracked.**

Explanation: An external security initialization performed on an active CICS system (via CEMT PERFORM SECURITY, or EXEC CICS SECURITY REBUILD) has been tracked to the XRF alternate system, and has completed successfully.

System Action: None.

User Response: None. You can suppress this message with the system initialization parameter, MSGLVL=0.

Destination: Console

Module: DFHXSWM

XMEOUT Parameters: *date, time, applid*

DFHXS0201I *date time applid* **External security initialization has been tracked, and has failed with return code** *X'xx'* **and reason code** *X'yy'***.**

Explanation: An external security initialization was performed on an active CICS system by use of a CEMT PERFORM SECURITY, or EXEC CICS SECURITY REBUILD.

The external security initialization has been tracked to the XRF alternate system, but has failed with return code *xx* and reason code *yy*.

xx and *yy* are the values placed in registers 15 and 0 by the external security manager.

System Action: CICS provides a system dump of the XRF alternate system, and continues tracking security initializations.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: The security characteristics of the alternate system no longer match those of the active system. Either shut down the alternate system, perform a security rebuild at takeover, or accept the difference.

Use the return codes in the message, to determine why the security initialization failed.

If the codes are invalid, you will need further assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Module: DFHXSWM

XMEOUT Parameters: *date, time, applid, X'xx', X'yy'*

DFHXS0202 *date time applid* **An attempt to track external security initialization has failed, tracking data could not be sent.**

Explanation: An external security initialization was performed on an active CICS system (via CEMT PERFORM SECURITY, or EXEC CICS SECURITY REBUILD).

It has not been tracked to an alternate system because the tracking data could not be sent.

System Action: CICS provides a system dump of the active, and continues tracking security initializations.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: The security characteristics of the alternate will no longer match those of the active. Either shut down the alternate, perform a security rebuild at takeover, or accept the difference.

Destination: CSCS

Module: DFHXSWM

XMEOUT Parameters: *date, time, applid*

DFHXS0203 *date time applid* **An attempt to track external security initialization has failed, tracking data could not be received.**

Explanation: An external security initialization was performed on an active CICS system (via CEMT PERFORM SECURITY, or EXEC CICS SECURITY REBUILD).

The external security initialization has not been tracked to an alternate system because the tracking data could not be received.

Message DFHME0116 is normally produced containing the symptom string for this problem.

System Action: CICS provides a system dump of the alternate system, and ceases to track the security initializations.

User Response: The security characteristics of the alternate system no longer match those of the active system. Either shut down the alternate system, perform a security rebuild at takeover, or accept the difference.

Destination: CSCS

Module: DFHXSWM

XMEOUT Parameters: *date, time, applid*

DFHXS0204 *date time applid* **An attempt to track external security initialization has failed, tracking data was corrupted.**

Explanation: An external security initialization was performed on an active CICS system (via CEMT PERFORM SECURITY, or EXEC CICS SECURITY REBUILD).

It has been tracked to an alternate system but the tracking data was corrupted in transit.

System Action: CICS provides a system dump of the alternate systems, and ceases to track the security initializations.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: The security characteristics of the alternate system no longer match those of the active system. Either shut down the alternate system, perform a security rebuild at takeover, or accept the difference.

Destination: CSCS

Module: DFHXSWM

XMEOUT Parameters: *date, time, applid*

DFHXS1100I *applid* **Security initialization has started.**

Explanation: This is an informational message indicating that security domain initialization has started.

System Action: System initialization continues.

User Response: None.

This message can be suppressed with the system initialization parameter MSGLVL=0.

Destination: Console

Module: DFHXSDM

XMEOUT Parameter: *applid*

DFHXS1101I *applid* **Security initialization has ended.**

Explanation: This is an informational message indicating that security domain initialization has completed successfully.

System Action: System initialization continues.

User Response: None.

This message can be suppressed with the system initialization parameter MSGLVL=0.

Destination: Console

Module: DFHXSDM

XMEOUT Parameter: *applid*

DFHXS1102I *applid* **Security is inactive.**

Explanation: This is an informational message indicating that security is not active.

System Action: System initialization continues.

User Response: None.

This message can be suppressed with the system initialization parameter MSGLVL=0.

Destination: Console

Module: DFHXSDM

XMEOUT Parameter: *applid*

DFHXS1103I *applid* **Default security for userid** *dfltuser* **has been established.**

Explanation: CICS has established a security environment for the default userid *dfltuser*.

System Action: The authorities that are assigned to this userid by the external security manager will be used in CICS resource checks whenever no other userid has been established.

User Response: None.

Destination: Console Routecodes 2, 9 and 11

Module: DFHXSDM

XMEOUT Parameters: *applid, dfltuser*

DFHXS1104 *applid* **Default security could not be established for userid** *dfltuser***. The security domain cannot continue, so CICS is terminated. SAF codes are (***X'safresp'***,***X'safreas'***). ESM codes are (***X'esmresp'***,***X'esmreas'***).**

Explanation: CICS could not establish a security environment for the default userid *dfltuser*. The security domain cannot continue without a default user. The response and reason codes (*safresp* and *safreas*) returned by the system authorization facility (SAF), and the response and reason codes (*esmresp* and *esmreas*) returned by the external security manager (ESM) are those issued by the RACROUTE REQUEST=VERIFY macro.

System Action: CICS terminates.

User Response: Use the external security manager codes to determine why the RACROUTE REQUEST=VERIFY operation failed. Then, either correct the errors for the failing default user and restart CICS, or restart CICS with a different default userid.

Destination: Console Routecodes 2, 9, 10 and 11

Module: DFHXSDM

XMEOUT Parameters: *applid, dfltuser, X'safresp', X'safreas', X'esmresp', X'esmreas'*

DFHXS1105 *applid* **Resource profiles for class** *classname* **have been built.**

Explanation: The security resource profiles for the class *classname* have been successfully loaded into storage by the external security manager.

System Action: The profiles are used in subsequent resource checks to determine users' authorizations to access resources in the named class.

User Response: None.

Destination: Console Routecodes 2, 9, 10 and 11

Module: DFHXSRC

XMEOUT Parameters: *applid, classname*

DFHXS1106 *applid* **Resource profiles could not be built for class** *classname***. CICS is terminated. SAF codes are (***X'safresp'***,***X'safreas'***). ESM codes are (***X'esmresp'***,***X'esmreas'***).**

Explanation: The security resource profiles for the class *classname* could not be loaded into storage by the external security manager. The response and reason codes (*safresp* and *safreas*) returned by the system authorization facility (SAF), and the response and reason codes (*esmresp* and *esmreas*) returned by the external security manager (ESM) are those issued by the RACROUTE REQUEST=LIST macro.

The build of the profiles was requested by one of the following:

- The initialization of the security domain
- The CEMT command PERFORM SECURITY REBUILD
- A user-supplied transaction invoking the EXEC CICS PERFORM SECURITY REBUILD command.

System Action: CICS is unable to provide reliable resource security, so it terminates.

User Response: Use the external security manager codes to determine why the RACROUTE REQUEST=LIST operation failed. Rectify the problem in the external security manager, then restart CICS.

Destination: Console Routecodes 2, 9, 10 and 11

Module: DFHXSRC

XMEOUT Parameters: *applid, classname, X'safresp', X'safreas', X'esmresp', X'esmreas'*

DFHXS1107 *applid* **Partner-LU profiles for class APPCLU have been built.**

Explanation: The partner-LU profiles for the class APPCLU have been successfully loaded into storage by the external security manager.

System Action: The profiles are used in subsequent bind authorization checks for LU6.2 sessions whose CONNECTION definition specifies BINDSECURITY(YES).

User Response: None.

Destination: Console Routecodes 2, 9, 10 and 11

Module: DFHXSRC

XMEOUT Parameter: *applid*

DFHXS1108 *applid* **Partner-LU profiles could not be built for class APPCLU. SAF codes are (***X'safresp'***,***X'safreas***'). ESM codes are (***X'esmresp'***,***X'esmreas***').**

Explanation: The partner-LU profiles for the class APPCLU could not be loaded into storage by the external security manager. CICS therefore has no APPCLU security profiles. The response and reason codes (*safresp* and *safreas*) returned by the system authorization facility (SAF), and the response and reason codes (*esmresp* and *esmreas*) returned by the external security manager (ESM) are those issued by the RACROUTE REQUEST=LIST macro.

The build of the profiles was requested by one of the following:

- The initialization of VTAM support in terminal control
- The CEMT command SET VTAM OPEN
- The CEMT command PERFORM SECURITY REBUILD
- A user-supplied transaction invoking the EXEC CICS SET VTAM OPEN command.
- A user-supplied transaction invoking the EXEC CICS PERFORM SECURITY REBUILD command.

System Action: If the failure occurs during CICS initialization or PERFORM SECURITY REBUILD, CICS terminates. If the failure occurs during SET VTAM OPEN, the VTAM ACB is closed and CICS continues.

User Response: Use the external security manager codes to determine why the RACROUTE REQUEST=LIST operation failed. Rectify the problem in the external security manager, then restart CICS.

Destination: Console Routecodes 2, 9, 10 and 11

Modules: DFHXSIS, DFHXSRC

XMEOUT Parameters: *applid, X'safresp', X'safreas', X'esmresp', X'esmreas'*

DFHXS1109 *applid* **APPC PROFILE** *profile* **COULD NOT BE AUDITED. SAF CODES ARE (***X'safresp'***,***X'safreas***'). ESM CODES ARE (***X'esmresp'***,***X'esmreas***').**

Explanation: An audit request for a partner-LU verification check has failed for profile *profile*.

During the start-up of an APPC session, each partner can validate the other. During this validation process, the system:

- Retrieves the relevant APPCLU profile from the external security manager
- Checks that the session key is still usable
- Requests the external security manager to write audit records concerning this profile and the validation to the system management facility (SMF).

The following events are audited:

- Whether the session partner was correctly validated
- Whether the session partner failed validation
- Whether the session key will expire in less than six days
- Whether the retrieved profile is “locked”
- Whether the session key is null, or all zero
- Whether the session key has expired.

The response and reason codes (*safresp* and *safreas*) returned by the system authorization facility (SAF), and the response and reason codes (*esmresp* and *esmreas*) returned by the external security manager (ESM) are those issued by the RACROUTE REQUEST=AUDIT macro.

System Action: The CICS system is not affected by this event, and CICS continues.

User Response: Use the external security manager codes to determine why the RACROUTE REQUEST=AUDIT operation failed. Correct the problem in the external security manager, then perform a security rebuild, if appropriate.

Note: This message cannot be changed with the message editing utility.

Destination: Console Routecode 9

Module: DFHXSSB

DFHXS1110 *applid* **Security is requested, but the external security manager is inactive.**

Explanation: Security was requested for this region, but the external security manager (ESM) was found to be inactive. The SEC system initialization parameter was specified as YES or left as its default value. CICS cannot initialize its security manager unless the ESM is active.

System Action: CICS terminates.

User Response: If you have an ESM installed on your system, ensure that it is active before attempting to start CICS. Otherwise, restart CICS without security by specifying SEC=NO as a system initialization parameter. Note that the SEC parameter cannot be entered as a console override.

Destination: Console Routecodes 1, 9, 10 and 11

Module: DFHXSIS

XMEOUT Parameter: *applid*

DFHXS1111 *date time applid tranid* **Security violation by user** *userid{ at netname | at console }portname* **for resource** *resource* **in class** *classname***. SAF codes are (***X'safresp'***,***X'safreas***'). ESM codes are (***X'esmresp'***,***X'esmreas***').**

Explanation: CICS has detected a security violation by user *userid* while performing an authority check for resource *resource* in resource class *classname*.

If the userid causing the violation is signed on at a VTAM terminal, the phrase “at netname *portname*” reports the netname at which the violation occurred. If the userid causing the violation is signed on at a console, the phrase “at console *portname*” reports the console name at which the violation occurred. If the userid causing the violation is not signed on or this is a non terminal task, the entry port does not appear in this message as it is not available.

The response and reason codes (*safresp* and *safreas*) returned by the system authorization facility (SAF), and the response and reason codes (*esmresp* and *esmreas*) returned by the external security manager (ESM) are those issued by the RACROUTE REQUEST=FASTAUTH or RACROUTE REQUEST=AUTH macros. These return codes are described in the *OS/390 MVS Programming: Authorized Assembler Services Guide* and in *External Security Interface (RACROUTE) Macro Reference for MVS and VM* (SC28-1366).

CICS can also issue this message when you use the EXEC CICS QUERY SECURITY command with the LOGMESSAGE(LOG) option.

System Action: CICS abnormally terminates the task requesting the invalid access except under one of the following conditions:

- The command is issued within the scope of an EXEC CICS HANDLE NOTAUTH command.

- The command is issued as a result of an EXEC CICS QUERY SECURITY command.

User Response: Note the security violation.

Destination: CSCS

Module: DFHXSRC

XMEOUT Parameters: *date, time, applid, tranid, userid, {1= at netname , 2= at console }, portname, resource, classname, X'safresp', X'safreas', X'esmresp', X'esmreas'*

DFHXS1112 *applid* **The CICS region userid and groupid could not be determined. SAF codes are (***X'safresp'***,***X'safreas'***). ESM codes are (***X'esmresp'***,***X'esmreas'***).**

Explanation: CICS could not determine the userid and groupid for this CICS region.

The response and reason codes (*safresp* and *safreas*) returned by the system authorization facility (SAF), and the response and reason codes (*esmresp* and *esmreas*) returned by the external security manager (ESM) are those issued by the RACROUTE REQUEST=EXTRACT macro.

System Action: An exception entry is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

User Response: Use the external security manager codes to determine why the RACROUTE REQUEST=EXTRACT operation failed. Then, either correct the errors for the failing region userid and groupid, and restart CICS, or restart CICS with a different userid and groupid.

Destination: Console Routecodes 2, 9, 10 and 11

Module: DFHXSIS

XMEOUT Parameters: *applid, X'safresp', X'safreas', X'esmresp', X'esmreas'*

DFHXS1113 *applid* **The region userid cannot access system transaction** *tranid***. CICS will terminate. SAF codes are (***X'safresp'***,***X'safreas'***). ESM codes are (***X'esmresp'***,***X'esmreas'***).**

Explanation: The region userid for this CICS system is not authorized to attach the system transaction *tranid*. It is a CICS requirement that the region userid must be able to access this transaction.

The response and reason codes (*safresp* and *safreas*) returned by the system authorization facility (SAF), and the response and reason codes (*esmresp* and *esmreas*) returned by the external security manager (ESM) are those issued by the RACROUTE REQUEST=FASTAUTH or AUTH macro.

System Action: CICS terminates.

User Response: Authorize the CICS region userid to access all the required CICS system transactions, or specify a different region userid that does have the required authority. (The required transactions are documented as the 'Category 1' transactions in the *CICS RACF Security Guide*. To authorize the region userid to use these transactions, you should execute the sample clist DFH$CAT1, as described in the *CICS Transaction Server for OS/390 Installation Guide*.) Then restart CICS.

Destination: Console Routecodes 2, 9, 10 and 11

Module: DFHXSRC

XMEOUT Parameters: *applid, tranid, X'safresp', X'safreas', X'esmresp', X'esmreas'*

DFHXS1201 *date time applid* **The password supplied in the verification request for userid** *userid* **was invalid. This occurred in transaction** *tranid* **when userid** *userid* **was signed on at netname** *netname***.**

Explanation: An invalid password was supplied for user verification.

System Action: The external security manager also issues a message on the MVS/ESA security console.

CICS continues. No dump is taken.

User Response: Supply the correct password, or contact your security administrator for assistance. If you continue to supply incorrect passwords, the userid may be revoked by the external security manager. A revoked userid can only be reinstated by a security administrator.

Destination: CSCS

Module: DFHXSPW

XMEOUT Parameters: *date, time, applid, userid, tranid, userid, netname*

DFHXS1202 *date time applid* **The password supplied in the verification request for userid** *userid* **has expired. This occurred in transaction** *tranid* **when userid** *userid* **was signed on at netname** *netname***.**

Explanation: An expired password was supplied for user verification.

System Action: CICS continues. No dump is taken.

User Response: Change the password using the CICS signon process, the EXEC CICS CHANGE PASSWORD API, or any other method available to you. Alternatively, contact your security administrator for assistance.

Destination: CSCS

Module: DFHXSPW

XMEOUT Parameters: *date, time, applid, userid, tranid, userid, netname*

DFHXS1203 *date time applid* **The userid supplied in the verification request for userid** *userid* **is revoked. This occurred in transaction** *tranid* **when userid** *userid* **was signed on at netname** *netname***.**

Explanation: A revoked userid was supplied for user verification.

System Action: CICS continues. No dump is taken.

User Response: Contact your security administrator for assistance.

Destination: CSCS

Module: DFHXSPW

XMEOUT Parameters: *date, time, applid, userid, tranid, userid, netname*

DFHXS1205 *date time applid* **The userid** *userid* **supplied in a verification request is not defined in the ESM. This occurred in transaction** *tranid* **at netname** *netname***.**

Explanation: An undefined userid was supplied for user verification.

System Action: CICS continues. No dump is taken.

User Response: Contact your security administrator for assistance.

Destination: CSCS

Module: DFHXSPW

XMEOUT Parameters: *date, time, applid, userid, tranid, netname*

DFHXS1211 *date time applid* **The password supplied in a change password request for userid** *userid* **was invalid. This occurred in transaction** *tranid* **when userid** *userid* **was signed on at netname** *netname***.**

Explanation: An invalid password was supplied for change password processing.

System Action: The external security manager also issues a message on the MVS security console.

CICS continues. No dump is taken.

User Response: Supply the correct password or contact your security administrator for assistance. If you continue to supply incorrect passwords, the userid may be revoked by the external security manager. A revoked userid can only be reinstated by a security administrator.

Destination: CSCS

Module: DFHXSPW

XMEOUT Parameters: *date, time, applid, userid, tranid, userid, netname*

DFHXS1213 *date time applid* **The userid supplied in a change password request for userid** *userid* **is revoked. This occurred in transaction** *tranid* **when userid** *userid* **was signed on at netname** *netname***.**

Explanation: A revoked userid was supplied on a password change request

System Action: CICS continues. No dump is taken.

User Response: You should have the userid reinstated before it can be used. Contact your security administrator for assistance.

Destination: CSCS

Module: DFHXSPW

XMEOUT Parameters: *date, time, applid, userid, tranid, userid, netname*

DFHXS1214 *date time applid* **The new password supplied in a change password request for userid** *userid* **was not accepted. This occurred in transaction** *tranid* **when userid** *userid* **was signed on at netname** *netname***.**

Explanation: An invalid new password was supplied on a password change request.

System Action: CICS continues. No dump is taken.

User Response: Select a suitable new password and try again. If necessary, contact your security administrator for assistance.

Destination: CSCS

Module: DFHXSPW

XMEOUT Parameters: *date, time, applid, userid, tranid, userid, netname*

DFHXS1215 *date time applid* **The userid** *userid* **supplied in a change password request is not defined in the ESM. This occurred in transaction** *tranid* **at netname** *netname***.**

Explanation: An undefined userid was supplied on a password change request

System Action: CICS continues. No dump is taken.

User Response: Contact your security administrator for assistance.

Destination: CSCS

Module: DFHXSPW

XMEOUT Parameters: *date, time, applid, userid, tranid, netname*

DFHXS1216 *date time applid* **The userid** *userid* **supplied in a change password request has a revoked connection to the default group in the ESM. This occurred in transaction** *tranid* **at netname** *netname***.**

Explanation: The userid supplied on a password change request is revoked in the ESM connection to the default group.

System Action: CICS continues. No dump is taken.

User Response: Contact your security administrator for assistance.

Destination: CSCS

Module: DFHXSPW

XMEOUT Parameters: *date, time, applid, userid, tranid, netname*

DFHZCxxxx messages

Messages that are generated because the VTAM SYNAD and LERAD exits have been entered are followed by VTAM RETURN CODE *xxyy* where *xx* is the VTAM recovery action return code and *yy* is the VTAM specific error return code, each obtained from fields of the RPL.

Messages that are generated because system or user sense data has been received, are followed by SENSE RECEIVED *xxyy zzzz* where *xx* is the VTAM system sense information byte, *yy* is the VTAM system sense modifier byte, and *zzzz* represents 2 bytes of user sense information.

Values for *xx*, *yy*, and *zzzz* are hexadecimal. The VTAM system sense information byte, *xx*, can have the following values:

xx	**meaning**
X'00'	User sense data only (see *zzzz*)
X'08'	Request reject
X'10'	Request error
X'20'	State error
X'40'	Request header (RH) usage error
X'80'	Path error

For the meaning of *yy*, see the *SNA Formats* manual.

The *sense* insert is not included in DFHZCxxxx messages when no meaningful feedback is available.

The *instance* field on some DFHZCxxxx messages is for IBM internal use only.

DFHZC0001 *applid* **An abend (code** *aaa/bbbb***) has occurred at offset** *X'offset'* **in module** *modname***.**

Explanation: An abnormal end (abend) or program check has occurred in module *modname*. This implies that there may be an error in the CICS code. Alternatively, unexpected data has been input, or storage has been overwritten.

The code *aaa/bbbb* is a 3-digit hexadecimal MVS code (if applicable), followed by a 4-digit alphanumeric CICS code. The MVS code is a system completion code (for example, 0C1 or D37). If an MVS code is not applicable, this field is filled with three hyphens. The CICS code is an abend code or a number referring to a CICS message (for example, AKEA is a CICS abend code; 1310 refers to message DFHTS1310).

System Action: An exception entry is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS continues unless you have specified in the dump table that CICS should terminate. If appropriate, an error return code is sent to the caller of this domain. In this case CICS could be terminated by the caller (for example, the domain manager, DFHDMDM). A message is issued to this effect.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Notify the system programmer. If CICS is still running, it is necessary to decide whether to terminate CICS.

Look up the MVS code, if there is one, in the *OS/390 MVS System Codes* manual.

Next, look up the CICS abend code. This tells you, for example, whether the error was a program check, an abend, or a runaway, and may give you some guidance concerning user response.

If module *modname* is not crucial to the running of your CICS system, you may decide to continue to run and bring CICS down at a convenient time to resolve the problem.

If you cannot run without the full use of module *modname* you should bring CICS down in a controlled shutdown.

For further information about *code*, see the *CICS Problem Determination Guide*.

You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Modules: DFHZGBM, DFHZGCA, DFHZGCC, DFHZGCN, DFHZGDA, DFHZGPC, DFHZGRP, DFHZGSL, DFHZGUB

XMEOUT Parameters: *applid, aaa/bbbb, X'offset', modname*

DFHZC0002 *applid* **A severe error (code** *X'code'***) has occurred in module** *modname***.**

Explanation: An error has been detected in module *modname*. The code X'*code*' is the exception trace point ID which uniquely identifies what the error is and where the error was detected.

System Action: An exception entry (code X'*code*' in the message) is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS continues unless you have specified in the dump table that CICS should terminate. If appropriate, an error return code is sent to the caller of this domain. In this case, CICS could be terminated by the caller (for example, the domain manager, DFHDMDM). A message is issued to this effect.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: This indicates a possible error in CICS code. The severity of its impact depends on the importance of the function being executed at the time of the error.

CICS may not have been terminated. If the message occurs once and module *modname* is not crucial to the running of your CICS system, you may decide to continue to run and bring CICS down at a convenient time to resolve the problem.

If the message recurs or if you cannot run without the full use of module *modname*, you should bring CICS down in a controlled shutdown.

You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Modules: DFHZGCA, DFHZGCC, DFHZGCN, DFHZGDA, DFHZGPC, DFHZGRP, DFHZGSL, DFHZGUB

XMEOUT Parameters: *applid, X'code', modname*

DFHZC0003 *applid* **Insufficient storage (code** *X'code'***) in module** *modname***.**

Explanation: A CICS GETMAIN was issued by module *modname*, but there was insufficient storage available to satisfy the request.

The code X'*code*' is the exception trace point ID which uniquely identifies the place where the error was detected.

System Action: An exception entry is made in the trace table (code X'*code*' in the message). A system dump is taken, unless you have specifically suppressed dumps in the dump table. CICS will continue unless you have specified in the dump table that CICS should terminate.

If appropriate, an error return code is sent to the caller of this domain. In this case, CICS could be terminated by the caller A message will be issued to this effect. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Inform the system programmer.

Try increasing the size of the DSA or EDSA. See the *CICS System Definition Guide* or the *CICS Performance Guide* for more information on CICS storage.

Destination: Console

Modules: DFHTCRP, DFHZGRP

XMEOUT Parameters: *applid, X'code', modname*

DFHZC0004 *applid* **A possible loop has been detected at offset** *X'offset'* **in module** *modname***.**

Explanation: A CICS function is taking more time to process than CICS expects. A possible loop has been detected in module *modname* at offset X'*offset*'. This is the offset of the instruction which was executing at the time the error was detected.

System Action: An exception entry is made in the trace table. A system dump is taken, unless you have specifically suppressed dumps in the dump table.

CICS continues unless you have specified in the dump table that CICS should terminate. If appropriate, an error return code is sent to the caller of this domain. In this case CICS could be terminated by the caller (for example, the domain manager, DFHDMDM). A message is issued to this effect.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Notify the system programmer. If CICS has not been terminated, it is necessary to decide whether the problem is serious enough to bring CICS down.

Since some CICS functions can use a lot of processor time, this message may have been caused by a long-running function. So there may not be an error here. Usually, CICS purges a CICS function which exceeds the runaway task time interval which you have specified in the SIT (this is the ICVR which is measured in milliseconds). This means that module *modname* in the message is terminated and CICS continues.

But if you have declared ICVR=0 in the SIT and you consider that module *modname* has gone into a loop, you have to terminate CICS in order to terminate the runaway function.

If CICS has terminated module *modname*, and you consider that it was not a runaway, you should increase the ICVR time interval in the SIT. You have to bring CICS down at a suitable time to do this permanently. But you can change the ICVR time interval temporarily online, using the CEMT transaction.

If raising the ICVR time does not solve the problem, you will need further assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Module:

XMEOUT Parameters: *applid, X'offset', modname*

DFHZC0101I *date time applid* **A predatory takeover has forced VTAM to allow another application to open the ACB which CICS was using.**

Explanation: A predatory takeover is occurring. This means that a job is initializing which has the same applid as the CICS system. This initiates a takeover of the network. As a normal part of this process, VTAM drives the TPEND exit.

System Action: All requests on VTAM sessions are abnormally terminated and the sessions closed. The VTAM ACB is then opened by the application which is using the same APPLID as the CICS region. The new system recovers any persisting sessions.

User Response: If this takeover of the network was unintentional, you can prevent it happening in future by using RACF to protect the APPLID. Refer to the VTAM application security section in the *VTAM Network Implementation Guide*, SC31-6434 for details of how to do this.

Destination: Console and Transient Data Queue CSNE

Module: DFHZNCA

XMEOUT Parameters: *date, time, applid*

DFHZC0110 *date time applid* **The LU6.2 NIB and the TCTTE/BIND data for session** *sessid* **did not match during a persistent sessions restart. Reason code** *X'n'***.**

Explanation: A node initialization block (NIB) has been passed to CICS by VTAM during a persistent sessions restart. An attempt was made by CICS to match the NIB to a session TCTTE. The reason code explains the cause of the mismatch.

Reason	Explanation
1	Single/parallel session indication did not match.
2	LU type did not match.
3	LU type and single/parallel session did not match.

System Action: The attempt to match a persisting session with a TCTTE has failed. The session is unbound. CICS ignores this session and continues with the next session if there is one.

User Response: The production of this message means that there is no suitable global catalog record to match the NIB which VTAM has passed in. This implies that the wrong global catalog is being used for this initialization of CICS, or that the catalog records are corrupted. Ensure that the global catalog being used is correct.

Destination: CSNE

Module: DFHZGPC

XMEOUT Parameters: *date, time, applid, sessid, X'n'*

DFHZC0111 *date time applid* **No session TCTTE is available to match sysid** *sysid* **for modename** *modename* **because VTAM has returned more NIBs than the CNOS session limit values require.**

Explanation: During persistent sessions restart VTAM has returned more node initialization blocks (NIBs) than the current CNOS session limit values require. This is probably because a CNOS from a high session limit to a lower session limit was in progress when CICS failed.

System Action: The process NIB function is terminated. The session is unbound. CICS ignores this session and continues with the next session if there is one.

This situation has no effect on the restored CICS. The last catalogued CNOS values are restored.

User Response: None.

Destination: CSNE

Module: DFHZGPC

XMEOUT Parameters: *date, time, applid, sysid, modename*

DFHZC0112 *date time applid* **No TCTME was found for sysid** *sysid* **modename** *modename* **during a persistent sessions restart.**

Explanation: An error has occurred during persistent sessions restart. VTAM passed a NIB to CICS containing the named modename, but CICS was unable to locate the corresponding TCTME.

System Action: The attempt to match the NIB to a TCTTE is terminated. The session is unbound.

A system dump is produced.

The CNOS values not related to this modegroup are restored, but the named modegroup cannot be recovered.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CSNE

Module: DFHZGPC

XMEOUT Parameters: *date, time, applid, sysid, modename*

DFHZC0120I *applid* **VTAM sessions persisted for a cold or initial start. Sessions terminated. Inquire issued** *icount***, sessions persisting** *spcount***, sessions terminated** *stcount***.**

Explanation: CICS is initializing with a cold or initial start, but some VTAM sessions have persisted from a previous CICS with a nonzero PSDI value.

CICS has attempted to terminate all persisting sessions. The message inserts are as follows:

- *icount* is the number of VTAM INQUIRE OPTCD=PERSESS commands issued.
- *spcount* is the number of VTAM sessions that persisted.
- *stcount* is the number of sessions that CICS has terminated with a CLSDST or TERMSESS macro. This should be equal to *spcount*. If it is not, persistent session recovery probably failed. Earlier messages explain why.

  If there are no earlier messages, it is possible that the count obtained from the VTAM INQUIRE counts macro, indicating the number of active sessions, was not equal to the number of sessions that VTAM held persisting. This is not a problem.

System Action: CICS continues.

User Response: None.

Destination: Console

Module: DFHZGRP

XMEOUT Parameters: *applid, icount, spcount, stcount*

DFHZC0121I *applid* **VTAM sessions persisted for a WARM start. Sessions terminated. Inquires issued** *icount***, sessions persisting** *spcount***, sessions terminated** *stcount***.**

Explanation: CICS is initializing with a WARM start, but some VTAM sessions unexpectedly persisted from a previous CICS with a nonzero PSDI value.

CICS has attempted to terminate all persisting sessions. The message inserts are as follows:

- *icount* is the number of VTAM INQUIRE OPTCD=PERSESS commands issued.
- *spcount* is the number of VTAM sessions that persisted.
- *stcount* is the number of sessions that CICS has terminated with a CLSDST or TERMSESS macro. This should be equal to *spcount*. If it is not, persistent session recovery probably failed. Earlier messages explain why.

  If there are no earlier messages, it is possible that the count obtained from the VTAM INQUIRE counts macro, indicating the number of active sessions, was not equal to the number of sessions that VTAM held persisting. This is not a problem.

System Action: CICS continues.

User Response: Examine the JOBLOG from the previous run to determine why sessions persisted despite a WARM shut down.

Destination: Console

Module: DFHZGRP

XMEOUT Parameters: *applid, icount, spcount, stcount*

DFHZC0122I *applid* **VTAM sessions persisted for an EMERGENCY, XRF=YES start. Sessions terminated. Inquires issued** *icount***, sessions persisting** *spcount***, sessions terminated** *stcount***.**

Explanation: CICS is initializing with an EMERGENCY start, but XRF = YES has been specified and some VTAM sessions persisted unexpectedly from a previous CICS with a nonzero PSDI value.

CICS has attempted to close all persisting sessions. The message inserts are as follows:

- *icount* is the number of VTAM INQUIRE OPTCD=PERSESS commands issued.
- *spcount* is the number of VTAM sessions that persisted.
- *stcount* is the number of sessions that CICS has terminated with a CLSDST or TERMSESS macro. This should be equal to *spcount*. If it is not, persistent session recovery probably failed. Earlier messages explain why.

  If there are no earlier messages, it is possible that the count obtained from the VTAM INQUIRE counts macro, indicating the number of active sessions, was not equal to the number of sessions that VTAM held persisting. This is not a problem.

System Action: CICS continues.

User Response: You should not mix XRF and persistent sessions. If you wish to use XRF, do a cold or initial start.

Destination: Console

Module: DFHZGRP

XMEOUT Parameters: *applid, icount, spcount, stcount*

DFHZC0123I *applid* **VTAM sessions persisted when OPEN VTAM ACB issued. Sessions terminated. Inquires issued** *icount***, sessions persisting** *spcount***, sessions terminated** *stcount***.**

Explanation: The VTAM ACB has been opened while CICS is running, however some VTAM sessions persisted either from a previous CICS with a nonzero PSDI value, or when the VTAM ACB was closed.

Persisting sessions have been terminated. The message inserts are as follows:

- *icount* is the number of VTAM INQUIRE OPTCD=PERSESS commands issued.
- *spcount* is the number of VTAM sessions that persisted.
- *stcount* is the number of sessions that CICS terminated with a CLSDST or TERMSESS macro. This should be equal to *spcount*. If it is not, persistent session recovery probably failed. Earlier messages explain the reason.

  If there are no earlier messages, it is possible that the count obtained from the VTAM INQUIRE counts macro, indicating the number of active sessions, was not equal to the number of sessions that VTAM held persisting. This is not a problem.

System Action: CICS continues.

User Response: None.

Destination: Console

Module: DFHZGRP

XMEOUT Parameters: *applid, icount, spcount, stcount*

DFHZC0124I *applid* **VTAM sessions persisted for an EMERGENCY start. Inquires issued** *icount*, **sessions persisting** *spcount*, **sessions terminated** *stcount*, **sessions OPNDSTed** *socount*, **sessions in error** *secount*.

Explanation: CICS was initializing with an EMERGENCY start and some VTAM sessions persisted from a previous CICS with a nonzero PSDI value.

Each of the persisting sessions has been restored or terminated. The message inserts are as follows:

- *icount* is the number of VTAM INQUIRE OPTCD=PERSESS commands issued.
- *spcount* is the number of VTAM sessions that persisted.
- *stcount* is the number of sessions that CICS terminated with a CLSDST or TERMSESS macro. If an OPNDST failure occurred for an entire NIBLIST (see message DFHZC0129), the sessions in the NIBLIST have been terminated and this count includes these sessions.
- *socount* is the number of VTAM sessions that CICS restored successfully with an OPNDST OPTCD=RESTORE macro.
- *secount* is the number of sessions that CICS failed to restore.

System Action: CICS continues.

User Response: None.

Destination: Console

Module: DFHZGRP

XMEOUT Parameters: *applid, icount, spcount, stcount, socount, secount*

DFHZC0125 *date time applid netname* **persistent session will be terminated.** *sense* **((***instance***) Module name: {DFHZGRP})**

Explanation: CICS was initializing with an EMERGENCY start and some VTAM sessions persisted from a previous CICS with a nonzero PSDI value.

However, the session with a NETNAME of *netname* is terminated for one of the following reasons as indicated by the *instance* in the message. An AP exception trace entry is made for each *instance* as follows.

Instance	Point ID and Explanation
1	X'FB21' There is not enough storage to recover an APPC session.
2	X'FB22' There is not enough storage to recover a terminal session.
3	X'FB25' The NIB and the TCTTE with the same NETNAME were not of the same LU TYPE.

System Action: An AP exception trace with a point ID as above is issued. The session is terminated and CICS continues.

User Response: The exception trace point identifies where the message was issued and determines the action to take.

Destination: CSNE

Module: DFHZGRP

XMEOUT Parameters: *date, time, applid, netname, sense, instance, {1=DFHZGRP, 2=DFHZGRP, 3=DFHZGRP}*

DFHZC0126I *applid* **No VTAM sessions persisted for an EMERGENCY restart.**

Explanation: CICS was initializing with an EMERGENCY start but no VTAM sessions persisted from a previous CICS run. Possible reasons are:

- No persistence was specified in the previous run.
- CICS crashed with the ACB open but no sessions were in use.
- The PSDI value expired.
- An error occurred before DFHZGRP could determine if any sessions persist.

System Action: CICS continues.

User Response: None.

Destination: Console

Module: DFHZGRP

XMEOUT Parameter: *applid*

DFHZC0127 *applid* **Cannot reestablish persisting sessions - VTAM ACB is closed. Code:** *X'code'*. **Module name:** *module*

Explanation: The VTAM ACB has been opened and CICS is processing VTAM persisting sessions, however the ACB was closed, or is being closed by operator action before all the sessions could be restored or terminated.

System Action: CICS continues to close the VTAM ACB and then runs without VTAM support.

User Response: Determine why the operator closed the ACB and either continue without VTAM, dynamically open the ACB, or shut CICS down normally and restart it.

X'code' is the AP exception trace entry that determines which VTAM macro diagnosed the ACB as being closed and where it was issued.

Destination: Console

Modules: DFHZGRP DFHZGUB

XMEOUT Parameters: *applid, X'code', module*

DFHZC0128 *applid* **Cannot reestablish persisting sessions - VTAM not responding. Module name:** *module*

Explanation: CICS is processing VTAM persisting sessions. However it has issued a VTAM macro and has waited for 8 minutes for the response.

System Action: If this occurs during start up, CICS terminates. If this occurs during dynamic open, the VTAM ACB is closed and CICS continues without VTAM.

A dump is taken for this message in both cases.

User Response: You can restart CICS again immediately, or wait for the persistent sessions to time out and then restart CICS.

If this problem recurs you need to find out why VTAM is not responding to the INQUIRE or OPNDST macro (if the message is issued by DFHZGRP), or the CLSDST or TERMSESS macro (if the message is issued by DFHZGUB).

You can determine which macro is not responding by examining the TCP section of the dump and looking at the RPLs in the PS POOL labeled PS_RPL. The first RPL is for use by INQUIRE or OPNDST, the next 10 by CLSDST or TERMSESS.

Destination: Console

Modules: DFHZGRP, DFHZGUB

XMEOUT Parameters: *applid, module*

DFHZC0129 *applid* **VTAM OPNDST RESTORE failed. All sessions in the NIBLIST will be terminated instead. RTNCD,FDB2:** *X'rc',X'fd'***. Code:** *X'code'*

Explanation: CICS is processing VTAM persistent sessions during an EMERGENCY restart but VTAM returned a RTNCD,FDB2 of *rc*,*fd* in response to the OPNDST OPTCD=RESTORE macro.

System Action: An AP exception trace entry, *X'code'*, is made.

A system dump is taken on the first occurrence of this problem unless dumps have been specifically suppressed in the dump table.

CICS attempts to terminate all the sessions in the NIBLIST instead of restoring them.

User Response: Use the dump taken on the first occurrence of this problem or the exception trace entry and the *VTAM programming manual* to determine the meaning of the RTNCD,FDB2 and the actions necessary to correct it.

Destination: Console

Module: DFHZGRP

XMEOUT Parameters: *applid, X'rc', X'fd', X'code'*

DFHZC0130 *applid* **VTAM INQUIRE PERSESS failed. Cannot restore any persisting sessions. RTNCD,FDB2:** *X'rc',X'fd'***. Code:** *X'code'*

Explanation: CICS is processing VTAM persistent sessions but VTAM returned a RTNCD,FDB2 of *rc,fd* in response to the INQUIRE OPTCD=PERSESS macro.

System Action: An AP exception trace entry, *X'code'*, is made.

A system dump is taken unless dumps have been specifically suppressed in the dump table.

If this occurs during initialization, CICS terminates.

If this occurs during a dynamic open of the ACB, CICS closes the ACB and continues to run without VTAM.

The sessions persist until the PSDI value times out or until VTAM operator commands are issued to terminate the sessions.

User Response: Use the dump or the exception trace entry and the *VTAM programming manual* to determine the meaning of the RTNCD,FDB2 and the actions necessary to correct it.

If the problem occurs during initialization, try to correct the error and then retry the start up, or wait until the PSDI value time expires and restart CICS.

If the problem occurs when the ACB was opened dynamically, you can repeat the command to open the VTAM ACB, or wait until the PSDI time expires and then repeat it.

Destination: Console

Module: DFHZGRP

XMEOUT Parameters: *applid, X'rc', X'fd', X'code'*

DFHZC0131 *date time applid netname termid* **VTAM OPNDST RESTORE failed.**

Explanation: CICS is processing VTAM persistent sessions and has issued an OPNDST OPTCD=RESTORE against a NIBLIST. However, the NIB identified by *netname* and a session or termid of *termid* failed to open successfully. This is probably because the session was terminated by the VTAM operator after INQUIRE OPTCD=PERSESS was issued.

System Action: CICS continues.

User Response: Reopen the session in the normal way.

Destination: CSNE

Module: DFHZGRP

XMEOUT Parameters: *date, time, applid, netname, termid*

DFHZC0132 *applid* **VTAM INQUIRE PERSESS failed. Cannot restore some persisting sessions. Network only partially restored. RTNCD,FDB2:** *X'rc',X'fd'***. Code:** *X'code'*

Explanation: CICS is processing VTAM persistent sessions but VTAM returned a RTNCD,FDB2 of *rc*,*fd* in response to a subsequent INQUIRE OPTCD=PERSESS macro.

System Action: An AP exception trace entry, *X'code'*, is made.

A system dump is taken unless you have specifically suppressed dumps in the dump table.

CICS continues with a partial network. Some of the sessions are usable, others are not until the PSDI value times out or the VTAM operator terminates the sessions that failed.

User Response: Use the dump or the exception trace entry and the *VTAM programming manual* to determine the meaning of the RTNCD,FDB2 and the actions necessary to correct it.

If enough of the network is available, wait until the PSDI value expires or use VTAM operator commands to terminate the sessions.

If the network is unusable, either close and reopen the VTAM ACB, or restart CICS.

Destination: Console

Module: DFHZGRP

XMEOUT Parameters: *applid, X'rc', X'fd', X'code'*

DFHZC0133A *applid* **Persistent session recovery failed.**

Explanation: CICS was initializing when an attempt to process VTAM persistent session failed. The reasons are given in earlier messages.

System Action: CICS terminates.

User Response: Examine earlier messages and exception trace entries to determine the reason for failure.

Destination: Console

Module: DFHSII1

XMEOUT Parameter: *applid*

DFHZC0134I *applid* **VTAM sessions persisted when OPEN ACB issued. Inquires issued** *icount***, sessions persisting** *spcount***, sessions terminated** *stcount***, sessions OPNDSTed** *socount***, sessions in error** *secount***.**

Explanation: The VTAM ACB has been opened while CICS is running, and some VTAM sessions persisted after VTAM abended.

Each of the persisting sessions has been restored or terminated. The message inserts are as follows:

- *icount* is the number of VTAM INQUIRE OPTCD=PERSESS commands issued.
- *spcount* is the number of VTAM sessions that persisted.
- *stcount* is the number of sessions that CICS terminated with a CLSDST or TERMSESS macro. If an OPNDST failure occurred for an entire NIBLIST (see message DFHZC0129), the sessions in the NIBLIST have been terminated and this count includes these sessions.
- *socount* is the number of VTAM sessions that CICS restored successfully with an OPNDST OPTCD=RESTORE macro.
- *secount* is the number of sessions that CICS failed to restore.

System Action: CICS continues.

User Response: None.

Destination: Console

Module: DFHZGRP

XMEOUT Parameters: *applid, icount, spcount, stcount, socount, secount*

DFHZC0136 *applid* **PSDI value indicated persistence but the run time VTAM does not support persistent sessions.**

Explanation: The PSDI value is nonzero. This specifies that VTAM sessions are to persist across CICS failures. However, this release of VTAM does not support persistent sessions.

System Action: CICS sets the PSDI value to 0 and continues without persistent session support.

User Response: ACF/VTAM Release 3 Version 4 Modification 1 or higher must be used in order to take advantage of CICS persistent session support.

To prevent this message being issued when using an earlier release of VTAM, set the PSDINT system initialization parameter to zero, and when using the EXEC CICS SET VTAM command, either omit, or specify a value of zero for the PSDINTERVAL operand.

Destination: Console

Module: DFHZSLS

XMEOUT Parameter: *applid*

DFHZC0137 *applid* **PSDI value indicated persistence but the TCT assemble time VTAM does not support persistent sessions.**

Explanation: The PSDI value is nonzero. This specifies that VTAM sessions are to persist across CICS failures. However, DFHTCT*xx* was assembled against a release of VTAM that cannot support persistent sessions.

System Action: CICS sets the PSDI value to 0 and continues without persistent session support.

User Response: Reassemble the TCT against ACF/VTAM Release 3 Version 4 Modification 1 or higher in order to take advantage of CICS persistent session support.

To prevent this message being issued when using an earlier release of VTAM, set the PSDINT system initialization parameter to zero, and when using the EXEC CICS SET VTAM command, either omit, or specify a value of zero for the PSDINTERVAL operand.

Destination: Console

Module: DFHZSLS

XMEOUT Parameter: *applid*

DFHZC0140 *applid* **SETLOGON PERSIST failed. RTNCD,FDB2:** *X'rc'*,*X'fd'***. Code:** *X'code'*

Explanation: CICS was opening the VTAM ACB, setting the PSDI value from an operator command or doing a WARM shut down. It attempted to issue the VTAM command SETLOGON OPTCD=PERSIST or OPTCD=NPERSIST. However, VTAM returned a RTNCD,FDB2 of *rc*,*fd*.

System Action: An AP exception trace entry, *code*, is made.

A system dump is taken unless you have specifically suppressed dumps in the dump table.

If the ACB was being opened, no VTAM sessions persist and the PSDI value is set to 0.

If just the PSDI value was being changed, either by the operator or during termination, the value is unchanged, both to CICS and to VTAM.

If this occurs during a VTAM shut down and some sessions are not closed, sessions may exist on VTAM start-up and are terminated then.

User Response: Use the dump taken or the exception trace entry *code* and the *VTAM programming manual* to determine the meaning of the RTNCD,FDB2 and the actions necessary to correct it.

Destination: Console

Module: DFHZGSL

XMEOUT Parameters: *applid, X'rc', X'fd', X'code'*

DFHZC0144 *date time applid sysid termid* **Synclevel 2 conversation started by** *netname* **before completion of exchange lognames.** *sense* **((**_instance_**) Module name: {DFHZGDA})**

Explanation: CICS has received an attach FMH5 for a synclevel 2 conversation from a partner with netname *netname* before exchange lognames processing is complete.

System Action: A Deallocate(Abend) with sense code 08640001 is issued for the conversation.

User Response: No further APPC synclevel 2 conversations can be started by the partner until exchange lognames has completed. Use CEMT to inquire on the status of the connection in order to determine whether exchange lognames has completed (see the *CICS Supplied Transactions* for more information).

Destination: CSNE

Module: DFHZGDA

XMEOUT Parameters: *date, time, applid, sysid, termid, netname, sense, instance, {1=DFHZGDA}*

DFHZC0145 *date time applid netname termid* **Synclevel 2 APPC conversation started before Exchange Lognames completed. Error occurred executing Deallocate(Abend).** *sense* **((***instance***) Module name: {DFHZGDA})**

Explanation: The APPC session *termid* with *netname* persisted during a CICS persistent sessions restart. The partner initiated a new synclevel 2 conversation before Exchange Lognames processing had completed. CICS attempted to issue a Deallocate(Abend) for the conversation. The Deallocate(Abend) could not be completed for the reason indicated by the *instance* in the message as follows.

Instance	Explanation
01	DFHZGDA called with chain Finite State Machine in unexpected state.
02	DFHZGDA called with bracket Finite State Machine in unexpected state

For the meaning of the sense data, see the explanation on page 678.

System Action: The state of the session after the persistent sessions restart cannot be determined, and the session is deactivated in order to reset the states The sessions are reactivated.

User Response: If the session is not successfully reactivated, check the CSNE log for messages indicating why the new BIND failed. The session may have been set out of service by the VTAM operator.

Destination: CSNE

Module: DFHZGDA

XMEOUT Parameters: *date, time, applid, netname, termid, sense, instance, {1=DFHZGDA, 2=DFHZGDA}*

DFHZC0146 *date time applid* **VTAM session for** *termid* **successfully recovered following a persistent sessions restart** *sense* **((***instance***) Module name: {DFHZXRC})**

Explanation: CICS has restored the VTAM persistent session for terminal *termid* following a persistent sessions restart.

The equivalent message for APPC sessions is DFHZC0156.

System Action: If recovery notification is specified for this terminal, the recovery message is sent to the terminal, or the transaction requested to run at recovery notification time is started.

User Response: If required, code an NEP to override the recovery notification option originally specified in the TYPETERM definition for this session. See the *CICS Resource Definition Guide* and the *CICS Customization Guide* for more information.

Destination: CSNE

Module: DFHZXRC

XMEOUT Parameters: *date, time, applid, termid, sense, instance, {1=DFHZXRC}*

DFHZC0147 *date time applid sysid termid* **Error occurred recovering persisting session.** *sense* **((***instance***) Module name: {DFHZGDA})**

Explanation: An error has prevented the recovery of an APPC conversation which persisted across an emergency restart.

The session with a termid of *termid* is terminated. The reason and the corresponding AP exception trace entry are indicated by the *instance* in the message;

Instance	Point ID and explanation
1	X'FB79' SEND not executed due to invalid bracket state.
2	X'FB7B' Insufficient storage for session recovery.
3	X'FB76' Recovery status byte TCTE_PRSS contains an unexpected value.
4	X'FB7A' RECEIVE not executed due to invalid bracket state.
5	X'FB78' Unexpected sense received during persistent sessions recovery.

System Action:

An AP exception trace with a point ID as above is issued. The session is terminated and CICS continues.

User Response: If recovery failed due to insufficient storage, try increasing the DSA or EDSA size limits (see the *CICS Customization Guide*). If any of the other instances occur, you will need further assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CSNE

Module: DFHZGDA

XMEOUT Parameters: *date, time, applid, sysid, termid, sense, instance, {1=DFHZGDA, 2=DFHZGDA, 3=DFHZGDA, 4=DFHZGDA, 5=DFHZGDA}*

DFHZC0148 *date time applid sysid termid* **VTAM send or receive failed during persistent sessions recovery.** *sense* **((***instance***) Module name: {DFHZGDA})**

Explanation: As part of session recovery following a persistent session restart CICS issued a VTAM SEND or RECEIVE. The VTAM request failed leaving the session in an unknown state.

For the meaning of the sense data, see the explanation on page 678.

System Action: The session is terminated.

User Response: To determine the cause of the problem, see the associated DFHZC*nnnn* message in the CSNE log. This message gives further diagnostic information on the failing VTAM request.

Destination: CSNE

Module: DFHZGDA

XMEOUT Parameters: *date, time, applid, sysid, termid, sense, instance, {1=DFHZGDA, 2=DFHZGDA}*

DFHZC0149 *date time applid termid* **Connection failure occurred during a persistent sessions restart** *sense* **((***instance***) Module name: {DFHZNSP})**

Explanation: During a persistent sessions restart, CICS has been notified of the failure of a session initiation request issued during the previous instance of CICS.

For the meaning of the sense data, see the explanation on page 678.

System Action: Processing continues.

User Response: None

Destination: CSNE

Module: DFHZNSP

XMEOUT Parameters: *date, time, applid, termid, sense, instance, {1=DFHZNSP}*

DFHZC0150 *date time applid termid* **Error processing the session state data returned after a persistent sessions restart.** *sense* **((***instance***) Module name: {DFHZXRC})**

Explanation: The VTAM session for terminal *termid* persisted during a CICS persistent sessions restart, but an error occurred while processing the session state data returned by VTAM. The reason is indicated by the *instance* in the message as follows.

Instance Explanation

01 DFHZXRC called with an invalid request.

02 TCTTEDA contains null characters instead of the expected address.

03 Reserved

04 The vector key of the data passed by VTAM is not correct.

05 The length of the vector_29 data is too short.

06 Unidentified cleanup action detected.

07 Unidentified recovery option detected.

08 Invalid cleanup action for RECOVOPTION(NONE).

09 Invalid cleanup action for RECOVOPTION(MESSAGE).

10 Invalid cleanup action for RECOVOPTION(TRANSACTION).

11 Reserved.

12 DFHZXRC has been driven to process an LU6 session.

13 Neither XRF nor persistent sessions recovery is in progress DFHZXRC has been called in error.

For the meaning of the sense data, see the explanation on page 678.

System Action: The state of the session after the persistent sessions restart cannot be determined, and the session is terminated in order to reset the states. Non-APPC sessions are restarted.

User Response: If the session is not successfully restarted, check the CSNE log for messages indicating why the new BIND failed. The session may have been set out of service by the VTAM operator.

Destination: CSNE

Module: DFHZXRC

XMEOUT Parameters: *date, time, applid, termid, sense, instance, {1=DFHZXRC, 2=DFHZXRC, 3=DFHZXRC, 4=DFHZXRC, 5=DFHZXRC, 6=DFHZXRC, 7=DFHZXRC, 8=DFHZXRC, 9=DFHZXRC, 10=DFHZXRC, 11=DFHZXRC, 12=DFHZXRC, 13=DFHZXRC}*

DFHZC0155 *date time applid sysid termid* **Error occurred during processing of session state data returned after restart of persisting session.** *sense* **((***instance***) Module name: {DFHZXPS})**

Explanation:

System Action: An AP exception trace with a point ID is issued. The state of the session after the restart cannot be determined, and the session is terminated in order to reset the states. The session is restarted. A system dump is produced for all instances except 04.

User Response: If the session is not successfully restarted, check the CSNE log for messages indicating why the new BIND failed. The session may have been set out of service by the VTAM operator.

Destination: CSNE

Module: DFHZXPS

XMEOUT Parameters: *date, time, applid, sysid, termid, sense, instance, {1=DFHZXPS, 2=DFHZXPS, 3=DFHZXPS, 4=DFHZXPS, 5=DFHZXPS, 6=DFHZXPS, 7=DFHZXPS, 8=DFHZXPS, 9=DFHZXPS, 10=DFHZXPS, 11=DFHZXPS, 12=DFHZXPS, 13=DFHZXPS, 14=DFHZXPS, 15=DFHZXPS, 16=DFHZXPS, 17=DFHZXPS, 18=DFHZXPS, 19=DFHZXPS, 20=DFHZXPS, 21=DFHZXPS, 22=DFHZXPS, 23=DFHZXPS, 24=DFHZXPS, 25=DFHZXPS, 26=DFHZXPS, 27=DFHZXPS, 28=DFHZXPS, 29=DFHZXPS, 30=DFHZXPS, 31=DFHZXPS, 32=DFHZXPS, 33=DFHZXPS, 34=DFHZXPS, 35=DFHZXPS, 36=DFHZXPS, 37=DFHZXPS, 38=DFHZXPS, 39=DFHZXPS, 40=DFHZXPS, 41=DFHZXPS, 42=DFHZXPS, 43=DFHZXPS, 44=DFHZXPS, 45=DFHZXPS, 46=DFHZXPS, 47=DFHZXPS, 48=DFHZXPS, 49=DFHZXPS, 50=DFHZXPS, 51=DFHZXPS, 52=DFHZXPS, 53=DFHZXPS, 54=DFHZXPS, 55=DFHZXPS, 56=DFHZXPS, 57=DFHZXPS, 58=DFHZXPS, 59=DFHZXPS, 60=DFHZXPS, 61=DFHZXPS, 62=DFHZXPS, 63=DFHZXPS, 64=DFHZXPS, 65=DFHZXPS}*

DFHZC0156 *date time applid sysid* **VTAM APPC session** *termid* **successfully recovered following a persistent sessions restart.** *sense* **((***instance***) Module name: {DFHZXPS})**

Explanation: CICS has restored the VTAM APPC persisting session for *sysid termid* following a persistent sessions restart.

The equivalent message for non-APPC sessions is DFHZC0146. Note that the RECOVNOTIFY option that applies to message DFHZC0146 is not applicable to APPC sessions.

System Action: Processing continues.

User Response: None.

Destination: CSNE

Module: DFHZXPS

XMEOUT Parameters: *date, time, applid, sysid, termid, sense, instance, {1=DFHZXPS, 2=DFHZXPS}*

DFHZC0157 *date time applid sysid* **VTAM APPC session** *termid* **could not be recovered following a persistent sessions restart. The session will be unbound.***sense* **((***instance***) Module name: {DFHZXPS})**

Explanation: CICS was unable to restore the APPC persisting session for *sysid termid* following a persistent sessions restart. There are three possible reasons for this:

1. The BIND processing was incomplete when CICS failed.
2. Resynchronization was in progress for the session when CICS failed.
3. The recovery data returned by VTAM for the session was capable of more than one interpretation.

The TCTTE and TIOA are output for information only.

System Action: The session is unbound and rebound.

User Response: None.

Destination: CSNE

Module: DFHZXPS

XMEOUT Parameters: *date, time, applid, sysid, termid, sense, instance, {1=DFHZXPS}*

DFHZC0160 *date time applid tranid* **CNOS changes for modename** *modename* **to node** *netname* **connection** *sysid* **are incomplete.**

Explanation: CICS has made two attempts to implement the change number of sessions (CNOS) command for the modename *modename* on the APPC connection *sysid*. The command was not successful because of other activity on the modegroup. This only happens on modegroups which are very busy. The state of one or more of the sessions has changed during the processing of the CNOS request.

The CNOS command results from a connection acquire, a connection release, or a request for a specific modename on this system or the connected system. If the connected system is not CICS, commands specific to that system may have been used.

System Action: The modegroup is left in the state reached after the second attempt to implement the changes.

User Response: Use the CEMT INQUIRE MODENAME command to determine the current state of the modegroup. The command may show the modegroup as you expect for successful CNOS completion. This is because the command only shows data for available and active sessions. CICS may have had problems with CNOS values for loser sessions, which would not be apparent by using CEMT. If the values are not as required, re-issue the original command.

Destination: CSNE

Module: DFHZGCA

XMEOUT Parameters: *date, time, applid, tranid, modename, netname, sysid*

DFHZC0161 *date time applid tranid* **CNOS command for modename** *modename* **to node** *netname* **connection** *sysid* **has failed with code** *X'code'***.**

Explanation: CICS has encountered an error while attempting to execute a change number of sessions (CNOS) command for the modename *modename* on the APPC connection *sysid*. The failure code X'*code*' is one of the following:

X'FBA2' The request to create a lock manager lock for *modename* failed.

X'FBA3' CICS could not allocate a session for the CNOS negotiation conversation.

X'FBA6' The request to obtain a lock manager lock for *modename* failed.

X'FBAA' *modename* was not found or has been defined with one of the reserved names SNASVCMG or CPSVCMG.

X'FBAB' *sysid* is known, but not as a connection.

X'FBAC' The specified connection *sysid* has no modegroups. This is probably caused by a storage overwrite.

X'FBAD' The first modegroup on the specified connection *sysid* has no sessions. This is probably caused by a storage overwrite.

X'FBAF' The receive command for the CNOS reply failed.

X'FBB1' The send command for the CNOS command or CNOS reply failed.

X'FBB2' The session for the single-session connection could not be found. This is probably caused by a storage overwrite.

X'FBB3' *sysid* is not a known connection name.

X'FBB4' The connection is defined to CICS as not supporting CNOS. This is probably caused by a storage overwrite.

System Action: CICS makes an exception trace with ID AP *xxxx*; where *xxxx* is the code in the message. CICS takes a system dump for all failure codes except X'FBA2', X'FBA3', X'FBA6', X'FBAF', and X'FBB1'. CICS continues without completing the request. The task does not abend. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: This depends on the error code as follows:

X'FBA2' Follow the guidance given for the lock manager console message that precedes this.

X'FBA3' If all the sessions are busy, make one available and retry.

X'FBA6' Follow the guidance given for the lock manager message that precedes this.

X'FBAA' Reissue the request with the correct modename.

X'FBAB' Reissue the request with the correct connection name.

X'FBAC' See the *CICS Problem Determination Guide* for further guidance on storage problems.

X'FBAD' Same as for X'FBAC'.

X'FBAF' The connected system, or the link to it, has failed. Determine the reason for this from any other messages produced.

X'FBB1' Same as for X'FBAF'.

X'FBB2' Same as for X'FBAC'.

X'FBB3' Reissue the request with the correct connection name.

X'FBB4' Same as for X'FBAC'.

Destination: CSNE

Module: DFHZGCN

XMEOUT Parameters: *date, time, applid, tranid, modename, netname, sysid, X'code'*

DFHZC0162 *date time applid tranid* **CNOS transaction for connection** *sysid* **has failed with code** *X'code'* **subcode** *X'subcode'***.**

Explanation: The change number of sessions (CNOS) transaction program DFHZLS1 could not complete successfully. The error code X'*code*' is one of the following:

X'FB92' The transaction was not started as an IC request with data or by an attach flow from a connected system. The insert *subcode* is the start code from XMIQ_START_CODE.

X'FB93' The transaction was started with data, but no data was found.

X'FB94' The transaction was started with data, but the data was not in the form of the correct parameter list.

X'FB95' The transaction was started with the correct format parameter list, but the function code was invalid.

X'FB96' The transaction was started by an attach from a connected system but there was no CNOS data.

X'FB97' The transaction was started by an attach from a connected system but the associated data was not a CNOS command.

System Action: CICS produces an exception trace, and except for in the case of an invalid start, a system dump is taken. The task terminates. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: This depends on the error code as follows:

X'FB92' The transaction was probably started by entering the transaction ID at a terminal. This is not allowed.

X'FB93' Analyze the dump to determine why IC could not find the data.

X'FB94' Analyze the dump to determine what the data was.

X'FB95' Analyze the dump to determine what the data was.

X'FB96' Analyze the dump to determine why no data was available.

X'FB97' Analyze the dump to determine why the correct data was not sent with the attach.

Destination: CSNE

Module: DFHZLS1

XMEOUT Parameters: *date, time, applid, tranid, sysid, X'code', X'subcode'*

DFHZC0170I *applid* **CICS registered successfully to VTAM generic resource name** *grname***.**

Explanation: CICS has registered as a VTAM generic resource in the group *grname*.

System Action: CICS continues. It is now possible to log on using the generic resource name.

User Response: None.

Destination: Console

Module: DFHZGSL

XMEOUT Parameters: *applid, grname*

DFHZC0171 *applid* **CICS registration as a VTAM generic resource in the group** *grname* **failed. VTAM return code:** *X'rc'***. FDB2:** *X'fd'***.**

Explanation: CICS failed to register as a VTAM generic resource in the group *grname*.

VTAM returned a RTNCD,FDB2 of *rc,fd* in response to the SETLOGON OPTCD=GNAMEADD macro.

System Action: An AP exception trace entry is output with trace point FB8E.

CICS continues without generic resource support.

User Response: Use the *VTAM programming manual* to determine the meaning of the RTNCD,FDB2 and the actions necessary to correct the problem.

When the problem has been corrected a further attempt may be made to register CICS as a generic resource by closing and reopening the VTAM ACB.

Destination: Console

Module: DFHZGSL

XMEOUT Parameters: *applid, grname, X'rc', X'fd'*

DFHZC0172I *applid* **CICS deregistered successfully from VTAM generic resource name** *grname***.**

Explanation: CICS has deregistered from VTAM generic resource group *grname*.

System Action: None. CICS will not reregister to the generic resource until the VTAM ACB has been closed and opened again.

User Response: None.

Destination: Console

Module: DFHZGSL

XMEOUT Parameters: *applid, grname*

DFHZC0173 *applid* **CICS deregistration from VTAM generic resource name** *grname* **failed. VTAM return code:** *X'rc'***. FDB2:** *X'fd'***.**

Explanation: CICS failed to deregister from VTAM generic resource group *grname*.

VTAM returned a RTNCD,FDB2 of *rc,fd* in response to the SETLOGON OPTCD=GNAMEDEL macro.

This may be due to a hardware failure in another part of the sysplex or to corruption of the TCT prefix causing CICS to attempt to deregister with the wrong name.

System Action: An AP exception trace entry is output with a trace point of X'FB8E'.

User Response: Use the *VTAM Programming Manual* to determine the meaning of the register 15 and register 0 values output by VTAM. If the problem is not caused by use of the wrong version of VTAM, you will need further assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Module: DFHZGLS

XMEOUT Parameters: *applid, grname, X'rc', X'fd'*

DFHZC0174 *applid* **Control block initialization has failed. Generic resource registration or deregistration will not be attempted. Return codes** *r15*,*r0***.**

Explanation: A call to a VTAM macro to initialize the node initialization block (NIB) before registering or deregistering as a VTAM generic resource has failed.

A possible explanation is that the wrong level of VTAM is being used.

System Action: The values of register 15 and register 0 returned by VTAM are output.

An exception trace is output with trace point X'FBED'.

If registration was about to be attempted, CICS continues without generic resource support.

If deregistration was about to be attempted, ACB shutdown continues. VTAM removes CICS as a member for the generic resource name when the ACB is closed.

User Response: Use the *VTAM Programming Manual* to determine the meaning of the register 15 and register 0 values output by VTAM. If the problem is not caused by use of the wrong version of VTAM, you will need further assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Module: DFHZGLS

XMEOUT Parameters: *applid, r15, r0*

DFHZC0175 *applid* **A value was specified for GRNAME but the assemble time or run time VTAM does not support generic resource registration.**

Explanation: A value was specified for the GRNAME system initialization parameter. This indicates that CICS is to register as a VTAM generic resource. However, either DFHTCT*xx* was assembled against a release of VTAM that cannot support generic resource registration, or CICS is running on a VTAM earlier than release 4 version 2.

System Action: CICS sets the generic resource name to blanks and continues without attempting generic resource registration.

User Response: If you are running with ACF/VTAM Release 4 Version 2 or higher, reassemble the TCT against this level of VTAM in order to take advantage of CICS support for generic resource registration.

To prevent this message being issued when using an earlier release of VTAM, do not specify a value for the GRNAME system initialization parameter.

Destination: Console

Module: DFHZSLS

XMEOUT Parameter: *applid*

DFHZC0176 *date time applid* **VTAM was unable to execute a CHANGE OPTCD=ENDAFFIN macro to end an affinity between this application, which is a member of generic resource** *grname***, and a remote LU with netid** *netid* **netname** *netname***. VTAM return code:** *X'rc'***, FDB2:** *X'fd'***, R15:** *X'r15'***.**

Explanation: An attempt was made to end an affinity between this CICS, which is a member of generic resource *grname*, and a remote LU with netid *netid* and netname *netname* by means of a SET CONNECTION ENDAFFINITY or PERFORM ENDAFFINITY command. The attempt has failed because a problem with VTAM prevented the VTAM CHANGE OPTCD=ENDAFFINITY macro from being issued.

VTAM has issued the return code-feedback (RTNCD,FDB2) X'*rc*',X'*fd*' in response to the CHANGE OPTCD=ENDAFFINITY macro.

R15 *r15* is the register 15 value returned by VTAM.

System Action: Processing continues. VTAM has made no attempt to end the affinity.

User Response: See the *VTAM programming manual* for the meaning of the RTNCD,FDB2 and for guidance on correcting the problem.

When the problem has been corrected retry the command.

Destination: CSNE

Module: DFHZGCH

XMEOUT Parameters: *date, time, applid, grname, netid, netname, X'rc', X'fd', X'r15'*

DFHZC0177 *date time applid* **Connection** *sysid* **has created an affinity between this application, which is a member of generic resource** *grname***, and a remote LU with netid** *netid* **netname** *netname***.**

Explanation: A generic resource member has established an APPC synclevel 2, APPC limited resource, or LU6.1 connection with another LU. For connections of these types VTAM creates affinities which are owned by CICS and have to be ended by the CICS operator using the SET CONNECTION ENDAFFINITY or PERFORM ENDAFFINITY command. The message is output whenever the connection is acquired but the affinity is not recreated for each acquire unless it has been ended in the meantime.

System Action: Processing continues.

User Response: None, but note that the affinity has to be ended before the partner LU can establish a connection with another generic resource member.

The affinity may be ended automatically by the connection quiesce transaction when the connection is released. However, it is not done if the system crashes or is shut down 'immediate' whilst the connection is still acquired.

Destination: CSNE

Module: DFHZNAC

XMEOUT Parameters: *date, time, applid, sysid, grname, netid, netname*

DFHZC0178 *date time applid* **An attempt to end an affinity between this application, which is a member of generic resource** *grname***, and a remote LU with netid** *netid* **netname** *netname* **was rejected by VTAM. VTAM return code:** *X'rc'***. FDB2:** *X'fd'***.**

Explanation: An attempt was made to end an affinity between this CICS, which is a member of generic resource *grname*, and a remote LU with netid *netid* and netname *netname* using a SET CONNECTION ENDAFFINITY or PERFORM ENDAFFINITY command. The request has been rejected by VTAM.

VTAM has issued the return code-feedback (RTNCD,FDB2) X'*rc*',X'*fd*' in response to the CHANGE OPTCD=ENDAFFINITY macro.

System Action: Processing continues.

User Response: See the *VTAM programming manual* for the meaning of the RTNCD,FDB2 code and for guidance on correcting the problem.

When the problem has been corrected, retry the command if appropriate.

Destination: CSNE

Module: DFHZGCH

XMEOUT Parameters: *date, time, applid, grname, netid, netname, X'rc', X'fd'*

DFHZC0179 I *date time applid* **Connection** *sysid* **netname** *netname* **is a link to generic resource** *grname* **member** *membername***.**

Explanation: A connection *sysid* from netname *netname* to generic resource *grname* has been established.

The message is issued once for each connection acquire.

System Action: Processing continues.

User Response: None.

Destination: CSNE

Module: DFHZNAC

XMEOUT Parameters: *date, time, applid, sysid, netname, grname, membername*

DFHZC0180 *date time applid* **An affinity between this application, which is a member of generic resource** *grname***, and a remote LU with netid** *netid* **netname** *netname* **has ended successfully.**

Explanation: VTAM has responded positively to an attempt to end an affinity with remote LU netid *netid*, netname *netname*. The affinity was ended implicitly by the connection quiesce transaction when the connection was released or explicitly by a SET CONNECTION ENDAFFINITY or PERFORM ENDAFFINITY command.

System Action: Processing continues. The remote LU can now establish a connection with a different generic resource member.

User Response: None.

Destination: CSNE

Module: DFHZGCH

XMEOUT Parameters: *date, time, applid, grname, netid, netname*

DFHZC0181 *date time applid* **No affinity exists between this application, which is a member of generic resource** *grname***, and a remote LU with netid** *netid* **netname** *netname***. VTAM return code: X'14', FDB2: X'88'.**

Explanation: An unsuccessful attempt was made to end an affinity between this CICS, which is a member of generic resource *grname*, and a remote LU with netid *netid* and netname *netname* using a SET CONNECTION ENDAFFINITY or PERFORM ENDAFFINITY command. VTAM has issued return code-feedback (RTNCD,FDB2) of X'14',X'88' in response to the CHANGE OPTCD=ENDAFFINITY macro indicating that no such affinity exists.

System Action: Processing continues.

User Response: Ensure that the values input to the SET CONNECTION ENDAFFINITY or PERFORM ENDAFFINITY command are correct.

Destination: CSNE

Module: DFHZGCH

XMEOUT Parameters: *date, time, applid, grname, netid, netname*

DFHZC0182 *date time applid* **VTAM was unable to execute an INQUIRE OPTCD=NQN macro to determine the network qualified netname of logical unit** *luname***. VTAM return code:** *X'rc'***, FDB2:** *X'fd'***, R15:** *X'r15'***.**

Explanation: CICS has attempted to determine the network qualified netname of logical unit *luname*. The attempt has failed because a problem with VTAM prevented the VTAM INQUIRE OPTCD=NQN macro from being issued.

VTAM has issued the return code-feedback (RTNCD,FDB2) X'*rc*',X'*fd*' in response to the INQUIRE OPTCD=NQN macro.

R15 *r15* is the register 15 value returned by VTAM.

System Action: The CICS component which requires the network qualified netname of the logical unit determines whether any further action is called for.

User Response: See the *VTAM Programming* manual for the meaning of the RTNCD,FDB2 and for guidance on correcting the problem.

Destination: CSNE

Module: DFHZGIN

XMEOUT Parameters: *date, time, applid, luname, X'rc', X'fd', X'r15'*

DFHZC0183 *date time applid* **An attempt to determine the network qualified name of logical unit** *luname* **was rejected by VTAM. VTAM return code:** *X'rc'***. FDB2:** *X'fd'***.**

Explanation: CICS has attempted to determine the network qualified name of logical unit *luname*. The request has been rejected by VTAM.

VTAM has issued the return code-feedback (RTNCD,FDB2) X'*rc*',X'*fd*' in response to the INQUIRE OPTCD=NQN macro.

System Action: The CICS component which requires the network qualified name of the logical unit decides whether further action is called for.

User Response: See the *VTAM Programming* manual for the meaning of the RTNCD,FDB2 code and for guidance on correcting the problem.

Destination: CSNE

Module: DFHZGIN

XMEOUT Parameters: *date, time, applid, luname, X'rc', X'fd'*

DFHZC0184 *date time applid* **VTAM was unable to execute an INQUIRE OPTCD=SESSNAME macro to determine the member of generic resource set** *grname* **to which logical unit** *netid.luname* **is logged on. VTAM return code:** *X'rc'***, FDB2:** *X'fd'***, R15:** *X'r15'***.**

Explanation: CICS has attempted to determine the member of a generic resource set *grname* to which logical unit *netid.luname* is logged on. The attempt has failed because a problem with VTAM prevented the VTAM INQUIRE OPTCD=SESSNAME macro from being issued.

VTAM has issued the return code-feedback (RTNCD,FDB2) X'*rc*',X'*fd*' in response to the INQUIRE OPTCD=NQN macro.

R15 *r15* is the register 15 value returned by VTAM.

System Action: The CICS component which needs to know where the logical unit is logged on determines whether any further action is called for.

User Response: See the *VTAM Programming* manual for the meaning of the RTNCD,FDB2 and for guidance on correcting the problem.

Destination: CSNE

Module: DFHZGIN

XMEOUT Parameters: *date, time, applid, grname, netid, luname, X'rc', X'fd', X'r15'*

DFHZC0185 *date time applid* **An attempt to determine the member of generic resource set** *grname* **to which logical unit** *netid.luname* **is logged on was rejected by VTAM. VTAM return code:** *X'rc'***. FDB2:** *X'fd'***.**

Explanation: CICS has attempted to determine the member of generic resource set to which *grname* logical unit *netid.luname* is logged on. The request has been rejected by VTAM.

VTAM has issued the return code-feedback (RTNCD,FDB2) X'*rc*',X'*fd*' in response to the INQUIRE OPTCD=SESSNAME macro.

System Action: The CICS component which requires the member name decides whether further action is called for.

User Response: See the *VTAM Programming* manual for the meaning of the RTNCD,FDB2 code and for guidance on correcting the problem.

Destination: CSNE

Module: DFHZGIN

XMEOUT Parameters: *date, time, applid, grname, netid, luname, X'rc', X'fd'*

DFHZC0186 *date time applid* **Connection** *sysid* **which is a member of generic resource** *grname* **has a duplicate remote LU netname** *netname***.** *sense* **((***instance***) Module name: {DFHZOPN})**

Explanation: Node *nodeid* attempted to log on to CICS but the logon is invalid.

The *nodeid* in the message always starts with the netname of the node attempting to connect to CICS. For some instances of the message resulting from an APPC log on, the modename of the session is concatenated to the netname with a dot separator. Since a string consisting of eight blanks is the default modename, this can lead to idiosyncratic formatting of the message.

If the message is issued by DFHZATA, CICS has failed in its attempt to autoinstall the terminal or connection.

The instance *instance* is one of the following:

1 During the acquire process for a secondary session CICS attempted to add the membername of the partner to a table but this name already exists for a different generic resource connection.

2 During the acquire process for a secondary session CICS attempted to add the membername of the partner to a table but this name has just been used as the netname of a terminal by an install occuring at the same time as the install of this connection.

System Action: The acquire of the connection continues.

User Response: Use the instance number to determine why the netname already exists:

1 Use the CEMT INQUIRE CONNECTION API to see which generic resource has the same membername.

Since this problem should not occur under normal circumstances, you may need further assistence from IBM.

2 Investigate why the LU name of the partner is the same as the LU name of a terminal and remove one of the definitions.

Destination: CSNE

Modules: DFHZOPN, DFHZOPN

XMEOUT Parameters: *date, time, applid, sysid, grname, netname, sense, instance, {1=DFHZOPN, 2=DFHZOPN}*

DFHZC0187 *date time applid* **Reset of connection** *sysid* **failed following the ending of an affinity between this a pplication and a remote LU with generic resource name** *grname* **member name** *applid***. The connection was locked by task** *taskid***, transaction** *tranid***.**

Explanation: CICS has failed to reset connection *sysid* after an affinity was ended successfully. A lock was held by task *taskid*, transaction tranid.

System Action: Processing continues but the state of the connection is undetermined.

User Response: If appropriate, use the information in the message to find out why there was a lock on the connection. If the connection is left in a state where it cannot be acquired, delete and reinstall it.

Destination: CSNE

Module: DFHZGCH

XMEOUT Parameters: *date, time, applid, sysid, grname, applid, taskid, tranid*

DFHZC0199 CICS has recovered after a system failure. Execute recovery procedures. *{ Already signed on. | Please sign on.}*

Explanation: This message is sent to a terminal when the associated VTAM session is successfully recovered following a persistent sessions restart of CICS.

This is the default message issued by CICS if RECOVNOTIFY(MESSAGE) is specified on the TYPETERM for a device (see the *CICS Resource Definition Guide*), or in the node error program (see the *CICS Customization Guide*). If RECOVNOTIFY(MESSAGE) is used, it is recommended that the CICS supplied sample mapset DFHXMSG be tailored to meet the installation recovery requirements.

System Action: Processing continues.

User Response: Sign on if required, and take any recovery actions required.

Note: This message cannot be changed with the message editing utility.

Destination: Terminal End User

Module: DFHZNAC

DFHZC0200 *applid* **An attempt by the COVR transaction to OPEN VTAM has failed with return code** *X'retcode'***; CICS will retry.**

Explanation: The COVR transaction has attempted an EXEC CICS SET VTAM OPEN, but the operation failed with the return code *retcode* from the OPEN ACB.

System Action: CICS continues. The COVR transaction retries the operation every 5 seconds. This message is reissued every minute until the operation succeeds, or until 10 minutes has passed, in which case message DFHZC0201 is issued.

User Response: Investigate the reason for VTAM being unavailable. See the *VTAM Programming* manual for an explanation of the ACB return code.

Destination: Console

Module: DFHZCOVR

XMEOUT Parameters: *applid, X'retcode'*

DFHZC0201 *applid* **An attempt by the COVR transaction to OPEN VTAM has failed with return code** *X'retcode'***; the COVR transaction will terminate.**

Explanation: The COVR transaction has repeatedly attempted an EXEC CICS SET VTAM OPEN, but the operations have failed. The OPEN ACB has issued the return code *retcode*.

System Action: CICS continues. The COVR transaction terminates and the SET VTAM OPEN is not retried.

User Response: Investigate the reason for VTAM being unavailable. See the *VTAM Programming* manual for an explanation of the ACB return code.

Destination: Console

Module: DFHZCOVR

XMEOUT Parameters: *applid, X'retcode'*

DFHZC2109 E *date time applid* **Unexpected response from Recovery Manager following resynchronization of LU6.1 session** *termid* **with remote system** *sysid***.**

Explanation: Recovery manager was invoked during resynchronization of an LU6.1 session, but gave an unexpected response. This is due to an internal logic error.

System Action: A system dump is taken unless dumps have been specifically suppressed in the dump table.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CSNE

Module: DFHZNAC

XMEOUT Parameters: *date, time, applid, termid, sysid*

DFHZC2114 E *date time applid termid tranid* **A SEND response failed during receive-any processing.** *sense* **((***instance***) Module name: {DFHZRAC})**

Explanation: A SEND response issued on a receive-any RPL failed, or was not accepted by VTAM.

For the meaning of the sense data, see the explanation on page 678.

System Action: If a task is attached, it is abnormally terminated with a transaction dump. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: A subsequent message in the log indicates the reasons for the failure. Refer to this message for further information and guidance.

Destination: CSNE

Module: DFHZRAC

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZRAC, 2=DFHZRAC}*

DFHZC2115 *applid termid* **Potential CICS hang detected following a SEND to node** *netname***, CID** *X'cid'***. Investigation is required. ((***instance***) Module name: {DFHZRAC})**

Explanation: CICS has issued a VTAM SEND macro to send a response but no notification has been received that the response has completed. Until this SEND operation completes, one of the limited number of receive-any RPLs remains unusable (the number of receive-any RPLs is defined by the RAPOOL system initialization parameter).

This is a serious condition. If all the receive-any RPLs become unusable in this way, CICS is unable to accept any new requests from VTAM. Similarly, a reduction in the number of available receive-any RPLs can adversely affect terminal performance and transaction throughput.

Additionally, while the RPL is hanging, a normal CICS shutdown might be unable to complete.

The CID is the 32-bit VTAM communication identifier which was assigned when the session was established.

System Action: CICS continues to monitor for the SEND operation to complete. Until this happens, CICS reissues this message at approximately three minute intervals.

User Response: This problem is usually caused by a failure in the network which stops the SEND completing. Check the session and the associated logical unit to ensure that there is no error condition which stops VTAM completing the SEND request.

Destination: Console

Module: DFHZRAC

XMEOUT Parameters: *applid, termid, netname, X'cid', instance, {1=DFHZRAC}*

DFHZC2116 E *date time applid* **Resynchronization of LU6.1 session** *termid* **with remote system** *sysid* **failed.**

Explanation: Resynchronization of an LU6.1 session with a remote system has failed to complete for one of the following reasons:

1. There is an apparent inconsistency between the sequence numbers in the two systems
2. There was a protocol error during the exchange of the sequence numbers

3. Neither system requested resynchronization, but there was a shunted unit of work associated with the session.

System Action:

1. A system dump is taken unless dumps have been specifically suppressed in the dump table.
2. The TCTTE for the session on which the error occurred is printed. The local system's sequence numbers, and the numbers or responses received from the remote system can be found in the TCTTE.
3. The failure of resynchronization is reported to recovery manager. Recovery manager issues diagnostics relating to any unit of work affected by the failure.

User Response:

1. Determine whether changes to data in the local and remote system are synchronized. Diagnostics issued by recovery manager will help you to do this. If necessary, take action to resynchronize the data.
2. Determine why the resynchronization failure happened. You will normally need assistance from IBM to do this. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CSNE

Modules: DFHZRSY, DFHZSCX, DFHZSEX

XMEOUT Parameters: *date, time, applid, termid, sysid*

DFHZC2117 E *date time applid termid tranid* **Data received on pipeline session exceeds RAIA size. ((***instance***) Module name: {DFHZRAC})**

Explanation: CICS has received data on a pipeline session which is larger than the initial I/O area allocated for the receive any RPL. The size of the receive any input area (RAIA) is specified on the RAMAX system initialization parameter.

System Action: CICS ends the session which sent the data and marks it out of service. CICS will also attempt to abnormally terminate any running transactions which were initiated from this session.

User Response: Increase the value of the RAMAX system initialization parameter so that it is at least equal to the largest RUSIZE (from the CINIT) specified for a pipeline session.

Destination: CSNE

Module: DFHZRAC

XMEOUT Parameters: *date, time, applid, termid, tranid, instance, {1=DFHZRAC}*

DFHZC2118 *applid* **Receive Any stall for netname** *netname***.**

Explanation: All the CICS Receive Any RPLs have been posted but the TCTTE for each one is waiting for a response from a VTAM terminal or session. All the Receive Any RPLs have been stalled for 10 dispatches of the TCP task (CSTP). This message is produced for each session that is in this situation. A VTAM session has not responded to a command such as BID or SHUTD sent by CICS. This is typically caused by a protocol error.

System Action: CICS is NOT running with system initialization parameter RAPOOL=(n,n,FORCE) so CICS VTAM activity is held up until one of the commands completes.

User Response:

Issue the VTAM command V NET,INACT,ID=netname,I for one or more of the sessions indicated by *netname*, to try and free a Receive Any RPL. Note - if the sessions are LU6.2 then the above command will inactivate the partner APPLID to VTAM.

Investigate why the CICS terminal control commands that have caused the stall have not completed. If this is due to a protocol error from the partner or device, attempt to get the protocol error corrected.

Consider increasing the number of Receive Any RPLs specified in the RAPOOL System Initialization parameter. For instance, if you were using the old default of 2, increase this to the new default of 50.

If you still get this message after changing the RAPOOL value consider running CICS with system initialization parameter RAPOOL=(n,n,FORCE), which attempts to issue CLSDST for all the offending sessions or terminals and to re-issue the Receive Any RPLs.

Destination: Console

Module: DFHZRAC

XMEOUT Parameters: *applid, netname*

DFHZC2300 *applid* **Recovery action requested for connection** *sysid***.**

Explanation: The XZIQUE global user exit program has been invoked by CICS because of a potential problem with the connection. The global user exit has used return code UERCAKLL indicating that throughput on the connection is abnormally low and some exceptional action is required. The poor performance of the connection can be caused by:

- Poor response on the receiving end
- Increased load on the sending end.

The condition may be intermittent. Message DFHZC2301 may follow indicating that the connection has recovered.

System Action: CICS cancels all transactions which have outstanding queued requests to use the connection.

User Response: Investigate the cause of the poor performance of the connection. Check the availability and condition of the connected system.

Destination: Console

Module: DFHZISP

XMEOUT Parameters: *applid, sysid*

DFHZC2301I *applid* **Connection** *sysid* **operating normally following recovery action.**

Explanation: Message DFHZC2300 has been issued for this connection. The connection has now recovered and is operating normally.

System Action: Processing continues.

User Response: None

Destination: Console

Module: DFHZISP

XMEOUT Parameters: *applid, sysid*

DFHZC2302 *applid* **SETLOGON start command rejected**

Explanation: CICS issues the SETLOGON START command after a successful OPEN VTAM ACB. The SETLOGON START command is rejected in the following cases:

- The CICS OPEN VTAM ACB was successful, but VTAM subsequently terminated abnormally, or
- The CICS OPEN VTAM ACB was successful, but insufficient system storage was available to satisfy the SETLOGON START command, or
- The CICS OPEN VTAM ACB was successful, but VTAM was subsequently terminated by a VTAM HALT QUICK command.

System Action: If the error occurs during CICS initialization, CICS abnormally terminates with a U2302 abend and a system dump.

If the error occurs as a result of a CEMT or EXEC CICS SET VTAM OPEN, CICS terminates the task abnormally with abend code ATC2 and a transaction dump, and the VTAM ACB is closed.

User Response: The VTAM return code can be found in RTNCD-FDBK2 in the first RPL in the RA pool addressed from TCTVRVRA in the system dump or the transaction dump.

Use the *VTAM Programming* manual, (SC23-0115-3), to determine the cause of the error and the actions necessary to correct it.

After correcting the error, either reinitialize CICS (for abend U2302) or follow the suggestions documented for abend ATC2.

Destination: Console

Module: DFHZSLS

XMEOUT Parameter: *applid*

DFHZC2303 *applid* **No storage available when initiating RECEIVE-ANY's. Code:** *X'code'*

Explanation: While trying to acquire receive-any I/O areas, the SETLOGON START VTAM command found that storage was not available.

System Action: CICS terminates with a dump. An exception entry *code* is made in the trace table.

A system dump is taken unless dumps have been specifically suppressed in the dump table.

Message DFHZC0133 is issued.

User Response: Reduce the size of the RAMAX value in the system initialization table (SIT).

For further information, see the *CICS Performance Guide*.

Destination: Console

Module: DFHZGRP

XMEOUT Parameters: *applid, X'code'*

DFHZC2304 *applid* **RECEIVE-ANY command rejected. Code:** *X'code'*

Explanation: This message is issued when the ACB has been opened either during initialization or dynamic open. DFHZGRP was initiating the VTAM RECEIVE-ANY's but VTAM was short on storage or the VTAM HALT QUICK command was issued.

System Action: An exception entry *code* is made in the trace table.

A system dump is taken unless you have specifically suppressed dumps in the dump table.

If the error occurs during CICS initialization, CICS issues message DFHZC0133 and terminates.

If the error occurs as a result of a CEMT or EXEC CICS SET VTAM OPEN, CICS closes the VTAM ACB.

User Response: The VTAM return code can be found in RTNCD-FDBK2 in the RPL, which is either in the exception trace entry *code*, or in the RA pool addressed from TCTVRVRA in the system dump.

Use the *VTAM Programming* manual, (SC31-6436), to determine the cause of the error and the actions necessary to correct it.

After correcting the error, either reinitialize CICS or reopen the VTAM ACB.

Destination: Console

Module: DFHZGRP

XMEOUT Parameters: *applid, X'code'*

DFHZC2305I *applid* **Termination of VTAM sessions beginning**

Explanation: Either CICS or VTAM is being terminated, or a dynamic close of the VTAM ACB has been requested.

System Action: All CICS-VTAM sessions are closed and the ACB is closed. If termination is not orderly, active transactions are abnormally terminated.

User Response: When VTAM is active, communication may be resumed by using the master terminal operator command CEMT SET VTAM OPEN.

Destination: Console

Module: DFHZSHU

XMEOUT Parameter: *applid*

DFHZC2307 *applid* **CICS VTAM ABNORMALLY QUIESCING (***modname***).**

Explanation: An RPL request has completed without a TCTTE token, for other than a VTAM storage shortage.

System Action: CICS performs a FORCECLOSE of the ACB.

CICS may produce this message twice as both module DFHZRAC and module DFHZSYX may detect the condition.

User Response: When VTAM has been restarted, issue a CEMT SET VTAM OPEN.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Modules: DFHZRAC, DFHZSYX

DFHZC2308 *applid* **TCP Task WAIT failed. Unexpected response from DSSR WAIT_OLDW call (RESPONSE** *X'xx'***, REASON** *X'yy'***).**

Explanation: The TCP task wait has failed.
The TCP dispatcher module, DFHZDSP, has received an unexpected response, with response code X'*xx*' and reason code X'*yy*' from the DSSR WAIT_OLDW call.

System Action: CICS abends with abend U1800 and a system dump is produced.

User Response: Determine the cause of the TCP task wait failure. Investigate the dump in conjunction with any other

accompanying error messages or exception trace entries which may have been issued by dispatcher domain.

Destination: Console

Module: DFHZDSP

XMEOUT Parameters: *applid, X'xx', X'yy'*

DFHZC2309 *applid* **Recovery action requested for connection** *sysid* **using mode group** *modename***.**

Explanation: The XZIQUE global user exit program has been invoked by CICS because of a potential problem with the connection. The global user exit has used return code UERCAKLM indicating that throughput on the connection is abnormally low and some exceptional action is required. The poor performance of the connection can be caused by:

- Poor response on the receiving end
- Increased load on the sending end.

The condition may be intermittent. Message DFHZC2310 may follow indicating that the mode group has recovered.

System Action: CICS cancels all transactions which have outstanding queued requests to use this mode group.

User Response: Investigate the cause of the poor performance of the mode group. Check the availability and condition of the connected system.

Destination: Console

Module: DFHZISP

XMEOUT Parameters: *applid, sysid, modename*

DFHZC2310I *applid* **Connection** *sysid* **using mode group** *modename* **operating normally following recovery action.**

Explanation: Message DFHZC2309 has been issued for this mode group. The mode group has now recovered and is operating normally.

System Action: Processing continues.

User Response: None

Destination: Console

Module: DFHZISP

XMEOUT Parameters: *applid, sysid, modename*

DFHZC2312 * WELCOME TO CICS *****

Explanation: This is the CICS default good morning message for VTAM LUs. It is displayed unless an alternative GMTEXT has been specified as a system initialization parameter, or the typeterm definition logon message (LOGONMSG) has been set to NO.

System Action: Processing continues.

User Response: None.

Note: This message cannot be changed with the message editing utility.

Destination: Terminal End User

Module: DFHSIT

DFHZC2316 *applid* **VTAM ACB is closed**

Explanation: CICS and VTAM have been disconnected. This may be because:

- CICS is terminating, or
- VTAM is terminating, or
- The CICS master terminal operator has issued

```
SET VTAM {CLOSED|IMMCLOSE|FORCECLOSE}
```

System Action: The VTAM ACB is closed.

User Response: If VTAM has not terminated, connection with VTAM can be reestablished by using master terminal operator commands.

Destination: Console

Module: DFHZSHU

XMEOUT Parameter: *applid*

DFHZC2318 *applid* **The autoinstall user program** *progname* **is not enabled. Module** *modname***.**

Explanation: While opening the VTAM ACB, CICS found that no installed program definition exists for the autoinstall user-program *progname* specified in the SIT.

System Action: Other processing continues.

User Response: If you want to use autoinstall, produce an installed program definition for the autoinstall user-program *progname* specified in the SIT.

Destination: Console

Modules: DFHSIJ1, DFHZOPA

XMEOUT Parameters: *applid, progname, modname*

DFHZC2319 *applid* **Unable to close VTAM ACB RC=***xx* **error code=***yy*

Explanation: The VTAM ACB CLOSE request failed.

System Action: CICS continues as if the ACB is closed. (It is not really closed.)

User Response: Refer to the *VTAM Programming* manual for an explanation of the return and error codes.

The return code *xx* is the VTAM return code in Register 15. The error code *yy* is the ACB error flag 'ACBERFLG'.

Destination: Console

Module: DFHZSHU

XMEOUT Parameters: *applid, xx, yy*

DFHZC2320 CORRUPTED TCTTE ADDRESS FOUND DURING SHUTDOWN.

Explanation: A DFHTC CTYPE=LOCATE macro has returned an error indication while shutting down VTAM. This implies that the TCTTE chain has been corrupted, possibly by an overlay of the table manager control blocks.

System Action: CICS is abnormally terminated with a system dump.

User Response: Investigate the dump to determine the cause of the problem.

Note: This message cannot be changed with the message editing utility.

Destination: Console

Module: DFHZSHU

DFHZC2350A *date time applid* **CICS Terminal Control shutdown threshold (***mm* **minutes) exceeded. Sessions still active:** *sesslist* **((***instance***) Module name: {DFHZSHU})**

Explanation: CICS' attempt to shut down the network has not been completed within the time period allowed. This time period, the terminal control shutdown wait threshold, is specified by the TCSWAIT system initialization parameter.

In the message, *mm* is the value of TCSWAIT, and *sesslist* is the VTAM network names of the first 10 (if there are that many) hung VTAM terminals.

System Action:

CICS issues this message to both the CSNE transient data queue and the operating system console. This message is issued to the operating system console with an MVS write to operator (WTO) message descriptor code of 2. This means that the message is held by the operating system (that is, it does not roll off the screen) until the operator deletes it. For each hung VTAM session, message DFHZC2351 is also issued. DFHZC2351 gives further details of the session and is issued only to the CSNE transient data queue. CICS may attempt a FORCECLOSE on the session (see message DFHZC2351 for further details) but otherwise CICS terminal control shutdown continues as normal.

This message, DFHZC2350, is not processed by DFHZNAC (node abnormal condition program), so the condition cannot be intercepted by the installation's DFHZNEP (node error program). Note however that DFHZC2351 is processed by DFHZNAC and may be intercepted by the installation's DFHZNEP.

User Response: Note the message, then delete it from the operating system console using the MVS CONTROL E (or K E) system command. See message DFHZC2351 for further guidance.

Destination: Console and Transient Data Queue CSNE

Module: DFHZSHU

XMEOUT Parameters: *date, time, applid, mm, sesslist, instance, {1=DFHZSHU}*

DFHZC2351 *date time applid termid netname* **Session still active after TC shutdown threshold expired. Reason:** *{01 Request in progress | 02 Task still active | 03 Waiting for SHUTC | 04 Waiting for BIS | 05 Waiting for UNBIND | 06 Waiting for RTR | 07 BID in progress | 08 Other TC work pending | 99 Undetermined} sense* **((***instance***) Module name: {DFHZSHU})**

Explanation: CICS' attempt to shut down the network has not been completed within the time period allowed. The time period, the terminal control shutdown wait threshold, is specified by the TCSWAIT system initialization parameter. This message is issued for each VTAM terminal that is still active (not shut down) after the time period has expired.

In the message *termid* and *netname* are respectively, the CICS terminal identifier, and the VTAM network name of the hung terminal. One of the following is also included in the message to indicate the reason for the hang:

01 Request in progress

02 Task still active

03 Waiting for SHUTC

04 Waiting for BIS

05 Waiting for UNBIND

06 Waiting for RTR

07 BID in progress

08 Other TC work pending

99 Undetermined

System Action: CICS may attempt a FORCECLOSE on the session but otherwise CICS terminal control shutdown continues normally. Whether CICS attempts a FORCECLOSE depends upon:

- The coding of the TCSACTN system initialization parameter, and
- How the installation's DFHZNEP (node error program) handles this condition.

If either of the following conditions is true:

- TCSACTN=UNBIND, and this action is not changed by DFHZNEP,
- TCSACTN=NONE, and this action is changed to FORCECLOSE (UNBIND) by DFHZNEP

CICS terminal control issues a VTAM CLSDST and sends an SNA UNBIND command. If neither of the conditions is true, no special action is taken.

Note: CLSDST is not guaranteed to work in all circumstances.

The first 10 terminals (if there are that many) reported by this message are also included in message DFHZC2350.

User Response: Check the state of the terminal. Check whether the associated DFHZC3437 message includes CLSDST. If DFHZC3437 does not include CLSDST, or it does but the CLSDST still fails to complete, take appropriate action outside of CICS to shut down the terminal.

If after a reasonable interval, terminal control shutdown still fails to complete (message DFHZC2316 is not displayed), take one of the following actions:

- FORCECLOSE the CICS/VTAM ACB.
- Perform a CICS CEMT PERFORM SHUTDOWN IMMEDIATE.
- Cancel the CICS job from the operating system console.

Warning: Do not perform one of these actions unless there are no other suitable actions to take.

The reason why the terminal does not shutdown is more likely to be a problem with the terminal device or the network, than with CICS.

If messages DFHZC2350, DFHZC2351, and DFHZC2352 are issued too early or too late in the shutdown process, take appropriate steps to change the TCSWAIT system initialization parameter on future runs of CICS. Once CICS has initialized, TCSWAIT cannot be changed.

Destination: CSNE

Module: DFHZSHU

XMEOUT Parameters: *date, time, applid, termid, netname, {1=01 Request in progress, 2=02 Task still active, 3=03 Waiting for SHUTC, 4=04 Waiting for BIS, 5=05 Waiting for UNBIND, 6=06 Waiting for RTR, 7=07 BID in progress, 8=08 Other TC work pending, 99=99 Undetermined}, sense, instance, {1=DFHZSHU}*

DFHZC2352 *date time applid sysid netname* **Intersystem parallel connection still active after TC shutdown threshold expired. ((***instance***) Module** *{DFHZSHU})* **).**

Explanation: CICS' attempt to shut down the network has not been completed within the time period allowed. The time period, the terminal control shutdown wait threshold, is specified by the TCSWAIT system initialization parameter. This message is issued for the first VTAM intersystem parallel session in each connection (LU Type 6.1 and LU Type 6.2, but not LU Type 6.2 single-session APPC terminals) that is still active (not shut down) after the time period has expired.

In the message *sysid* and *netname* are respectively, the CICS system identifier and the VTAM

System Action:

CICS terminal control shutdown continues as normal. Unlike terminals (see message DFHZC2351), terminal control does not attempt a FORCECLOSE on hung parallel connections. This message is not processed by DFHZNAC (node abnormal condition program), so the condition cannot be intercepted by the installation''s DFHZNEP (node error program). Parallel connections reported by this message are not included in message DFHZC2350.

User Response: Check the state of the connection. Take appropriate action outside of this CICS system to shut down the connection.

If messages DFHZC2350, DFHZC2351, and DFHZC2352 are issued too early or too late in the shutdown process, take appropriate steps to change the TCSWAIT system initialization parameter on future runs of CICS. Once CICS has initialized TCSWAIT cannot be changed.

Destination: Console and Transient Data Queue CSNE

Module: DFHZSHU

XMEOUT Parameters: *date, time, applid, sysid, netname, instance, {1=DFHZSHU}*

DFHZC2400 E *date time applid termid tranid* **Error not supported.** *sense* **((***instance***) Module name: {DFHZSYX})**

Explanation: CICS received an unexpected error code from VTAM.

System Action: CICS terminates the session. If a task is attached, it is abnormally terminated with a transaction dump.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Use the symptom string, and if necessary the transaction dump, to determine the source of the error.

Destination: CSNE

Module: DFHZSYX

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZSYX, 2=DFHZSYX, 3=DFHZSYX, 4=DFHZSYX, 5=DFHZSYX, 6=DFHZSYX, 7=DFHZSYX, 8=DFHZSYX, 9=DFHZSYX, 10=DFHZSYX}*

DFHZC2401 E *date time applid termid tranid* **RPL Active.** *sense* **((***instance***) Module name: {DFHZRVL | DFHZRVS | DFHZSDA | DFHZSDL | DFHZSDR | DFHZSDS | DFHZSES | DFHZSKR})**

Explanation: CICS attempted to request VTAM services using a request parameter list (RPL) that is currently active.

For the meaning of the sense data, see the explanation on page 678.

System Action: CICS terminates the session. If a task is attached, it is abnormally terminated with a transaction dump.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Use the symptom string, and if necessary, the transaction dump to determine the source of the error.

Destination: CSNE

Modules: DFHZRVS, DFHZSDA, DFHZSDR, DFHZSDS, DFHZSES, DFHZSDL, DFHZRVL, DFHZSKR

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZRVS, 2=DFHZSDA, 3=DFHZSDL, 4=DFHZSDS, 5=DFHZSES, 6=DFHZSKR, 7=DFHZRVL, 8=DFHZSDR, 9=DFHZRVL, 10=DFHZRVL, 11=DFHZRVL, 12=DFHZSDL}*

DFHZC2402 I *date time applid termid tranid netname* **VTAM has returned error on synchronous receive.** *sense* **((***instance***) Module name: {DFHZRAS})**

Explanation: VTAM has indicated that a synchronous receive issued by DFHZRAS during receive-any slow-down processing did not complete successfully. This indicates a serious mismatch between CICS's view of the state of the session and that of VTAM.

For the meaning of the sense data, see the explanation on page 678.

System Action: The request is ignored. CICS prints the associated session TCTTE on the CSNE transient data destination. The RPL returned by VTAM is included in exception trace entry AP FCA2.

User Response: Determine from the RPL in the exception trace why VTAM raised the error.

Destination: CSNE

Module: DFHZRAS

XMEOUT Parameters: *date, time, applid, termid, tranid, netname, sense, instance, {1=DFHZRAS}*

DFHZC2403 E *date time applid termid tranid* **Bind failure.** *sense* **((***instance***) Module name: {DFHZSYX})**

Explanation: An attempt to establish a session has failed. This could be because a physical path to the device could not be found, because the device does not exist or has been defined incorrectly, or because the device has rejected the bind.

For the meaning of the sense data, see the explanation on page 678.

If this is an LU62 or LU61 session and the partner LU has sent sense bytes of X'0835oooo' and oooo is the offset of the NETNAME in the BIND, this indicates that the partner LU was unable to find a suitable session.

If the sense bytes are X'08010000', this may mean that the partner LU has failed to autoinstall a connection.

If the VTAM RETURN CODE FEEDBACK is X'1018' then Generic Resource is in use but the coupling facility is unavailable.

Instance 1 with sense code '0805' - If this system (TOR2) is a member of a generic resource (GR) and the partner (AOR) is not and an affinity already exists between another member (TOR1) of the same generic resource (GR) and the AOR then this indicates that it is not valid to acquire this connection. This message is normally accompanied by DFHZC2411 instance 36 for the equivalent sessions in the AOR. The DFHZC2411 message is saying that the AOR cannot find a connection defined with the real name of TOR2. The AOR connection is defined with the Generic Resource name of the TOR.

System Action: Because communication cannot be established with a node, a VTAM CLSDST macro is issued to release any control blocks previously built, and the node could be placed out of service.

User Response: Use the VTAM sense code given in the message to determine the cause of failure. If appropriate, ensure that the node name was included in the network control program/virtual storage (NCP/VS) generation deck and investigate for a possible bad communication line.

If the sense bytes were X'0835oooo' (where oooo is the offset of the NETNAME in the BIND), the partner LU has been unable to find a suitable session. If the partner LU is CICS, look in the partner LU's log for DFHZC2411 and previous messages for the same session. This should give some indication as to why no session could be found.

If LU62 autoinstall is in use and the sense bytes were X'08010000' look in the partner LU's log for message DFHZC2411 and message DFHZC69xx which should indicate the reason for failure to autoinstall a connection.

If the VTAM RETURN CODE FEEDBACK is X'1018' the logon can be retried once the coupling facility becomes available.

Instance 1 sense '0805'x - Determine if TOR2 was started intentionally with a different APPLID and the same Generic Resource name and if not, correct the problem. If it was and you need a connection between these two systems then you need to end the affinity between AOR and TOR1. The affinity can be ended by:

1. Bring up TOR1, acquire the connection and release it or
2. bring up TOR1 and use ENDAFFIN via CEMT or EXEC CICS or
3. use a batch program described in 'Writing a batch program to end affinities' in the CICS Intercommunication Guide.

However, if the AOR is within the same sysplex as the TOR you should be using MRO connections rather than APPC - you then get no problems with affinities.

If the AOR is outside the sysplex and the connection is acquired from the TOR then you need to use a HUB as described in 'Using a HUB' in the CICS Intercommunication Guide to prevent two TORs from attempting to connect to one AOR using the generic resource name.

Alternatively you can change the AOR connection to address TOR2 by its real name as opposed to its generic resource name and always acquire the connection from the AOR. This implies that you must not use AUTOCONNECT in the TOR connection.

You should release the connection as soon as possible.

Destination: CSNE

Module: DFHZSYX

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZSYX, 2=DFHZSYX}*

DFHZC2404 E *date time applid termid tranid* **VTAM Detected Logic Error.** *sense* **((***instance***) Module name: {DFHZLEX})**

Explanation: VTAM detected an error in a request. The request was either incomplete or not executable.

For the meaning of the sense data, see the explanation on page 678.

System Action: CICS breaks communication with the node (CLSDST), abnormally terminates any attached task, places the node out of service and produces a transaction dump.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Ensure that all application programs running concurrently have proper addressability, thereby avoiding alteration of CICS control blocks such as the TCTTE or the RPL. If this message occurs during normal system execution, you will need further assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

This message may also occur if VTAM is terminating. Under these conditions it is not a serious problem, and usually no response is necessary.

Destination: CSNE

Module: DFHZLEX

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZLEX, 2=DFHZLEX, 3=DFHZLEX, 4=DFHZLEX, 5=DFHZLEX, 6=DFHZLEX}*

DFHZC2405 E *date time applid termid tranid* **Node** *netname* **not activated.** *sense* **((***instance***) Module name: {DFHZSIM | DFHZSIX | DFHZSYX})**

Explanation: The node was not activated, or was deactivated by the network operator, or a generic resource affinity already exists with another system in the same generic resource.

Instance 6 - If the partner is a member of a generic resource (TOR2) and this system (AOR) is not and an affinity already exists between the AOR and another member of the same generic resource (TOR1) because TOR1 crashed, then VTAM has indicated that you cannot acquire this connection.

For the meaning of the sense data, see the explanation on page 678.

System Action: All outstanding SEND and RECEIVE requests are purged. If a task is attached, it is abnormally terminated with a transaction dump. A VTAM CLSDST macro is issued to halt communication with the node, and internal LOGONs are prevented.

If this message is issued during takeover, the acquire is retried at intervals of 1, 2, 4 and 8 minutes after the first attempt. This allows time for sessions which require manual intervention before the acquire can succeed.

User Response: Use the VTAM VARY command to activate the node before using it in the network. Alternatively, for ISC with IMS, enable IMS for LOGONs.

It is possible that the node in question has previously been used as a generic APPLID (or in VTAM terms – a USERVAR). Use the VTAM operator command DISPLAY USERVAR to see if this is the case. If it is, you can use MODIFY USERVAR,OPTION=DELETE,ID=node to delete the USERVAR.

Instance 6 - Determine if TOR2 was started intentionally with a different APPLID and the same GR name and if not, correct the problem. If it was and you need a connection between these two

systems then you need to end the affinity between the AOR and TOR1. The affinity can be ended by:

1. Bring up TOR1, acquire the connection and release it cleanly or
2. Bring up TOR1 and use ENDAFFIN via CEMT or EXEC CICS or
3. Use a batch program described in 'Writing a batch program to end affinities' in the CICS Intercommunication Guide.

However, if the AOR is within the same sysplex as the TOR you should be using MRO connections rather than APPC - you then get no problems with affinities.

If the AOR is outside the sysplex and the connection is acquired from the TOR then you need to use a HUB as described in 'Using a HUB' in the CICS Intercommunication Guide to prevent two TORs from attempting to connect to one AOR using the generic resource name.

Alternatively you can change the AOR connection to address TOR2 by its real name as opposed to its generic resource name and always acquire the connection from the AOR. This implies that you must not use AUTOCONNECT in the TOR2 connection.

Destination: CSNE

Modules: DFHZSYX, DFHZSIX, DFHZSIM

XMEOUT Parameters: *date, time, applid, termid, tranid, netname, sense, instance, {1=DFHZSIM, 2=DFHZSIM, 3=DFHZSIM, 4=DFHZSIM, 5=DFHZSIM, 6=DFHZSYX, 7=DFHZSYX, 8=DFHZSYX, 9=DFHZSIX, 10=DFHZSYX, 11=DFHZSYX}*

DFHZC2406 E *date time applid termid tranid* **Terminate self command received.** *sense* **((***instance***) Module name: {DFHZSYX})**

Explanation: The logical unit (LU) has requested termination of the session.

For the meaning of the sense data, see the explanation on page 678.

System Action: The VTAM CLSDST macro is issued to stop communications with the node. If a task is attached, it is abnormally terminated with a transaction dump.

User Response: None.

Destination: CSNE

Module: DFHZSYX

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZSYX}*

DFHZC2407 E *date time applid termid tranid* **Permanent channel failure.** *sense* **((***instance***) Module name: {DFHZSYX})**

Explanation: Network Control Program/Virtual Storage (NCP/VS) was either shut down by the network operator or was abnormally terminated. Alternatively, there could have been a channel failure.

For the meaning of the sense data, see the explanation on page 678.

System Action: Since communication with the logical unit was broken, the VTAM CLSDST macro instruction is issued to release control blocks previously built by VTAM. If a task is attached, it is abnormally terminated with a transaction dump.

User Response: Use the supplied dump to check for a possible NCP/VS or channel problem.

Destination: CSNE

Module: DFHZSYX

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZSYX, 2=DFHZSYX}*

DFHZC2408 E *date time applid termid tranid* **Apparent VTAM Error.** *sense* **((***instance***) Module name: {DFHZSYX})**

Explanation: VTAM encountered an error during its own processing.

For the meaning of the sense data, see the explanation on page 678.

System Action: If a task is attached, it is abnormally terminated with a transaction dump. The node is placed out of service.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Use the sense data to determine the nature of the error.

Destination: CSNE

Module: DFHZSYX

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZSYX, 2=DFHZSYX, 3=DFHZSYX, 4=DFHZSYX}*

DFHZC2409 I *date time applid termid tranid* **VTAM Recovered Node. LOSTERM Error Code** *X'xx'***.** *sense* **((***instance***) Module name: {DFHZLTX})**

Explanation: VTAM successfully reestablished communication with a node. The reason for entering the LOSTERM exit is given by *xx*, which has one of the following values:

Value	Meaning
0	Dial-disconnect on dial-in.
4	Dial-disconnect on dial-out.
0C	Deactivate immediate.
14	Unconditional terminate self.
1C	Segmenting error.
20	Conditional terminate self.
24	BUFLIM value exceeded.

For the meaning of the sense data, see the explanation on page 678.

System Action: CICS reestablishes communication and places the node in service.

User Response: None.

Destination: CSNE

Module: DFHZLTX

XMEOUT Parameters: *date, time, applid, termid, tranid, X'xx', sense, instance, {1=DFHZLTX, 2=DFHZLTX}*

DFHZC2410 E *date time applid termid tranid* **Node Unrecoverable. VTAM LOSTERM Error Code** *X'xx'***.** *sense* **((***instance***) Module name: {DFHZLTX})**

Explanation: Communication with a node was interrupted and cannot be reestablished by VTAM. The reason for entering the LOSTERM exit is given by the error code X'*xx*'.

For the meaning of the sense data, see the explanation on page 678.

System Action: The VTAM CLSDST macro is issued to release any control blocks previously built for the node. If a task is attached, it is abnormally terminated with a transaction dump.

User Response: See the appropriate *VTAM Programming* manual for an explanation of the error code.

Destination: CSNE

Module: DFHZLTX

XMEOUT Parameters: *date, time, applid, termid, tranid, X'xx', sense, instance, {1=DFHZLTX, 2=DFHZLTX, 3=DFHZLTX, 4=DFHZLTX}*

DFHZC2411 E *date time applid termid tranid nodeid* **attempted invalid logon.** *sense* **((***instance***) Module name: {DFHTFP | DFHZATA | DFHZBLX | DFHZLGX | DFHZSCX | RESERVE})**

Explanation: Node *nodeid* attempted to log on to CICS but the logon is invalid.

The *nodeid* in the message will always start with the 'netname' of the node attempting to connect to CICS. For some instances of the message resulting from an LU6.2 log on, the modename of the session will be concatenated to the 'netname' with a dot separator. Since a string consisting of eight blanks is the default modename, this can lead to idiosyncratic formatting of the message.

If the message is issued by DFHZATA, CICS has failed in its attempt to autoinstall the terminal or connection.

The instance *instance* is one of the following:

1 For LU6.1 no suitable TCTTE can be found, or no session TCTTE exists This could occur for one of the following reasons:

1. The bind did not contain a modename.
2. There is an RDO definition for a member name connection in a generic resource communicating with another generic resource over an LU6.1 link.

2 No PLUNAME has been found in the LU6.2 bind processed by CICS.

3 An attempt to autoinstall a member name connection in a generic resource system has failed because the bind was not for a SNA service manager.

4 Autoinstall is not allowed because the system is terminating.

5 Autoinstall is not allowed because the VTAM ACB is closing.

6 ISC support is not present because ISC=NO specified in the SIT.

7 Used by DFHZATA for several reasons, for example BIND bad and user exit bad.

8 The TCTTE address restored and the address found by NIBSEARCH do not agree.

9 The system is terminating.

10 VTAM is terminating.

11 RESERVED.

12 RESERVED.

13 No address is present in the RPL.

14 LU6.1 cannot autoinstall.

If both CICS systems are registered as different generic resources, the LU61 connections must be defined with each other's generic resource netnames; they cannot communicate by member name. In this case CICS looked for the generic resource netname and was unable to find it.

15 ISC support is not present.

16 A CINIT arrived for an APPC parallel session. This is not supported All input for an APPC parallel session should be via a BIND. Also, no connection exists with this NETNAME.

17 Session is not bound.

18 Not used.

19 LU is not enabled. Typically it is an XRF alternate CICS.

20 A second CINIT with the same netname has arrived.

21 Logon rejected due to CATA abend.

22 A CINIT initiated by SIMLOGON occurred for an APPC paralled session. A matching connection exists, but it is being deleted. This should not occur because either the delete should have been cancelled (if it had been scheduled but not started) or the SIMLOGON should have been queued until the delete was attempted and fails because there is SIMLOGON activity.

23 A BIND was received for an LU6.1 connection. This CICS is registered as a generic resource but the partner addressed CICS by its MEMBER name instead of its generic resource name.

Change the partner's connection definition for this system to use a NETNAME of this system's generic resource name.

24 An unsolicited APPC parallel session CINIT was received by the logon exit. CICS does not support this.

25 A CINIT was received for an LU6.1 connection. This CICS is registered as a generic resource but the partner addressed CICS by its MEMBER name instead of its generic resource name.

Change the partner's connection definition for this system to use a NETNAME of this system's generic resource name.

26 A BIND was received for an LU6.1 connection. This CICS is registered as the same generic resource as the partner. However, the partner addressed CICS by the generic resource name instead of the member name which it should use for intra-plex communication.

Change the partner's connection definition for this system to use a NETNAME of this system's member name.

27 A CINIT was received for an LU6.1 connection. This CICS is registered as the same generic resource as the partner. However, the partner addressed CICS by the generic resource name rather than the member name which it should use for intra-plex communication.

Change the partner's connection definition for this system to use a NETNAME of this system's member name.

28 An LU62 bind was received for the netname specified. CICS has found a connection with the relevant netname but the connection was not defined as APPC.

29 A system entry for the connection indicated by the bind has been found but none of its sessions are usable.

30 No modename field UDSS02 was found in the bind.

31 Examination of the session tctte has indicated it to be out of service, a non-SNA service manager session and to have the associated connection released.

32 An attempt to autoinstall a GR name or XRF connection has failed because the bind was not for a SNA service manager.

33 This bind is a SNA service manager request for an existing partner.

34 There is a problem with the user data supplied in the bind. Specifically one of the following.

- There is no user data.
- The user data supplied is too short.
- The user data is not architected.

35 A delete is pending for the connection found. This delete is for a non-transient terminal definition and has been requested explicitly.

36 For a non-generic resource request, examination of the bind has indicated that it is not for a SNA service manager.

This instance also indicates that you should not acquire this connection if the partner is a member of a generic resource, and this system is not, and an affinity already exists between this system and another member of the same generic resource. See message DFHZC2403, which is issued for the partner's equivalent sessions, for how you correct the situation.

37 The current session count has exceeded the maximum session count indicated in the mode group entry.

38 An attempt to acquire a generic resource connection failed because there is a member name connection defined for the generic resource member to which VTAM has chosen to route it.

39 This CICS has deregistered from a generic resource but a remote partner is attempting to bind an APPC session using a generic resource name. This indicates that VTAM affinities have not been ended on both sides.

40 This CICS has deregistered from a generic resource but a remote partner is attempting to bind an LU6.1 session using a generic resource name. This indicates that VTAM affinities have not been ended on both sides.

For the meaning of the sense data, see the explanation on page 678.

If ???????? is displayed in the second half of the *nodeid* field, the BIND may contain a SESSION QUALIFIER or MODENAME with an invalid length.

System Action: The logon is rejected. If the reject is from DFHZSCX via the dummy TCTTE, an attempt is made to print the failing BIND and sense code with which it was rejected as part of the message.

User Response: Use the instance number to determine why the attempted logon has been rejected and take the appropriate action.

Destination: CSNE

Modules: DFHZLGX, DFHZSCX, DFHZATA, DFHZBLX

XMEOUT Parameters: *date, time, applid, termid, tranid, nodeid, sense, instance, {1=DFHZSCX, 2=DFHZBLX, 3=DFHZBLX, 4=DFHZBLX, 5=DFHZBLX, 6=DFHZBLX, 7=DFHZATA, 8=DFHZLGX, 9=DFHZLGX, 10=DFHZLGX, 11=DFHZSCX, 12=RESERVE, 13=DFHZLGX, 14=DFHZLGX, 15=DFHZLGX, 16=DFHZLGX, 17=DFHZLGX, 18=DFHZLGX, 19=DFHZLGX, 20=DFHZLGX, 21=DFHTFP, 22=DFHZLGX, 23=DFHZSCX, 24=DFHZLGX, 25=DFHZLGX, 26=DFHZSCX, 27=DFHZLGX, 28=DFHZBLX, 29=DFHZBLX, 30=DFHZBLX, 31=DFHZBLX, 32=DFHZBLX, 33=DFHZBLX, 34=DFHZBLX, 35=DFHZBLX, 36=DFHZBLX, 37=DFHZBLX, 38=DFHZLGX, 39=DFHZBLX, 40=DFHZSCX}*

DFHZC2412 E *date time applid termid tranid* **Receive any request failed.** *sense* **((***instance***) Module name: {DFHZRAC})**

Explanation: A receive-any request to VTAM failed. VTAM was terminated.

For the meaning of the sense data, see the explanation on page 678.

System Action: The VTAM RPL control block is logged to the CSMT log for visual inspection.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Determine the reason why the receive-any failed. First, check to see if the VTAM RPL has been altered. If it has been altered, check to see if the alterations could have caused any problems. Correct any obvious errors. It may be useful to refer to the *VTAM Programming* manual, (SC23-0115), during problem determination.

Destination: CSNE

Module: DFHZRAC

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZRAC, 2=DFHZRAC}*

DFHZC2413 E *date time applid termid tranid nodeid* **CLSDST failed.** *sense* **((***instance***) Module name: {DFHTFP | DFHZATA | DFHZLGX})**

Explanation: A CLSDST request for the node identified by *nodeid* failed. VTAM may not have sufficient space to respond to the request.

For the meaning of the sense data, see the explanation on page 678.

System Action: No further communication with the node is initiated.

User Response: Inspect the CSNE, CSMT and CSTL logs for indication of a VTAM storage problem or error message. Also check for any messages indicating an I/O problem.

Destination: CSNE

Modules: DFHTFP, DFHZATA, DFHZLGX

XMEOUT Parameters: *date, time, applid, termid, tranid, nodeid, sense, instance, {1=DFHZATA, 2=DFHZLGX, 3=DFHTFP}*

DFHZC2414 E *date time applid termid tranid* **Temporary VTAM Storage Problem.** *sense* **((***instance***) Module name: {DFHZSYX})**

Explanation: Temporary VTAM storage problem. VTAM is currently short of storage.

For the meaning of the sense data, see the explanation on page 678.

System Action: The failing VTAM request is retried until VTAM is able to accept it.

User Response: Increase the VTAM working buffer storage if this condition recurs and causes undue problems.

Destination: CSNE

Module: DFHZSYX

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZSYX}*

DFHZC2415 E *date time applid termid tranid* **Node** *netname* **out of service.** *sense* **((***instance***) Module name: {DFHZNAC})**

Explanation: A node error condition has occurred on node *nodeid*.

For the meaning of the sense data, see the explanation on page 678.

System Action: CICS places the node out of service.

User Response: Use the sense data to determine the nature of the error.

Destination: CSNE

Module: DFHZNAC

XMEOUT Parameters: *date, time, applid, termid, tranid, netname, sense, instance, {1=DFHZNAC}*

DFHZC2416 E *date time applid termid tranid* **VTAM is halting.** *sense* **((***instance***) Module name: {DFHZSYX})**

Explanation: A VTAM HALT command was entered by the network operator while a SIMLOGON or OPNDST request was in progress. The instance number indicates what type of halt was requested:

1 Orderly shutdown
2 Quick shutdown.

For the meaning of the sense data, see the explanation on page 678.

System Action: The VTAM network is quiesced to prevent further requests and the node is placed out of service.

User Response: None.

Destination: CSNE

Module: DFHZSYX

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZSYX, 2=DFHZSYX}*

DFHZC2417 E *date time applid termid tranid* **VTAM Inactive to TCB.** *sense* **((***instance***) Module name: {DFHZCLS | DFHZCLX | DFHZOPN | DFHZOPX | DFHZRAC | DFHZRLP | DFHZRST | DFHZRVL | DFHZRVS | DFHZRVX | DFHZSDA | DFHZSDL | DFHZSDR | DFHZSDS | DFHZSES | DFHZSIM | DFHZSIX | DFHZSKR | DFHZSLX | DFHZSYX | DFHZTAX})**

Explanation: Either CICS has not opened its VTAM ACB or VTAM has halted.

For the meaning of the sense data, see the explanation on page 678.

System Action: The VTAM network is quiesced to prevent further requests and a dump is produced.

User Response: If VTAM was not halted by the network operator, use the supplied dump to determine the problem.

Destination: CSNE

Modules: DFHZSYX, DFHZCLS, DFHZCLX, DFHZOPN, DFHZOPX, DFHZRAC, DFHZRLP, DFHZRST, DFHZRVL, DFHZRVS, DFHZRVX, DFHZSDL, DFHZSDR, DFHZSDS, DFHZSES, DFHZSIM, DFHZSIX, DFHZSKR, DFHZSLX, DFHZTAX, DFHZSDA

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZOPX, 2=DFHZCLS, 3=DFHZOPN, 4=DFHZRLP, 5=DFHZRST, 6=DFHZRVS, 7=DFHZRVX, 8=DFHZSDA, 9=DFHZSDL, 10=DFHZSDS, 11=DFHZSES, 12=DFHZSIM, 13=DFHZSKR, 14=DFHZSLX, 15=DFHZRAC, 16=DFHZCLX, 17=DFHZRVL, 18=DFHZSDR, 19=DFHZSIX, 20=DFHZTAX, 21=DFHZOPX, 22=DFHZSYX}*

DFHZC2418 E *date time applid termid tranid* **Unknown command in RPL.** *sense* **((***instance***) Module name: {DFHZSEX})**

Explanation: An unknown command was detected in the VTAM request parameter list (RPL) by the CICS SESSIONC exit routine. The RPL address could be invalid or the RPL could have been altered.

For the meaning of the sense data, see the explanation on page 678.

System Action: All outstanding send and receive requests are purged. If a task is attached, it is abnormally terminated with a transaction dump.

Message DFHME0116 is normally produced containing the symptom string for this problem.

A CLSDST is issued to halt communication with the node, and the node is placed out of service.

User Response: First, check if the VTAM RPL has an invalid address. If the address is valid, check to see if the RPL has been altered. If it has been altered, check to see if the alterations could have caused any problems. Correct any obvious errors. It may be useful to refer to the *VTAM Programming* manual, (SC23-0115), while carrying out problem determination.

Destination: CSNE

Module: DFHZSEX

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZSEX, 2=DFHZSEX}*

DFHZC2419 E *date time applid termid tranid* **Unknown command in RPL.** *sense* **((***instance***) Module name: {DFHZRAC | DFHZSLX | DFHZSSX})**

Explanation: An unknown command was detected in the request parameter list (RPL) by the send-data-flow synchronous exit routine. The RPL address could be invalid or the RPL could have been altered.

For the meaning of the sense data, see the explanation on page 678.

System Action: All outstanding send and receive requests are purged. If a task is attached, it is abnormally terminated with a transaction dump.

Message DFHME0116 is normally produced containing the symptom string for this problem.

A VTAM CLSDST macro is issued to halt communication with the node, and the node is placed out of service.

User Response: In the first instance, check if the VTAM RPL has an invalid address. If the address is valid, check to see if the RPL has been altered. If it has been altered, check to see if the alterations could have caused any problems. Correct any obvious errors. It may be useful to refer to the *VTAM Programming* manual, (SC23-0115-3), while carrying out problem determination.

Destination: CSNE

Modules: DFHZSSX, DFHZSLX, DFHZRAC

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZSSX, 2=DFHZSLX, 3=DFHZRAC, 4=DFHZRAC, 5=DFHZRAC, 6=DFHZRAC, 7=DFHZRAC, 8=DFHZRAC}*

DFHZC2420 E *date time applid termid tranid* **Unknown command in RPL.** *sense* **((***instance***) Module name: {DFHZSAX})**

Explanation: An unknown command was detected in the request parameter list (RPL) by the send-data-flow asynchronous exit routine. The RPL address could be invalid or the RPL could have been altered.

For the meaning of the sense data, see the explanation on page 678.

System Action: All outstanding send and receive requests are purged. If a task is attached, it is abnormally terminated with a transaction dump.

Message DFHME0116 is normally produced containing the symptom string for this problem.

A VTAM CLSDST macro is issued to halt communication with the node, and the node is placed out of service.

User Response: In the first instance, check if the VTAM RPL has an invalid address. If the address is valid, check to see if the RPL has been altered. If it has been altered, check to see if the alterations could have caused any problems. Correct any obvious errors. It may be useful to refer to the *VTAM Programming* manual, (SC23-0115), while carrying out problem determination.

Destination: CSNE

Module: DFHZSAX

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZSAX}*

DFHZC2421 E *date time applid termid tranid* **Unsupported command received.** *sense* **((***instance***) Module name: {DFHZRAC | DFHZRLP | DFHZRVX})**

Explanation: An unknown command or request was detected, or the RPL contains logical unit (LU) status.

For the meaning of the sense data, see the explanation on page 678.

System Action: If an invalid command or request was detected, all outstanding send and receive requests are purged. If a task is attached, it is abnormally terminated with a transaction dump. A VTAM CLSDST macro is issued to halt communication with the node.

For ISC sessions, this error may be caused by specifying incompatible session types at each node. (For example, SESSIONTYPE=SEND in one node and SESSIONTYPE=FASTRECV in the other node.)

If the RPL contains logical unit (LU) status, one of the following messages is issued: DFHZC2461, DFHZC2462, DFHZC2464, DFHZC2465, or DFHZC2466.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: An invalid command or request indicates inconsistencies or errors in the definitions of the named terminals/sessions in CICS, VTAM or the connected system for LU6 sessions. Ensure that these definitions are consistent and correct for the device or session characteristics.

Destination: CSNE

Modules: DFHZRAC, DFHZRVX, DFHZRLP

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZRLP, 2=DFHZRLP, 3=DFHZRVX, 4=DFHZRVX, 5=DFHZRAC, 6=DFHZRAC, 7=DFHZRAC, 8=DFHZRAC, 9=DFHZRAC}*

DFHZC2422 E *date time applid termid tranid* **ZCP Logic Error.** *sense* **((***instance***) Module name: {DFHZARL | DFHZDET | DFHZERH | DFHZEV1 | DFHZEV2 | DFHZNAC | DFHZOPN | DFHZRAC | DFHZRVS | DFHZSDS | DFHZSIM | DFHZSKR | DFHZSLX | DFHZSSX})**

Explanation: During terminal processing, CICS detected an invalid internal state in DFHZCP.

Instance 1 of the message could be caused by a loss of data following a persistent sessions restart in a partner system. In this case, no logic error has occurred because any updates are backed out. This normally follows an AZCD for the same session and the message DFHZC0144 for the partner session.

For the meaning of the sense data, see the explanation on page 678.

System Action: All outstanding send and receive requests are purged, and the task is abnormally terminated with a transaction dump. The node is placed out of service and the TCTTE, RPL, and action flags are logged to the CSMT destination for debugging purposes.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Ensure that the application programs running concurrently do not alter the TCTTE. If the TCTTE is not being altered, use the dump to locate the source of the error.

It may be useful to examine the debugging data printed on the CSMT log for clues about what possibly went wrong.

Destination: CSNE

Modules: DFHZARL, DFHZDET, DFHZERH, DFHZEV1, DFHZEV2, DFHZOPN, DFHZRAC, DFHZRVS, DFHZSDS, DFHZSIM, DFHZSKR, DFHZSLX, DFHZNAC, DFHZSSX

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZDET, 2=DFHZSIM, 3=DFHZSIM, 4=DFHZERH, 5=DFHZERH, 6=DFHZERH, 7=DFHZERH, 8=DFHZERH, 9=DFHZERH, 10=DFHZERH, 11=DFHZERH, 12=DFHZERH, 13=DFHZERH, 14=DFHZNAC, 15=DFHZERH, 16=DFHZERH, 17=DFHZERH, 18=DFHZERH, 19=DFHZSDS, 20=DFHZEV1, 21=DFHZEV1, 22=DFHZOPN, 23=DFHZOPN, 24=DFHZRVS, 25=DFHZRVS, 26=DFHZSKR, 27=DFHZSSX, 28=DFHZSLX, 29=DFHZSLX, 30=DFHZRAC, 31=DFHZRAC, 32=DFHZRAC, 33=DFHZRAC, 34=DFHZRAC, 35=DFHZRAC, 36=DFHZRAC, 37=DFHZRAC, 38=DFHZRAC, 39=DFHZARL, 40=DFHZARL, 41=DFHZEV2, 42=DFHZEV2, 43=DFHZRAC, 44=DFHZRAC, 45=DFHZOPN}*

DFHZC2423 E *date time applid termid tranid* **Attempted to send unsupported command.** *sense* **((***instance***) Module name: {DFHZSDS})**

Explanation: A request to send data synchronously was incomplete. Possible reasons are as follows:

1. The TCTTE was altered.
2. A logic error was encountered.
3. The TCTTE was inadvertently placed on the send-synchronous queue.

For the meaning of the sense data, see the explanation on page 678.

System Action: All outstanding send and receive requests are purged. If a task is attached, it is abnormally terminated with a transaction dump. Communication with the node is terminated by issuing the VTAM CLSDST macro instruction.

User Response: For reasons 1 to 3 listed above, ensure that application programs running concurrently do not alter the TCTTE.

If you suspect a logic error (2), check that the VTAM RPL has not been corrupted. If you still cannot resolve the problem, you will need further assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CSNE

Module: DFHZSDS

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZSDS}*

DFHZC2424 E *date time applid termid tranid* **SESSIONC command request invalid.** *sense* **((***instance***) Module name: {DFHZSES | RESERVE})**

Explanation: A SESSIONC request is incomplete or invalid. Possible reasons are as follows:

1. The TCTTE was altered.
2. The command request bits are incomplete. DFHZSES checks TCTEISDT for a Start Data Traffic (SDT) command, TCTEISTS for a Set and Test Sequence Number (STSN) command, and TCTEICLR for a CLEAR command. If it does not find any of these, DFHZSES causes the message to be issued.
3. The wrong request was queued to SESSIONC.

For the meaning of the sense data, see the explanation on page 678.

System Action: All outstanding send and receive requests are purged. If a task is attached, it is abnormally terminated with a transaction dump.

Message DFHME0116 is normally produced containing the symptom string for this problem.

Communication with the node is terminated by issuing the VTAM CLSDST macro instruction.

User Response: Ensure that application programs running concurrently do not alter the TCTTE.

If the TCTTE is not altered, check for conditions 2 or 3.

Destination: CSNE

Module: DFHZSES

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZSES, 2=DFHZSES, 3=RESERVE}*

DFHZC2425 E *date time applid termid tranid* **ASYNC command request invalid.** *sense* **((***instance***) Module name: {DFHZSDA})**

Explanation: A request to send data asynchronously was incomplete or invalid. This condition can be caused by the TCTTE being altered.

For the meaning of the sense data, see the explanation on page 678.

System Action: All outstanding send and receive requests are purged. If a task is attached, it is abnormally terminated with a transaction dump.

Message DFHME0116 is normally produced containing the symptom string for this problem.

Communication with the node is terminated by issuing the VTAM CLSDST macro instruction.

User Response: Check the TCTTE. Ensure that application programs running concurrently do not alter the TCTTE.

Destination: CSNE

Module: DFHZSDA

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZSDA, 2=DFHZSDA}*

DFHZC2426 E *date time applid termid tranid* **Node Status Error. Node is out of service or receive only.** *sense* **((***instance***) Module name: {DFHZATT})**

Explanation: Input was received from a node identified either as output-only or as permanently out of service.

For the meaning of the sense data, see the explanation on page 678.

System Action: All outstanding send and receive requests are purged. If a task is attached, it is abnormally terminated with a transaction dump.

User Response: Change the terminal entry in the TCT to indicate that the node is not an output-only device. If the node is out of service, the master terminal operator should place the node back into service.

Destination: CSNE

Module: DFHZATT

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZATT, 2=DFHZATT, 3=DFHZATT}*

DFHZC2427 I *date time applid termid tranid* **NCP Restarted.** *sense* **((***instance***) Module name: {DFHZSYX})**

Explanation: Network Control Program/Virtual Storage (NCP/VS) has been restarted after failing during an OPNDST.

For the meaning of the sense data, see the explanation on page 678.

System Action: The OPNDST request is reissued.

User Response: None.

Destination: CSNE

Module: DFHZSYX

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZSYX}*

DFHZC2428 E *date time applid termid tranid* **Send DFSYN request incomplete.** *sense* **((***instance***) Module name: {DFHZSDS})**

Explanation: A send-synchronous request was issued without indicating that either a command or data was to be sent.

For the meaning of the sense data, see the explanation on page 678.

System Action: All outstanding send and receive requests are purged. If a task is attached, it is abnormally terminated with a transaction dump.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Check the VTAM RPL for obvious errors. Ensure that application programs running concurrently do not alter the TCTTE. If the TCTTE is not being altered, use the symptom string, and if necessary, the dump to determine the source of the error.

Destination: CSNE

Module: DFHZSDS

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZSDS}*

DFHZC2429 E *date time applid termid tranid* **RESETSR request invalid RTYPE.** *sense* **((***instance***) Module name: {DFHZRST})**

Explanation: An invalid RESETSR request was made in the VTAM macro issued by CICS. The invalid request can be because an RTYPE was not specified or was incorrectly specified, or the TCTTE was altered.

For the meaning of the sense data, see the explanation on page 678.

System Action: All outstanding receive requests are purged. If a task is attached, it is abnormally terminated with a transaction dump.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Check the VTAM RPL for obvious errors. Ensure that application programs running concurrently do not alter the TCTTE. If the TCTTE is not being altered, use the symptom string, and if necessary the dump, to determine the source of the error.

Destination: CSNE

Module: DFHZRST

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZRST, 2=DFHZRST, 3=DFHZRST}*

DFHZC2430 E *date time applid termid tranid* **Send response command request invalid.** *sense* **((***instance***) Module name: {DFHZSDR})**

Explanation: A send-response request was invalid. Either the request did not specify the response level (DR1 or DR2), or the TCTTE was altered.

For the meaning of the sense data, see the explanation on page 678.

System Action: All outstanding send requests are purged. If a task is attached, it is abnormally terminated with a transaction dump and the node is placed out of service.

User Response: Check the VTAM RPL for obvious errors. Ensure that application programs running concurrently do not alter the TCTTE. If the TCTTE is not being altered, use the dump to determine the source of the error.

Destination: CSNE

Module: DFHZSDR

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZSDR}*

DFHZC2431 E *date time applid termid tranid* **Request to a released node.** *sense* **((***instance***) Module name: {DFHZSYX})**

Explanation: CICS requested VTAM to perform a close destination for a node currently “owned” by CICS.

For the meaning of the sense data, see the explanation on page 678.

System Action: If the CICS ACB is open, all outstanding requests are purged, the task is abnormally terminated with a transaction dump if a task is attached, and the node is placed out of service. If however, the ACB is already closed, the only action taken is to place the node out of service.

User Response: If the CICS ACB is open, use the dump to determine the source of the error. Check that the TCTTE is valid.

Destination: CSNE

Module: DFHZSYX

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZSYX}*

DFHZC2432 E *date time applid termid tranid* **Exception response received.** *sense* **((***instance***) Module name: {DFHZRAC | DFHZRVX | DFHZSSX})**

Explanation: CICS has received an exception response.

For the meaning of the sense data, see the explanation on page 678.

System Action: Another CICS message is issued in conjunction with this message.

User Response: Perform the action specified for the associated CICS message.

Destination: CSNE

Modules: DFHZRAC, DFHZRVX, DFHZSSX

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZRVX, 2=DFHZRVX, 3=DFHZRVX, 4=DFHZRVX, 5=DFHZRVX, 6=DFHZRVX, 7=DFHZRVX, 8=DFHZSSX, 9=DFHZSSX, 10=DFHZSSX, 11=DFHZSSX, 12=DFHZRAC, 13=DFHZRAC, 14=DFHZRAC, 15=DFHZRAC, 16=DFHZRAC, 17=DFHZRAC, 18=DFHZRAC, 19=DFHZRAC, 20=DFHZRAC, 21=DFHZRAC, 22=DFHZRAC, 23=DFHZRAC}*

DFHZC2433 E *date time applid termid tranid nodeid* **Logon has failed because autoinstall is disabled.** *sense* **((***instance***) Module name: {DFHZBLX | DFHZLGX})**

Explanation: Node *nodeid* attempted to log on to CICS. The logon has failed because autoinstall is disabled. Possible reasons are:

- Autoinstall system initialization parameters have been incorrectly defined.

- An error has been detected in CICS terminal attach processing.
- The system is short on storage. Autoinstall is reenabled once the SOS condition ends.

System Action: The logon is rejected.

User Response: Ensure that the value for the AIQMAX system initialization parameter is greater than zero. If an autoinstall user program has been specified for system initialization parameter AIEXIT, check that the program name has been defined to CICS. See the *CICS System Definition Guide* for further information about autoinstall parameters.

If the system is short on storage, see the associated messages for further guidance.

Destination: CSNE

Modules: DFHZLGX, DFHZSCX, DFHZBLX

XMEOUT Parameters: *date, time, applid, termid, tranid, nodeid, sense, instance, {1=DFHZLGX, 2=DFHZLGX, 3=DFHZBLX, 4=DFHZBLX}*

DFHZC2434 E *date time applid termid tranid* **Invalid copy request - Copy not supported.** *sense* **((***instance***) Module name: {DFHZARQ})**

Explanation: A DFHTC TYPE=COPY request has been issued to a 3270 compatibility mode logical unit. The request is invalid because the 3270 COPY command is not supported by a 3270 compatibility mode logical unit.

For the meaning of the sense data, see the explanation on page 678.

System Action: The task abends.

User Response: Change the application program to avoid issuing a COPY request.

Destination: CSNE

Module: DFHZARQ

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZARQ}*

DFHZC2435 E *date time applid termid tranid* **RPL missing.** *sense* **((***instance***) Module name: {DFHZRVS})**

Explanation: CICS issued a receive-specific request VTAM without specifying a request parameter list (RPL). This condition could result from one of the following reasons:

- An RPL was not allocated
- An RPL was allocated, but later freed
- TCTERPLA was altered.

For the meaning of the sense data, see the explanation on page 678.

System Action: All outstanding receive requests are purged. If a task is attached, it is abnormally terminated with a transaction dump. A CLSDST macro is issued to terminate communication with the node.

User Response: Use the dump to determine whether the TCTTE was altered by an application program. If it was, correct the error. If the TCTTE has not been altered, check for potential RPL problems.

Destination: CSNE

Module: DFHZRVS

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZRVS}*

DFHZC2436 E *date time applid termid tranid* **TIOA missing.** *sense* **((***instance***) Module name: {DFHZRVS | DFHZRVX})**

Explanation: The TIOA was missing while a receive-specific request was being processed. This condition could result from the TIOA being freed or TCTTEDA being altered.

For the meaning of the sense data, see the explanation on page 678.

System Action: All outstanding receive requests are purged. If a task is attached, it is abnormally terminated with a transaction dump.

User Response: Use the dump to determine if the TCTTE was altered by an application program.

Destination: CSNE

Modules: DFHZRVS, DFHZRVX

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZRVS, 2=DFHZRVX, 3=DFHZRVS}*

DFHZC2437 E *date time applid termid tranid* **Invalid WRITE request to an input only device.** *sense* **((***instance***) Module name: {DFHZSDS})**

Explanation: An output request was issued to a VTAM terminal that is defined as an input-only device. Either the TCTTETS was altered or a task that was attached issued a send request.

For the meaning of the sense data, see the explanation on page 678.

System Action: All outstanding send requests are purged. If a task is attached, it is abnormally terminated with a transaction dump. The terminal status remains unchanged.

User Response: Either ensure that the node is defined correctly in the TCTTE, or prevent the task from issuing an output request to the node.

Destination: CSNE

Module: DFHZSDS

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZSDS}*

DFHZC2438 E *date time applid termid tranid* **Invalid READ request to an output only device.** *sense* **((***instance***) Module name: {DFHZRVS | DFHZSDS})**

Explanation: An input request was issued to a VTAM terminal that is identified as an output-only device. Either the TCTTETS was altered or a task was attached that issued a read request.

For the meaning of the sense data, see the explanation on page 678.

System Action: All outstanding receive requests are purged. If a task is attached, it is abnormally terminated with a transaction dump. The terminal status remains unchanged.

User Response: Either change the definition of the terminal in the TCTTE, or prevent the task from issuing input requests to the node.

Destination: CSNE

Modules: DFHZRVS, DFHZSDS

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZRVS, 2=DFHZSDS}*

DFHZC2439 E *date time applid termid tranid* **Invalid RESUME request.** *sense* **((***instance***) Module name: {DFHZACT})**

Explanation: An invalid resume request was received. The CICS activate-scan function detected a resume request in a TCTTE, but the TCTTE was not part of any transaction.

For the meaning of the sense data, see the explanation on page 678.

System Action: The TCTTE is printed and logged to the CSNE destination for debugging purposes.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Use the symptom string to determine the cause of the problem. Check the TCTTE data printed and logged to the CSNE destination for obvious alterations and errors.

Destination: CSNE

Module: DFHZACT

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZACT}*

DFHZC2440 I *date time applid termid tranid* **CICS quiesced by node.** *sense* **((***instance***) Module name: {DFHZASX})**

Explanation: A VTAM logical unit has requested CICS to quiesce all I/O activity with that node.

For the meaning of the sense data, see the explanation on page 678.

System Action: All data transmission to the node is halted until CICS receives a release-quiesce indicator.

User Response: None.

Destination: CSNE

Module: DFHZASX

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZASX}*

DFHZC2441 I *date time applid termid tranid* **CICS released by node.** *sense* **((***instance***) Module name: {DFHZASX})**

Explanation: CICS received a release-quiesce indicator from a VTAM logical unit that had previously quiesced CICS.

For the meaning of the sense data, see the explanation on page 678.

System Action: Data transmission to the node is resumed by CICS.

User Response: None.

Destination: CSNE

Module: DFHZASX

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZASX}*

DFHZC2442 E *date time applid termid tranid* **Exception response received to a definite response send.** *sense* **((***instance***) Module name: {DFHZRVX})**

Explanation: An exception response was received when a definite response protocol was requested.

For the meaning of the sense data, see the explanation on page 678.

System Action: CICS issues a second message in conjunction with this message that explains the reason for the exception response.

User Response: Perform the action specified for the second CICS message received.

Destination: CSNE

Module: DFHZRVX

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZRVX, 2=DFHZRVX}*

DFHZC2443 E *date time applid termid tranid* **Request outstanding when node released.** *sense* **((***instance***) Module name: {DFHZRVL | DFHZRVS | DFHZSDL | DFHZSDS | DFHZSHU})**

Explanation: CICS received a request from an application program, when its node was either not in session or queued to be CLSDSTed.

For the meaning of the sense data, see the explanation on page 678.

System Action: All outstanding requests are ignored. If a task is attached, it is abnormally terminated with a transaction dump.

User Response: None.

Destination: CSNE

Modules: DFHZSDS, DFHZRVL, DFHZRVS, DFHZSDL, DFHZSHU

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZRVS, 2=DFHZSDL, 3=DFHZSDS, 4=DFHZSDS, 5=DFHZSDS, 6=DFHZSHU, 7=DFHZSHU, 8=DFHZRVL, 9=DFHZSHU}*

DFHZC2444 E *date time applid termid tranid* **CICS bracket state error.** *sense* **((***instance***) Module name: {DFHZRVS | DFHZSDS})**

Explanation: A CICS application program violated bracket protocol. It is possible that the application program issued an I/O request following a write (last) request.

For the meaning of the sense data, see the explanation on page 678.

System Action: All outstanding send and receive requests are purged. If a task is attached, it is abnormally terminated with a transaction dump.

User Response: Correct the application program.

Destination: CSNE

Modules: DFHZRVS, DFHZSDS

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZRVS, 2=DFHZSDS}*

DFHZC2445 E *date time applid termid tranid* **Output area exceeded.** *sense* **((***instance***) Module name: {DFHZSDS})**

Explanation: The TIOA was not large enough to hold all the output data. The application program either set up the TIOA incorrectly or it overran the TIOA.

For the meaning of the sense data, see the explanation on page 678.

System Action: All outstanding send requests are purged. If a task is attached, it is abnormally terminated with a transaction dump.

User Response: Correct the application program to acquire a larger TIOA.

Destination: CSNE

Module: DFHZSDS

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZSDS, 2=DFHZSDS}*

DFHZC2446 E *date time applid termid tranid* **Invalid response to a bid.** *sense* **((***instance***) Module name: {DFHZRAC | DFHZRVX | DFHZSSX})**

Explanation: An invalid response was received for a bid request. A normal response was received in response to a bid indicator while the transaction was in bracket state. The controller application program is in error.

For the meaning of the sense data, see the explanation on page 678.

System Action: All outstanding requests are purged. If a task is attached, it is abnormally terminated with a transaction dump. Communication with the node is terminated by issuing a VTAM CLSDST macro instruction, and the node is placed out of service.

User Response: Correct the controller application program to return an exception response to a bid indicator when in the bracket state, followed by a ready-to-receive indicator when ready to honor the bid.

Destination: CSNE

Modules: DFHZRAC, DFHZRVX, DFHZSSX

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZRVX, 2=DFHZSSX, 3=DFHZRAC}*

DFHZC2447 E *date time applid termid tranid* **A severe error has occurred as a result of a previous failure.** *sense* **((***instance***) Module name: {DFHZACT | DFHZFRE | DFHZGET | DFHZOPN | DFHZRAC | DFHZRLP | DFHZRVS | DFHZSDA})**

Explanation: A domain call failed and the response could not be handled by module *modname* because of a previous failure. The domain concerned should have issued a message to the console which gives further information about the failure.

For the meaning of the sense data, see the explanation on page 678.

System Action: All outstanding send and receive requests for terminal *termid* are purged. If a task is attached, it is abnormally terminated with a transaction dump. Terminal *termid* is placed out of service and the TCTTE is logged to the CSNE destination.

User Response: Refer to the message issued by the domain that is in error. It indicates the source of the original error.

Destination: CSNE

Modules: DFHZRAC, DFHZRVS, DFHZSDA, DFHZOPN, DFHZFRE, DFHZRLP, DFHZACT, DFHZGET

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZOPN, 2=DFHZRVS, 3=DFHZSDA, 4=DFHZRAC, 5=DFHZRAC, 6=DFHZOPN, 7=DFHZOPN, 8=DFHZFRE, 9=DFHZRLP, 10=DFHZACT, 11=DFHZGET, 12=DFHZGET, 13=DFHZOPN}*

DFHZC2448 E *date time applid termid tranid* **Invalid response requested.** *sense* **((***instance***) Module name: {DFHZRAC | DFHZRVX})**

Explanation: An invalid response was requested. An application program transmitted data to CICS without requesting a response from CICS.

For the meaning of the sense data, see the explanation on page 678.

System Action: All outstanding receive requests are purged. If a task is attached, it is abnormally terminated with a transaction dump. Communication with the node is terminated by issuing a VTAM CLSDST macro, and the node is placed out of service.

User Response: Correct the application program.

Destination: CSNE

Modules: DFHZRAC, DFHZRVX

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZRVX, 2=DFHZRAC, 3=DFHZRAC}*

DFHZC2449 E *date time applid termid tranid* **Bracket Error.** *sense* **((***instance***) Module name: {DFHZRAC | DFHZRVX})**

Explanation: The application program either sent a begin-bracket indicator while the transaction was in bracket state, or sent an end-bracket indicator.

For the meaning of the sense data, see the explanation on page 678.

System Action: If a task is attached, it is abnormally terminated with a transaction dump. Communication with the node is terminated by issuing the VTAM CLSDST macro, and the node is placed out of service.

User Response: Correct the application program.

Destination: CSNE

Modules: DFHZRAC, DFHZRVX

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZRVX, 2=DFHZRVX, 3=DFHZRAC, 4=DFHZRAC}*

DFHZC2450 E *date time applid termid tranid* **Bid issued but ATI cancelled.** *sense* **((***instance***) Module name: {DFHZRAC | DFHZRVX | DFHZSSX})**

Explanation: An automatic task initiation (ATI) request was issued without an ATI pending for that terminal.

For the meaning of the sense data, see the explanation on page 678.

System Action: CICS will satisfy the BB pending condition by sending a standalone BB-EB.

User Response: If ATI is time-initiated, increase the timer value.

Destination: CSNE

Modules: DFHZRAC, DFHZRVX, DFHZSSX

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZRVX, 2=DFHZRVX, 3=DFHZRVX, 4=DFHZSSX, 5=DFHZSSX, 6=DFHZSSX, 7=DFHZRAC, 8=DFHZRAC, 9=DFHZRAC}*

DFHZC2451 E *date time applid termid tranid* **Outstanding request when clear was issued.** *sense* **((***instance***) Module name: {DFHZSYX})**

Explanation: A request was outstanding when clear was issued. A receive-specific request was pending when a clear indicator was issued. A clear indicator is sent when any of the following occurs:

- The logical unit is lost (LOSTERM).
- CICS issues a VTAM CLSDST macro.
- CICS issues the clear during message resynchronization.

For the meaning of the sense data, see the explanation on page 678.

System Action: All outstanding requests are purged. If a task is attached, it is abnormally terminated with a transaction dump.

User Response: None.

Destination: CSNE

Module: DFHZSYX

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZSYX}*

DFHZC2452 E *date time applid termid tranid* **Invalid command received.** *sense* **((***instance***) Module name: {DFHZSCX})**

Explanation: CICS received an invalid command (VTAM indicator). The CICS session-control input exit-routine (SCIP) encountered an indicator other than request-recovery. This routine should be scheduled only when a request-recovery indicator is received from the controller application program.

For the meaning of the sense data, see the explanation on page 678.

System Action: If a task is attached, it is abnormally terminated with a transaction dump. The session is terminated and the node is placed out of service.

User Response: Check the VTAM RPL for obvious errors. Use the dump to help determine the source of the problem.

Destination: CSNE

Module: DFHZSCX

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZSCX}*

DFHZC2453 E *date time applid termid tranid* **Request recovery received.** *sense* **((***instance***) Module name: {DFHZSCX})**

Explanation: A request for recovery was received. The secondary logical unit requested message resynchronization by sending a request-recovery indicator, but a message sequence number is inconsistent with the sequence number maintained by the 3601 application program.

For the meaning of the sense data, see the explanation on page 678.

System Action: All outstanding send and receive requests are purged. If a task is attached, it is abnormally terminated with a transaction dump. Message resynchronization is then initiated by CICS.

User Response: None.

Destination: CSNE

Module: DFHZSCX

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZSCX}*

DFHZC2454 E *date time applid termid tranid* **Exception in chain.** *sense* **((***instance***) Module name: {DFHZSYX})**

Explanation: An exception response was returned on a POST=RESP chain-data send. CICS normally does not send chained data using POST=RESP.

For the meaning of the sense data, see the explanation on page 678.

System Action: All outstanding send and receive requests are purged. If a task is attached, it is abnormally terminated with a transaction dump.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Use the symptom string, and if necessary the transaction dump, to determine the source of the error.

Destination: CSNE

Module: DFHZSYX

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZSYX}*

DFHZC2455 E *date time applid termid tranid* **In CA mode - Task attached.** *sense* **((***instance***) Module name: {DFHZATT})**

Explanation: An attempt to attach a task to a logical unit (LU) was made, despite the task being in continue-any (CA) mode. However, terminal *termid* already had a task attached to it.

For the meaning of the sense data, see the explanation on page 678.

System Action: The task that is already attached to terminal *termid* is abnormally terminated with a transaction dump.

Message DFHME0116 is normally produced containing the symptom string for this problem. Communication with the node is terminated by issuing the VTAM CLSDST macro. CICS then reestablishes communication with the node by issuing the SIMLOGON macro.

User Response: Use the symptom string, and if necessary the dump, to determine the source of the error. Try to determine why there was an attempt to attach a task to terminal *termid* while it already had a task attached to it.

Destination: CSNE

Module: DFHZATT

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZATT}*

DFHZC2456 E *date time applid termid tranid* **Exception response received to a command.** *sense* **((***instance***) Module name: {DFHZRAC | DFHZSYX})**

Explanation: CICS received an exception response to a command (VTAM indicator) that it sent to a logical unit.

For the meaning of the sense data, see the explanation on page 678.

System Action: In conjunction with this message, CICS issues a second message that explains the reason for the exception response.

User Response: Perform the action specified in the second CICS message received.

Destination: CSNE

Modules: DFHZSYX, DFHZSSX

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZSYX, 2=DFHZSYX, 3=DFHZSYX, 4=DFHZRAC}*

DFHZC2457 E *date time applid termid tranid* **Multiple Errors Encountered.** *sense* **((***instance***) Module name: {DFHZEMW | DFHZRAC | DFHZSYX})**

Explanation: A node encountered consecutive errors. That is, the node abnormal condition program, NACP, encountered a second error while processing the first error.

For the meaning of the sense data, see the explanation on page 678.

System Action: If a task is attached, it is abnormally terminated with a transaction dump. Communication with the node is terminated by issuing a VTAM CLSDST macro. The first error is accompanied by an error message.

User Response: Use the dump to determine the source of the errors. Refer to the error message produced by the first problem and to any VTAM messages that may have been issued.

Destination: CSNE

Modules: DFHZRAC, DFHZSYX, DFHZEMW

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZEMW, 2=DFHZSYX, 3=DFHZSYX, 4=DFHZRAC, 5=DFHZRAC}*

DFHZC2458 E *date time applid termid tranid* **Exception response received to an exception response send.** *sense* **((***instance***) Module name: {DFHZRAC | DFHZRVX})**

Explanation: CICS received an exception response to a send for which an exception response was requested.

For the meaning of the sense data, see the explanation on page 678.

System Action: In conjunction with this message, CICS issues a second message that explains the reason for the exception response.

User Response: Perform the action specified in the second CICS message received.

Destination: CSNE

Modules: DFHZRAC, DFHZRVX

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZRVX, 2=DFHZRVX, 3=DFHZRVX, 4=DFHZRVX, 5=DFHZRAC, 6=DFHZRAC, 7=DFHZRAC, 8=DFHZRAC, 9=DFHZRAC, 10=DFHZRAC, 11=DFHZRAC, 12=DFHZRAC}*

DFHZC2459 E *date time applid termid tranid* **No TIOA available for send.** *sense* **((***instance***) Module name: {DFHZSDS})**

Explanation: TCTTEDA was not loaded before issuing a DFHTC TYPE=WRITE, or it was inadvertently cleared.

For the meaning of the sense data, see the explanation on page 678.

System Action: If a task is attached, it is abnormally terminated with a transaction dump. The send is purged.

User Response: Ensure that TCTTEDA is loaded with the TIOA address before issuing the write.

Destination: CSNE

Module: DFHZSDS

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZSDS, 2=DFHZSDS}*

DFHZC2460 E *date time applid termid tranid* **Sense receive not supported.** *sense* **((***instance***) Module name: {DFHZNAC})**

Explanation: Sense codes not supported by CICS were received from the logical unit.

For the meaning of the sense data, see the explanation on page 678.

System Action: All outstanding send and receive requests are purged. If a task is attached, it is abnormally terminated with a transaction dump. Communication with the node is terminated by issuing a VTAM CLSDST macro, and the node is placed out of service.

User Response: The user's node error program (DFHZNEP) can process the sense codes.

Destination: CSNE

Module: DFHZNAC

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZNAC}*

DFHZC2461 E *date time applid termid tranid* **Intervention required.** *sense* **((***instance***) Module name: {DFHZNAC})**

Explanation: Operator action is requested for a physical component of terminal *termid* before a request can be completed.

For the meaning of the sense data, see the explanation on page 678.

System Action: The request is retried, unless the device is one that sends a logical unit status message after intervention is required. In the latter case, the relevant system action is taken.

User Response: Correct the problem with the device.

Destination: CSNE

Module: DFHZNAC

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZNAC}*

DFHZC2462 E *date time applid termid tranid* **Bracket Error.** *sense* **((***instance***) Module name: {DFHZNAC})**

Explanation: The secondary logical unit and CICS both sent a begin-bracket indicator concurrently.

For the meaning of the sense data, see the explanation on page 678.

System Action: All outstanding send and receive requests are purged. If a task is attached, it is abnormally terminated with a transaction dump. Communication with the node is terminated by issuing the VTAM CLSDST macro.

User Response: Correct the controller application program so that it cannot send a begin-bracket indicator.

Destination: CSNE

Module: DFHZNAC

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZNAC}*

DFHZC2463 E *date time applid termid tranid* **Node** *nodeid* **resource pending deletion, connection request rejected.** *sense* **((***instance***) Module name: {DFHZBLX | DFHZLGX})**

Explanation: Node *nodeid* tried to connect to CICS. CICS rejected the request because it was deleting the terminal definition for *termid*.

For the meaning of the sense data, see the explanation on page 678.

System Action: CICS continues with the resource alteration, or for instance 3 of the message, the autoinstall delete transaction, CATD, is restarted.

User Response: When the resource alteration is complete, retry the connection or logon request.

Destination: CSNE

Modules: DFHZSCX, DFHZBLX, DFHZLGX

XMEOUT Parameters: *date, time, applid, termid, tranid, nodeid, sense, instance, {1=DFHZBLX, 2=DFHZBLX, 3=DFHZLGX}*

DFHZC2464 E *date time applid termid tranid* **Terminate chain.** *sense* **((***instance***) Module name: {DFHZNAC})**

Explanation: The secondary logical unit asked CICS to terminate transmission of further data in the current chain.

For the meaning of the sense data, see the explanation on page 678.

System Action: All outstanding send and receive requests are purged. If a task is attached, it is abnormally terminated with a transaction dump. A cancel indicator is issued to the logical unit permitting discard of the data in the current chain.

User Response: Use the supplied dump to determine why the logical unit requested the chain to be discarded.

For the meaning of the sense data, refer to the explanatory paragraph in message DFHZC2461.

Destination: CSNE

Module: DFHZNAC

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZNAC}*

DFHZC2465 E *date time applid termid tranid* **Insufficient resources.** *sense* **((***instance***) Module name: {DFHZNAC})**

Explanation: The subsystem controller application program has insufficient resources to handle the request. For instance, in the case of 3601, the 3601 diskette might be full, or the data segment in the 3601 might not be large enough to handle the data set.

For the meaning of the sense data, see the explanation on page 678.

System Action: The subsystem is temporarily suspended.

User Response: Determine why the controller application program encountered this condition. For the meaning of the sense data, refer to the explanatory paragraph in message DFHZC2461.

Destination: CSNE

Module: DFHZNAC

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZNAC}*

DFHZC2466 E *date time applid termid tranid* **Function not executable.** *sense* **((***instance***) Module name: {DFHZNAC})**

Explanation: The controller application program cannot transmit a message to terminal *termid*. Either a data check occurred, or the node is not available.

For the meaning of the sense data, see the explanation on page 678.

System Action: All outstanding send and receive requests are purged. If a task is attached, it is abnormally terminated with a transaction dump. Terminal status remains unchanged.

User Response: Use the supplied dump to determine why the application program could not execute the request.

For the meaning of the sense data, refer to the explanatory paragraph in message DFHZC2461.

Destination: CSNE

Module: DFHZNAC

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZNAC}*

DFHZC2467 E *date time applid termid tranid* **Invalid communications ID (CID) detected.** *sense* **((***instance***) Module name: {DFHZLEX})**

Explanation: CICS issued a VTAM request containing a communications identifier (CID) which VTAM did not recognize. This may be due to the TCTECID field having been altered. Alternatively, it may mean that the session is in the process of being closed down by VTAM and that CICS has tried to use it before the process was complete.

For the meaning of the sense data, see the explanation on page 678.

System Action: All outstanding send and receive requests are purged. If a task is attached, it is abnormally terminated with a transaction dump. If the failing request is not a CLSDST, the node is placed out of service. If the losterm exit was driven with return code X'0C', X'10', or X'14', CICS issues a CLSDST to VTAM and reset action flag 23, “keep node out of service”.

User Response: Ensure that application programs running concurrently do not alter the TCTECID field in the TCTTE. Also

check that the session is still active; that is, that the system being communicated with is still functioning.

Destination: CSNE

Module: DFHZLEX

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZLEX}*

DFHZC2468 E *date time applid termid tranid* **Name** *netname* **unknown or vary activate required.** *sense* **((***instance***) Module name: {DFHZLEX})**

Explanation: Either the node has not been activated by VARY ACTIVATE or CICS issued a VTAM request containing an invalid symbolic node name where:

- The name may have been altered in the node initialization block (NIB)
- The name was specified during VTAM definition and does not agree with the name in the TCT.

For the meaning of the sense data, see the explanation on page 678.

System Action: All outstanding send and receive requests are purged. If a task is attached, it is abnormally terminated with a transaction dump. The node is placed out of service.

User Response: Either issue VARY ACTIVATE for the node, or ensure that application programs running concurrently do not alter the NIB name. Names specified during VTAM definition must agree with those in the TCT.

Destination: CSNE

Module: DFHZLEX

XMEOUT Parameters: *date, time, applid, termid, tranid, netname, sense, instance, {1=DFHZLEX}*

DFHZC2469 E *date time applid termid tranid* **Exception response received.** *sense* **((***instance***) Module name: {DFHZSYX})**

Explanation: An exception response (negative response) was sent by the secondary logical unit.

For the meaning of the sense data, see the explanation on page 678.

System Action: For a non-3270 device, an exception response is returned to the node, along with the sense codes supplied by VTAM in the request parameter list (RPL) for the inbound message. For a 3270 device, the exception request contains 3270 sense/status.

User Response: Analyze the sense codes in DFHZNEP.

Destination: CSNE

Module: DFHZSYX

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZSYX, 2=DFHZSYX}*

DFHZC2470 E *date time applid termid tranid* **Task active at Shutdown.** *sense* **((***instance***) Module name: {DFHZASX})**

Explanation: One of the following has occurred:

- A request shutdown indicator was received from the controller application program on behalf of the node while a task was still attached.
- During VTAM shutdown, a shutdown complete indicator was received from the controller application program on behalf of the node while a task was still attached
- During VTAM shutdown, a task was still attached to a VTAM 3270 (which cannot send request shutdown or shutdown complete).

For the meaning of the sense data, see the explanation on page 678.

System Action: In the first two cases, CICS honors the command. In all cases, all outstanding send and receive requests are purged, and if a task is attached, it is abnormally terminated with a transaction dump. Communication with the node is terminated by issuing a VTAM CLSDST macro.

User Response: None.

Destination: CSNE

Module: DFHZASX

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZASX}*

DFHZC2471 E *date time applid termid tranid* **FMH length error.** *sense* **((***instance***) Module name: {DFHZATT | DFHZRAC})**

Explanation: The function management header (FMH) length was greater than that of the data received from the logical unit.

For the meaning of the sense data, see the explanation on page 678.

System Action: All data received is purged. If a task is attached, it is abnormally terminated with a transaction dump.

User Response: Correct the application program in the logical unit.

Note: The first 16 bytes of the I/O area in error are put to the CSNE log data set to aid in error determination.

Destination: CSNE

Modules: DFHZRAC, DFHZATT

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZATT, 2=DFHZATT, 3=DFHZATT, 4=DFHZATT, 5=DFHZATT, 6=DFHZRAC}*

DFHZC2472 E *date time applid termid tranid* **Unable to retrieve overlength data.** *sense* **((***instance***) Module name: {DFHZRAC})**

Explanation: The receive request for the remainder of data in excess of the input area for the receive-any module was not accepted by VTAM.

For the meaning of the sense data, see the explanation on page 678.

System Action: All associated data is purged.

User Response: A subsequent message follows in the log, indicating reasons for the request failing. Refer to this message for further information and guidance.

Destination: CSNE

Module: DFHZRAC

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZRAC, 2=DFHZRAC}*

DFHZC2473 E *date time applid termid tranid* **Outbound chaining not supported.** *sense* **((***instance***) Module name: {DFHZSDS})**

Explanation: The application program has attempted to send more data than the generated maximum allowable length.

For the meaning of the sense data, see the explanation on page 678.

System Action: All send requests are purged. If a task is attached, it is abnormally terminated with a transaction dump.

User Response: Correct the application program so that it is sensitive to the maximum allowable length of data that can be sent to the terminal (such as checking the device type), providing the terminal does not support outbound chaining of data (such as a pipeline session).

Note: The generated maximum allowable length is specified in the TCTTE.

Destination: CSNE

Module: DFHZSDS

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZSDS, 2=DFHZSDS}*

DFHZC2475 E *date time applid termid tranid* **Function cancelled by LU device.** *sense* **((***instance***) Module name: {DFHZNAC})**

Explanation: The logical unit (LU) has terminated all processing connected with one of its components.

For the meaning of the sense data, see the explanation on page 678.

System Action: All send and receive requests are purged. If a task is attached, it is abnormally terminated with a transaction dump.

User Response: Correct the problem with the LU component and bring it back online. Possible causes of the problem include the following:

- Power for the device is switched off
- A line that is down
- A hardware problem
- In the case of an LU6 link, the connected transaction, for example, CSMI, has terminated abnormally.

Destination: CSNE

Module: DFHZNAC

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZNAC}*

DFHZC2476 E *date time applid termid tranid* **Resource unavailable.** *sense* **((***instance***) Module name: {DFHZNAC})**

Explanation: A component of the logical unit (LU) is no longer available.

For the meaning of the sense data, see the explanation on page 678.

System Action: All send and receive requests are purged. If a task is attached, it is abnormally terminated with a transaction dump.

User Response: Correct the problem with the LU component and bring it back online. Possible causes of the problem include the following.

- Power for the device is switched off.
- A line that is down.
- A hardware problem.

Destination: CSNE

Module: DFHZNAC

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZNAC}*

DFHZC2477 E *date time applid termid tranid* **Chaining not supported.** *sense* **((***instance***) Module name: {DFHZNAC})**

Explanation: The logical unit (LU) does not support chaining of data from the host.

For the meaning of the sense data, see the explanation on page 678.

System Action: All send requests are purged. If a task is attached, it is abnormally terminated with a transaction dump.

User Response: Ensure that the maximum amount of data being transmitted to the LU does not exceed the length specified in the buffer parameter of the DFHTCT macro instruction.

Note: The buffer parameter value can be increased only to the maximum acceptable limit of the LU.

Destination: CSNE

Module: DFHZNAC

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZNAC}*

DFHZC2478 E *date time applid termid tranid* **Invalid FMH.** *sense* **((***instance***) Module name: {DFHZNAC})**

Explanation: The function management header (FMH) transmitted to the logical unit (LU) had no counterpart on the translate table.

For the meaning of the sense data, see the explanation on page 678.

System Action: All send and receive requests are purged. If the batch data interchange program is not being used, the transaction is abnormally terminated with a transaction dump. The first part of the TIOA, containing the FMH, is written to the CSNE log.

User Response: Correct the application program so that the LU has a counterpart on the translate table.

Destination: CSNE

Module: DFHZNAC

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZNAC}*

DFHZC2479 E *date time applid termid tranid* **Function not supported.** *sense* **((***instance***) Module name: {DFHZNAC})**

Explanation: The response unit (RU) received by the logical unit (LU) contains a request that this device does not support.

For the meaning of the sense data, see the explanation on page 678.

System Action: All send and receive requests are purged. If a task is attached, it is abnormally terminated with a transaction dump.

User Response: Ensure that the terminal control table (TCT) generation specifications for the device are valid as well as able to accommodate the application requests. (For example, a read-only device being defined as transceive, yet having a bid sent to it.)

Destination: CSNE

Module: DFHZNAC

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZNAC}*

DFHZC2480 E *date time applid termid tranid* **Retry requested.** *sense* **((***instance***) Module name: {DFHZNAC})**

Explanation: The logical unit (LU) has indicated, via sense codes contained in an exception response or an LU status message, that it requires the data to be retransmitted.

For the meaning of the sense data, see the explanation on page 678.

System Action: Retransmission of data will be attempted only in the case of protected tasks (message integrity). If the exception response containing the retry sense codes is received for an unprotected task while in chain processing, a cancel command will be sent to the LU and the task will be resumed. If CICS is not in chain processing, the transaction will be resumed.

User Response: If message retransmission is necessary for the LU, ensure that the retry sense codes are imbedded in the exception response. Also ensure that the host transaction is defined as a protected task (message integrity).

Destination: CSNE

Module: DFHZNAC

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZNAC}*

DFHZC2481 E *date time applid termid tranid* **RU Error.** *sense* **((***instance***) Module name: {DFHZNAC})**

Explanation: The response unit (RU) received by the logical unit (LU) was either not translatable or had an invalid length.

For the meaning of the sense data, see the explanation on page 678.

System Action: All send and receive requests are purged. If a task is attached, it is abnormally terminated with a transaction dump.

User Response: Retrying the request a number of times by use of the node error program (NEP) mechanism may be necessary. This is because this type of error may stem from a bad communication line. If this fails, check for possible invalid or inappropriate terminal specifications at terminal control table (TCT) generation time.

Destination: CSNE

Module: DFHZNAC

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZNAC}*

DFHZC2482 E *date time applid termid tranid* **Pipeline session bracket error.** *sense* **((***instance***) Module name: {DFHZATT})**

Explanation: Terminal *termid* was defined in the terminal control table (TCT) as running in pipeline session mode. However, the BRACKET operand in that definition was either omitted or was specified as BRACKET=YES. Bracket protocol is not enforced on a pipeline session terminal.

For the meaning of the sense data, see the explanation on page 678.

System Action: All send and receive requests are purged and the session is terminated. If a task is attached, it is abnormally terminated with a transaction dump.

User Response: Correct the TCT entry by inserting the BRACKET=NO operand.

Destination: CSNE

Module: DFHZNAC

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZATT}*

DFHZC2483 E *date time applid termid tranid* **Receiver in transmit mode.** *sense* **((***instance***) Module name: {DFHZNAC})**

Explanation: Normal data flow has been interrupted.

For the meaning of the sense data, see the explanation on page 678.

System Action: Processing continues.

User Response: Retry the WRITE.

Destination: CSNE

Module: DFHZNAC

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZNAC}*

DFHZC2484 E *date time applid termid tranid* **Component not available.** *sense* **((***instance***) Module name: {DFHZNAC})**

Explanation: An application request could not be satisfied because the required component was not available.

For the meaning of the sense data, see the explanation on page 678.

System Action: If a task is attached, it is abnormally terminated with a transaction dump. All outstanding send and receive requests are purged.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Check the terminal environment, or use the symptom string, and if necessary the dump, to determine the cause of the error.

Destination: CSNE

Module: DFHZNAC

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZNAC}*

DFHZC2485 E *date time applid termid tranid* **Cancel received in 'CS'-mode.** *sense* **((***instance***) Module name: {DFHZRVX})**

Explanation: A CANCEL indicator was received while a task was active.

For the meaning of the sense data, see the explanation on page 678.

System Action: If a task is attached, it is abnormally terminated with a transaction dump. All outstanding send and receive requests purged.

User Response: None.

Destination: CSNE

Module: DFHZRVX

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZRVX}*

DFHZC2486 E *date time applid termid tranid* **Cancel received in 'CA'-mode.** *sense* **((***instance***) Module name: {DFHZRAC})**

Explanation: A CANCEL indicator was received while no task was active.

For the meaning of the sense data, see the explanation on page 678.

System Action: Processing continues.

User Response: None.

Destination: CSNE

Module: DFHZRAC

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZRAC}*

DFHZC2487 E *date time applid termid tranid nodeid* **Session connection failed. Node unavailability return code** *returncode***.** *sense* **((***instance***) Module name: {DFHZBLX | DFHZLGX | DFHZSCX})**

Explanation: A connection request was rejected. CICS is temporarily unable to carry out the connection request. The TCTTE for node *nodeid* indicated that the session could not be established. *returncode* gives the reason, as follows:

1. The CLSDST macro has been scheduled for this node
2. The node is in an abnormal condition
3. The node has an error condition raised against it
4. The node is already in use
5. CICS is terminating
6. VTAM is terminating.

For the meaning of the sense data, see the explanation on page 678.

System Action: The connection request is rejected.

User Response: Retry the connection request when the node becomes available. See the *CICS Customization Guide* for more information on the CLSDST macro and for an explanation of abnormal node conditions.

Destination: CSNE

Modules: DFHZLGX, DFHZSCX, DFHZBLX

XMEOUT Parameters: *date, time, applid, termid, tranid, nodeid, returncode, sense, instance, {1=DFHZSCX, 2=DFHZSCX, 3=DFHZSCX, 4=DFHZSCX, 5=DFHZSCX, 6=DFHZSCX, 7=DFHZBLX, 8=DFHZBLX, 9=DFHZLGX, 10=DFHZLGX, 11=DFHZLGX, 12=DFHZLGX, 13=DFHZLGX, 14=DFHZLGX, 15=DFHZLGX, 16=DFHZLGX}*

DFHZC2488 E *date time applid termid tranid nodeid* **logon request rejected as terminal recovery is in progress.** *sense* **((***instance***) Module name: {DFHZBLX | DFHZLGX | DFHZSCX})**

Explanation: A connection request was rejected because the CICS terminal recovery program was still executing.

For the meaning of the sense data, see the explanation on page 678.

System Action: The connection request is rejected.

User Response: Retry the connection request. Message DFHRU2800 is produced when the recovery program has completed processing.

Destination: CSNE

Modules: DFHZLGX, DFHZSCX, DFHZBLX

XMEOUT Parameters: *date, time, applid, termid, tranid, nodeid, sense, instance, {1=DFHZLGX, 2=DFHZSCX, 3=DFHZBLX}*

DFHZC2489 E *date time applid termid tranid* **3270 - Invalid copy request.** *sense* **((***instance***) Module name: {DFHZARQ})**

Explanation: The terminal control table terminal entry (TCTTE) of the device from which the information is to be copied (“from” device) did not specify the COPY feature. Alternatively, the “from” device:

- Is not defined in the TCT, or
- Is not a 3270, or
- Is not connected to CICS via VTAM.

For the meaning of the sense data, see the explanation on page 678.

System Action: If a task is attached, it is abnormally terminated with a transaction dump.

User Response: Ensure that the application program is aware of the device configuration. Furthermore, ensure that the “from” device is defined in the TCT as a 3270 device AND is connected to CICS.

Destination: CSNE

Module: DFHZARQ

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZARQ, 2=DFHZARQ, 3=DFHZARQ}*

DFHZC2490 E *date time applid termid tranid* **Request for TOLTEP.** *sense* **((***instance***) Module name: {DFHZSYX})**

Explanation: On a request for TOLTEP, a receive request completes in error.

For the meaning of the sense data, see the explanation on page 678.

System Action: If a transaction is currently attached, it is abnormally terminated. The terminal is disconnected from CICS by a VTAM CLSDST macro, and is queued for logon to CICS when TOLTEP has finished.

User Response: None.

Destination: CSNE

Module: DFHZSYX

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZSYX}*

DFHZC2492 E *date time applid termid tranid* **Intervention required on 3270 printer.** *sense* **((***instance***) Module name: {DFHZNAC})**

Explanation: This message is sent to the CSNE message log when an INTERVENTION REQUIRED condition is detected on a 3270 printer. This condition could occur for any of the reasons listed below.

- A transaction has requested the use of a printer that does not exist.
- The printer adapter feature is not present.
- There is no paper in the printer.
- The printer cover is open.
- The printer is offline.

For the meaning of the sense data, see the explanation on page 678.

System Action: No action is performed except printing of the RPL and the TCTTE.

User Response: Check that the terminal control table (TCT) is properly defined and that the transaction requests proper printer operations. If this is correct, check that the printer itself is in proper working order.

Destination: CSNE

Module: DFHZNAC

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZNAC}*

DFHZC2493 E *date time applid termid tranid* **Intervention required on 3270 device.** *sense* **((***instance***) Module name: {DFHZNAC})**

Explanation: This message occurs when an INTERVENTION REQUIRED condition arises on the 3270 Information Display System.

For the meaning of the sense data, see the explanation on page 678.

System Action: No action is performed.

User Response: Correct the intervention condition.

Destination: CSNE

Module: DFHZNAC

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZNAC}*

DFHZC2494 E *date time applid termid tranid* **Error status** *sense* **received from 3270. ((***instance***) Module name: {DFHZNAC})**

Explanation: An error status message *sense* was received from a 3270 Information Display System. An INTERVENTION REQUIRED condition causes an "intervention required" message to be output instead of this message.

System Action: If a task is attached, it is abnormally terminated with a transaction dump. If bad data, sent by Basic Mapping Support (BMS), causes an operation check, the bad data is purged.

User Response: Analyze the error status codes to determine the proper course of action required to correct the unit error or program error.

For non-SNA 3270 devices, the sense code is 0000 xxxx, where xxxx is sense data returned by the control unit to which the 3270 device is attached. Datastream errors are rejected with an Operation Check, and commands with a Command Reject. Details of error status codes are given in the *IBM 3270 Information Display System 3274 Control Unit Description and Programmer's Guide*.

Destination: CSNE

Module: DFHZNAC

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZNAC}*

DFHZC2495 E *date time applid termid tranid* **Printer Outserv/int reqd/ineligible. Req queued.** *sense* **((***instance***) Module name: {DFHZNAC})**

Explanation: DFHZNAC has performed an interval control PUT to a 3270 printer on behalf of a DFHZC2497 "unavailable printer" condition. The printer is:

- Out of service,
- Has an intervention situation, or
- Does not have a RECEIVE or TRANSCEIVE status.

For the meaning of the sense data, see the explanation on page 678.

System Action: Other processing continues.

User Response: Determine why the printer is unavailable. If the terminal is out of service, put it back into service. If the terminal has an intervention situation, determine what this situation is and correct it. If the terminal does not have a RECEIVE or TRANSCEIVE status, place it into RECEIVE or TRANSCEIVE status.

Destination: CSNE

Module: DFHZNAC

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZNAC}*

DFHZC2496 E *date time applid termid tranid* **IC put to printer failed***{ | IOERROR | TRNIDER | TRMIDER | INVREQ}***.** *sense* **((***instance***) Module name: {DFHZNAC})**

Explanation: DFHZNAC has attempted to perform a DFHIC TYPE=PUT macro as the result of a DFHZC2497 "unavailable printer" condition and has failed. This message is written to the CSNE log.

For the meaning of the sense data, see the explanation on page 678.

System Action: DFHZNEP is recalled by DFHZNAC to allow for further processing.

User Response: Ensure that:

- The interval control program (ICP) is capable of handling the request that DFHZNAC is issuing for the IOERROR and INVREQ errors
- CSPP is an installed transaction definition for the TRNIDER error
- DFHZNEP is passing DFHZNAC as a valid terminal address for the TRMIDER error.

Destination: CSNE

Module: DFHZNAC

XMEOUT Parameters: *date, time, applid, termid, tranid, {1= , 2= IOERROR, 3= TRNIDER, 4=TRMIDER, 5= INVREQ}, sense, instance, {1=DFHZNAC}*

DFHZC2497 E *date time applid termid tranid* **Unavailable printer.** *sense* **((***instance***) Module name: {DFHZARQ})**

Explanation: A print function was requested on a 3270 display device. Neither the PRINTTO or the ALTPRT printer was available to receive the information.

For the meaning of the sense data, see the explanation on page 678.

System Action: If no NEP action is specified, the print request is halted.

User Response: A possible solution is to route the data available at TCTTEDA in the provided terminal entry to a transient data queue that causes automatic task initiation later to a printer. This would be done in DFHZNEP. For more information, see the *CICS Customization Guide*.

Destination: CSNE

Module: DFHZARQ

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZARQ}*

DFHZC2498 E *date time applid termid tranid* **IC put to printer failed.** *sense* **((***instance***) Module name: {DFHZARQ})**

Explanation: A 3270 print request has failed because transaction CSPP could not be initiated. Either transaction CSPP is not an installed transaction definition, or the message to be printed cannot be written to temporary storage.

For the meaning of the sense data, see the explanation on page 678.

System Action: Processing continues.

User Response: Check that transaction CSPP is an installed transaction definition and that you have sufficient temporary storage to accommodate the data to be printed.

Destination: CSNE

Module: DFHZARQ

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZARQ}*

DFHZC2499 *date time applid* **The following message was destined for a read only terminal. The text is '***msgtext***'**

Explanation: The user has entered an invalid entry, the entry is rejected, and the request is backed out.

System Action: Terminal Control backs out the request and issues this message with the error information contained in *msgtext*.

User Response: Read the error information that is contained in *msgtext* and reenter the request.

XMEOUT Parameters: *date, time, applid, msgtext*

DFHZC3202 E *date time applid* **Transaction CCIN - VTAM netname** *netname***. The value** *codepage* **in the codepage parameter is not supported.**

Explanation: A CCIN transaction has been run from a CICS client. The codepage which the CICS client has requested is not supported.

netname is the VTAM netname of the CICS client.

System Action: CICS cannot perform the translations required to support the CICS client with the requested character set and codepage. CICS continues but uses a default codepage instead of the supplied one. For details of the default codepage, see the *CICS Family: Communicating from CICS on System/390* manual.

The request to install the CICS client continues, but uses the default codepage. A response code of EXCEPTION and a reason code of INVALIDCODEPAGE is sent to the client.

User Response: See the *CICS Family: Communicating from CICS on System/390* manual for a list of the client codepage values which are supported. It may be necessary to reconfigure the client locale.

Destination: CSCC

Module: DFHZCN2

XMEOUT Parameters: *date, time, applid, netname, codepage*

DFHZC3203 E *date time applid* **Transaction CCIN - VTAM netname** *netname***. The capabilities parameter is not valid.**

Explanation: A CCIN transaction has been run from a CICS client. The capabilities which have been received are not valid. The CICS client has specified that it supports features which no CICS client is supposed to support. The CICS client is violating the CICS client communications architecture.

netname is the VTAM netname of the CICS client.

System Action: Exception trace point AP301A is written.

The request to install the CICS client is rejected. A response code of DISASTER and a reason code of INVALIDREQUEST is sent to the client.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CSCC

Module: DFHZCN2

XMEOUT Parameters: *date, time, applid, netname*

DFHZC3204 E *date time applid* **Transaction CCIN - VTAM netname** *netname***. The codepage parameter has not been specified.**

Explanation: A CCIN transaction has been run from a CICS client. One of the parameters which must be supplied is the codepage which the CICS client intends to use. This parameter is missing.

netname is the VTAM netname of the CICS client.

System Action: Exception trace point AP301B is written.

The request to install the CICS client is rejected. A response code of DISASTER and a reason code of INVALIDREQUEST is sent to the client.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CSCC

Module: DFHZCN1

XMEOUT Parameters: *date, time, applid, netname*

DFHZC3205 E *date time applid* **Transaction CTIN - virtual terminal** *termid* **VTAM netname** *netname***. CICS cannot support the** *{n.a. | n.a. | n.a. | combination of client and virtual terminal codepage. | client codepage. | virtual terminal codepage.}*

Explanation: A CTIN install request has been received from a CICS client as a result of a CICS_EpiAddTerminal function or terminal emulator operation.

CICS was checking the codepage specified by the CICS client and the codepage specified by the virtual terminal. However one of the following occurred:

1 – 3 *n.a.* - not applicable and should not occur.

4 *unsupported combination of CICS client and virtual terminal codepage.* indicates that the two codepages above are known about but CICS does not support data conversion between the CICS client codepage and the virtual terminal codepage.

5 *unsupported CICS client codepage* indicates that CICS is unable to support the codepage supplied by the CICS client in the CCIN or CTIN transaction.

6 *unsupported virtual terminal codepage* indicates that the CGCSGID parameter defining the virtual terminal codepage is not supported for CICS data conversion. If the virtual terminal was autoinstalled, CGCSGID was specified in the autoinstall model requested by the CICS client. If the virtual terminal was defined, CGCSGID was defined in the TYPETERM named by the virtual terminal definition.

CICS cannot perform the translations required to support the CICS client with the requested codepage.

netname is the VTAM netname of the CICS client.

System Action: Exception trace point AP3035 is written.

4 *unsupported combination of CICS client and virtual terminal codepage.*

A response code of ERROR and a reason code of INSTALLCANCELLED is sent to the client. The virtual terminal is NOT installed.

5 *unsupported CICS client codepage*.

The request to install the virtual terminal continues and the invalid codepage is replaced by a default as specified in the *CICS Family: Communicating from CICS on System/390* manual.

A response code of EXCEPTION and a reason code of INVALIDCODEPAGE is sent to the client.

6 *unsupported virtual terminal codepage*.

A response code of ERROR and a reason code of INSTALLCANCELLED is sent to the client. The virtual terminal is NOT installed.

User Response: See the *CICS Family: Communicating from CICS on System/390* manual and check the list of the client codepage values then reconfigure the workstation locale or correct the virtual terminal TYPETERM definition.

The exception trace point AP3035 contains the CICS client codepage and the virtual terminal CGCSGID values.

Destination: CSCC

Module: DFHZCT1

XMEOUT Parameters: *date, time, applid, termid, netname, {1=n.a., 2=n.a., 3=n.a., 4=combination of client and virtual terminal codepage., 5=client codepage., 6=virtual terminal codepage.}*

DFHZC3206 E *date time applid* **Transaction CTIN - virtual terminal** *termid* **VTAM netname** *netname***. The client's terminal install limit has been exceeded.**

Explanation: A CTIN install request has been received from a CICS client as a result of a CICS_EpiAddTerminal function or terminal emulator operation. However the CICS client whose VTAM netname is *netname* already has 512 virtual terminals.

termid is the name that would have been given to the new virtual terminal. If the CICS client did not supply the name it is blank.

System Action: The request to install the virtual terminal is rejected. A response code of DISASTER and a reason code of INVALIDREQUEST is sent to the client.

User Response: Check why the CICS client has sent so many CTIN installs without corresponding CTIN uninstall functions.

To correct the problem the CICS client must send a CTIN uninstall for each virtual terminal that needs to be deleted.

Destination: CSCC

Module: DFHZCT1

XMEOUT Parameters: *date, time, applid, termid, netname*

DFHZC3207 E *date time applid* **Transaction CTIN - VTAM netname** *netname***. The request has failed because CCIN has not been run.**

Explanation: A CTIN install request has been received from a CICS client as a result of a CICS_EpiAddTerminal function or terminal emulator operation. However there was no previous CCIN install request for the CICS client with the VTAM netname of *netname*. CCIN must always run before CTIN.

This may have been caused by a CICS restart.

netname is the VTAM netname of the CICS client.

System Action: The CTIN transaction abnormally terminates with abend code AZAI.

User Response: The CICS client must carry out CCIN uninstall/install before the next CTIN install.

Destination: CSCC

Module: DFHZCT1

XMEOUT Parameters: *date, time, applid, netname*

DFHZC3208 E *date time applid* **Transaction CTIN - virtual terminal** *termid* **VTAM netname** *netname***. Model** *modelid* **cannot be found.**

Explanation: A CTIN install request has been received from a CICS client as a result of a CICS_EpiAddTerminal function or terminal emulator operation. However CICS was unable to find the model *modelid* which was specified in the CICS_EpiAddTerminal DEVTYPE parameter or terminal emulator ModelId parameter.

netname is the VTAM netname of the CICS client.

System Action: The request to install the virtual terminal is rejected. A response code of ERROR and a reason code of UNKNOWNMODEL is sent to the client.

User Response: Either correct the DevType in the CICS_EpiAddTerminal function or terminal emulator parameter or install a model of this name using RDO to define the autoinstall model with the RDO TERMINAL and TYPETERM definitions.

Destination: CSCC

Module: DFHZCT1

XMEOUT Parameters: *date, time, applid, termid, netname, modelid*

DFHZC3209 E *date time applid* **Transaction CTIN - VTAM netname** *netname***. CICS cannot supply a terminal name because all available names are in use.**

Explanation: A CTIN install request has been received from a CICS client as as a result of a CICS_EpiAddTerminal function or terminal emulator operation. The parameter list did not supply a NetName indicating that CICS should supply the name. However there are only 46,656 possible names available and they are all currently in use.

netname is the VTAM netname of the CICS client.

System Action:

The request to install the virtual terminal is rejected. A response code of ERROR and a reason code of INSTALLCANCELLED is sent to the client.

User Response: As CICS clients issue CTIN uninstalls for autoinstalled virtual terminals these termids will be freed.

It is possible that some of the CICS clients were switched off leaving autoinstalled virtual terminals around. When these are switched back on again they should issue CCIN install which will free the virtual terminals if they are not in use.

DISCARD can be used to delete a virtual terminal - but this should be done with discretion.

If the SIT VTPREFIX coincides with the first character of the termid allocated to a normal autoinstall terminal by the autoinstall URM (default DFHZATDX), there may be some names reserved because the autoinstall terminal existed when CTIN install tried to use the same name. Avoid doing this if possible because the only way to free these names is to restart CICS.

Destination: CSCC

Module: DFHZCT1

XMEOUT Parameters: *date, time, applid, netname*

DFHZC3210 E *date time applid* **Transaction CTIN - virtual terminal** *termid* **VTAM netname** *netname***. CICS cannot attach the CITS transaction.**

Explanation: A CTIN install request has been received from a CICS client as a result of a CICS_EpiAddTerminal function or terminal emulator operation. As part of the installation process the CITS transaction is called to create a virtual terminal *termid*. However CICS was unable to attach the CITS transaction.

netname is the VTAM netname of the CICS client.

System Action: Exception trace point AP3025 is written.

The request to install the virtual terminal is rejected. A response code of ERROR and a reason code of INSTALLCANCELLED is sent to the client.

User Response: Check that the CITS transaction and the DFHZATS program are defined correctly as specified in the DFHSPI IBM supplied group and are installed.

Destination: CSCC

Module: DFHZCT1

XMEOUT Parameters: *date, time, applid, termid, netname*

DFHZC3211 E *date time applid* **Transaction CTIN - virtual terminal** *termid* **VTAM netname** *netname***. The NetName parameter starts with an invalid character.**

Explanation: A CTIN install request has been received from a CICS client as a result of a CICS_EpiAddTerminal function or terminal emulator operation. The NetName parameter *termid* starts with a character that conflicts with CICS standards.

netname is the VTAM netname of the CICS client.

System Action: The request to install the virtual terminal is rejected. A response code of DISASTER and a reason code of INVALIDREQUEST is sent to the client.

User Response: Change the NetName to start with a different character. It can start with any character that is valid for a normal terminal name except for <,> or -. If the NetName was specified correctly, check the input to the CTIN transaction.

Destination: CSCC

Module: DFHZCT1

XMEOUT Parameters: *date, time, applid, termid, netname*

DFHZC3212 E *date time applid* **Transaction CTIN - virtual terminal** *termid* **VTAM netname** *netname***. The transaction has timed out waiting for CITS to run.**

Explanation: A CTIN install request has been received from a CICS client as a result of a CICS_EpiAddTerminal function or terminal emulator operation. As part of the installation process the CITS transaction is called to create virtual terminal *termid*. However the CTIN transaction has waited for two minutes for the CITS transaction to run.

netname is the VTAM netname of the CICS client.

System Action: Exception trace point AP3027 is written.

The request to install the virtual terminal is rejected. A response code of ERROR and a reason code of INSTALLCANCELLED is sent to the client.

User Response: Investigate why the CITS transaction was unable to start or was hanging.

You may need to increase MAXTASK or the CITS TRANCLASS allocation.

Destination: CSCC

Module: DFHZCT1

XMEOUT Parameters: *date, time, applid, termid, netname*

DFHZC3213 E *date time applid* **Transaction CTIN - virtual terminal** *termid* **VTAM netname** *netname***. CICS cannot attach the CDTS transaction.**

Explanation: A CTIN uninstall request has been received from a CICS client as a result of a CICS_EpiDelTerminal function or terminal emulator operation. As part of the delete process the CDTS transaction is called to delete virtual terminal *termid*. However CICS was unable to attach the CDTS transaction.

netname is the VTAM netname of the CICS client.

System Action: Exception trace point AP3028 is written. The attempt to delete the virtual terminal is rejected.

User Response: Check to see if the CDTS transaction and the DFHZATS program are defined correctly as specified in IBM supplied group DFHSPI and that they are installed.

Destination: CSCC

Module: DFHZCT1

XMEOUT Parameters: *date, time, applid, termid, netname*

DFHZC3214 E *date time applid* **Transaction CTIN - virtual terminal** *termid* **VTAM netname** *netname***. The CTIN transaction has timed out waiting for CDTS to run.**

Explanation: A CTIN uninstall request has been received from a CICS client as a result of a CICS_EpiDelTerminal function or terminal emulator operation. As part of the installation process the CDTS transaction is called to delete virtual terminal *termid*. However the CTIN transaction has waited for the CDTS transaction for two minutes and so ends with this message.

netname is the VTAM netname of the CICS client.

System Action: Exception trace point AP3029 is written. The CDTS attempt to delete the virtual terminal continues and will occur when the CDTS transaction starts or is 'unsuspended'.

User Response: Check to see why the CDTS transaction was unable to start or was hanging.

You may need to increase MAXTASK or the CDTS TRANCLASS allocation.

Destination: CSCC

Module: DFHZCT1

XMEOUT Parameters: *date, time, applid, termid, netname*

DFHZC3215 E *date time applid* **Transaction CTIN - virtual terminal** *termid* **VTAM netname** *netname***. The terminal is in use by another transaction.**

Explanation: A CTIN install request has been received from a CICS client as a result of a CICS_EpiAddTerminal function or terminal emulator operation. However the virtual terminal *termid* is in use, that is the surrogate TCTTE indicates that a transaction is still running against this terminal.

netname is the VTAM netname of the CICS client.

System Action: Exception trace point AP302E is written.

The request to install the virtual terminal is rejected. A response code of ERROR and a reason code of ALREADYINSTALLED is sent to the client.

User Response: Investigate why a transaction is still running for the virtual terminal.

Destination: CSCC

Module: DFHZCT1

XMEOUT Parameters: *date, time, applid, termid, netname*

DFHZC3216 E *date time applid* **Transaction CTIN - virtual terminal** *termid* **VTAM netname** *netname***. CICS cannot find the terminal.**

Explanation: A CTIN install request has been received from a CICS client as a result of a CICS_EpiAddTerminal function or terminal emulator operation. CTIN specified that a pre defined virtual terminal *termid* should be used, but CICS cannot find it and no ModelId was provided (DevType) so an autoinstall was not attempted.

netname is the VTAM netname of the CICS client.

System Action: The request to install the virtual terminal is rejected. A response code of ERROR and a reason code of UNKNOWNTERMINAL is sent to the client.

User Response: Ensure that there is an installed predefined terminal for *termid* that has a remote system parameter (REMOTESYSTem) specifying the name of this CICS clients connection and that the VTAM NETNAMEs match. Then install the definition with the correct parameters.

Destination: CSCC

Module: DFHZCT1

XMEOUT Parameters: *date, time, applid, termid, netname*

DFHZC3217 E *date time applid* **Transaction CTIN - VTAM netname** *netname***. The specified function is not valid.**

Explanation: A CTIN request has been received from a CICS client with a VTAM netname of *netname*. However the function specified was not INSTALL or UNINSTALL.

System Action: Exception trace point AP3034 is written. The CTIN transaction abnormally terminates with abend code AZAI.

User Response: Determine where the request originated. Ensure that the input has not been corrupted. You may need further assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CSCC

Module: DFHZCT1

XMEOUT Parameters: *date, time, applid, netname*

DFHZC3218 E *date time applid* **Transaction CTIN - virtual terminal** *termid* **VTAM netname** *netname***. A resource with the same name as the terminal is already installed.**

Explanation: A CTIN install request has been received from a CICS client as a result of a CICS_EpiAddTerminal function or terminal emulator operation. CTIN specified that a virtual terminal *termid* should be autoinstalled. However another resource was installed with the same name after the CTIN transaction had ensured that the name was free.

netname is the VTAM netname of the CICS client.

System Action: Exception trace point AP3026 is written.

The request to install the virtual terminal is rejected. A response code of ERROR and a reason code of ALREADYINSTALLED is sent to the client.

User Response: Investigate where the duplicate resource came from. It is possible that the terminal/APPC autoinstall URM created the name dynamically. If NetName was specified in the CTIN parameters, ensure that the CICS client names do not conflict with existing CICS terminal or connection names. If NetName was not specified, examine the SIT VTPREFIX override to check that the URM does not create names starting with the VTPREFIX character.

Destination: CSCC

Module: DFHZCT1

XMEOUT Parameters: *date, time, applid, termid, netname*

DFHZC3219 E *date time applid* **Transaction CTIN - virtual terminal** *termid* **VTAM netname** *netname***. The terminal is already in use.**

Explanation: A CTIN install request has been received from a CICS client as a result of a CICS_EpiAddTerminal function or terminal emulator operation. CTIN supplied a NetName *termid* but CICS found a resource with the same name which is either an existing virtual terminal for this client, an existing virtual terminal for another client or another CICS terminal or connection resource.

netname is the VTAM netname of the CICS client.

System Action: The request to install the virtual terminal is rejected. A response code of ERROR and a reason code of ALREADYINSTALLED is sent to the client.

User Response: Investigate where the duplicate resource came from. It is possible that the terminal/APPC autoinstall URM created the name dynamically and that the CICS client used a name that clashes with the URM.

It is also possible that a client created the virtual terminal and then tried to reuse it without an intervening uninstall, via CCIN or CTIN.

Destination: CSCC

Module: DFHZCT1

XMEOUT Parameters: *date, time, applid, termid, netname*

DFHZC3220 E *date time applid* **Transaction CTIN - virtual terminal** *termid* **VTAM netname** *netname***. The terminal has already been installed.**

Explanation: A CTIN install request has been received from a CICS client as a result of a CICS_EpiAddTerminal function or terminal emulator operation. CTIN specified that the virtual terminal *termid* should be autoinstalled. However, the virtual terminal was already installed.

netname is the VTAM netname of the CICS client.

System Action: The request to install the virtual terminal is rejected. A response code of ERROR and a reason code of ALREADYINSTALLED is sent to the client.

User Response: The CICS client should issue CTIN uninstall before any attempt to issue another CTIN install for the same NetName.

Destination: CSCC

Module: DFHZCT1

XMEOUT Parameters: *date, time, applid, termid, netname*

DFHZC3221 E *date time applid* **Transaction CTIN - virtual terminal** *termid* **VTAM netname** *netname***. The name specified is already in use by another CICS resource.**

Explanation: A CTIN install request has been received from a CICS client as a result of a CICS_EpiAddTerminal function or terminal emulator operation. CTIN specified that the virtual terminal *termid* should be autoinstalled. However, the name specified is already in use by another CICS resource.

netname is the VTAM netname of the CICS client.

System Action: The request to install the virtual terminal is rejected. A response code of ERROR and a reason code of ALREADYINSTALLED is sent to the client.

User Response: Investigate where the duplicate resource came from. It is possible that the terminal/APPC autoinstall URM created the name dynamically.

If NetName was specified on the CTIN install ensure that NetName does not conflict with other CICS resources.

If NetName was not specified, examine the SIT VTPREFIX override to check that the URM does not create names starting with the VTPREFIX character.

Destination: CSCC

Module: DFHZCT1

XMEOUT Parameters: *date, time, applid, termid, netname*

DFHZC3222 E *date time applid* **Transaction CTIN - virtual terminal** *termid* **VTAM netname** *netname***. The CITS task has terminated abnormally.**

Explanation: A CTIN install request has been received from a CICS client as a result of a CICS_EpiAddTerminal function or terminal emulator operation. CICS attempted to autoinstall the virtual terminal *termid*. However, the CITS task which was attached to install the virtual terminal, abended.

If this ABEND was an AZVE, this is because a resource already exists with that name. However, this only occurs if the duplicate resource was added after this CTIN transaction started and checked for any duplicate.

netname is the VTAM netname of the CICS client.

System Action: Exception trace point AP3030 is written.

The request to install the virtual terminal is rejected. A response code of ERROR and a reason code of INSTALLCANCELLED is sent to the client.

User Response: Investigate where the duplicate resource came from. It is possible that the terminal/APPC autoinstall URM created the name dynamically.

If NetName was specified on the CTIN install, ensure that the names do not conflict.

If NetName was not specified, examine the SIT VTPREFIX override to check that the URM does not create names starting with the VTPREFIX character.

For any other abend, see the description of the abend code for further guidance.

Destination: CSCC

Module: DFHZCT1

XMEOUT Parameters: *date, time, applid, termid, netname*

DFHZC3223 E *date time applid* **Transaction CTIN - virtual terminal** *termid* **VTAM netname** *netname***. The surrogate TCTTE is in use and cannot be deleted.**

Explanation: A CTIN uninstall request has been received from a CICS client as a result of a CICS_EpiDelTerminal function or terminal emulator operation. However, the surrogate TCTTE attached to the virtual terminal is still in use and cannot be deleted.

netname is the VTAM netname of the CICS client.

System Action: Exception trace point AP302F is written. The attempt to delete the virtual terminal is rejected.

User Response: Either wait for the transaction to finish or PURGE the transaction. Once the transaction has ended the virtual terminal will be deleted when the client issues CCIN install or uninstall.

Destination: CSCC

Module: DFHZCT1

XMEOUT Parameters: *date, time, applid, termid, netname*

DFHZC3224 E *date time applid* **Transaction CTIN - virtual terminal** *termid* **VTAM netname** *netname***. The terminal specified for deletion cannot be found.**

Explanation: A CTIN uninstall request has been received from a CICS client as a result of a CICS_EpiDelTerminal function or terminal emulator operation. However the virtual terminal *termid* does not exist as a remote terminal for this CICS client.

netname is the VTAM netname of the CICS client.

System Action: The attempt to delete the virtual terminal is rejected.

User Response: Determine why a CICS client requested that a non existent virtual terminal be deleted.

If the CTIN uninstall was issued correctly and the virtual terminal should exist, examine the CICS log for message DFHZC5966 and for DFHZC32*xx* messages referring to this terminal.

Destination: CSCC

Module: DFHZCT1

XMEOUT Parameters: *date, time, applid, termid, netname*

DFHZC3225 E *date time applid* **Transaction CTIN - VTAM netname** *netname***. The terminal cannot be deleted because the NetName parameter is missing.**

Explanation: A CTIN uninstall request has been received from a CICS client as a result of a CICS_EpiDelTerminal function or terminal emulator operation. However the NetName parameter, defining which virtual terminal is to be deleted, is missing.

netname is the VTAM netname of the CICS client.

System Action: Exception trace point AP3037 is written – data 2 contains the data received. The attempt to delete the virtual terminal is rejected.

User Response: Examine the input to CTIN. You may need further assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CSCC

Module: DFHZCT1

XMEOUT Parameters: *date, time, applid, netname*

DFHZC3226 E *date time applid* **Transaction CTIN - virtual terminal** *termid* **VTAM netname** *netname***. CICS cannot access the builder parameter set.**

Explanation: A CTIN install request has been received from a CICS client as a result of a CICS_EpiAddTerminal function or terminal emulator operation. CICS is attempting to extract the details from the virtual terminal that has just been created and return them back to the CICS client. However the attempt to extract the details in the form of a builder parameter set (BPS) failed.

netname is the VTAM netname of the CICS client.

System Action: Exception trace point AP3031 is written.

The request to install the virtual terminal is rejected. A response code of ERROR and a reason code of INSTALLCANCELLED is sent to the client.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CSCC

Module: DFHZCT1

XMEOUT Parameters: *date, time, applid, termid, netname*

DFHZC3227 E *date time applid* **Transaction CTIN - VTAM netname** *netname***. The client data is longer than expected.**

Explanation: A CTIN install request has been received from a CICS client as a result of a CICS_EpiAddTerminal function or terminal emulator operation. However the data received was longer than expected. *netname* is the VTAM netname of the CICS client.

System Action: Exception trace point AP302D is written – data 2 contains the length that was received. The CTIN transaction abnormally terminates with abend code AZAI.

User Response: Examine the data sent to CICS from the CICS client. You may need to contact IBM for assistance. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CSCC

Module: DFHZCT1

XMEOUT Parameters: *date, time, applid, netname*

DFHZC3228 E *date time applid* **Transaction CTIN - VTAM netname** *netname***. The client header data contains an invalid group.**

Explanation: A CTIN install request has been received from a CICS client as a result of a CICS_EpiAddTerminal function or terminal emulator operation. However the header contains an invalid group. *netname* is the VTAM netname of the CICS client.

System Action: Exception trace point AP3024 is written – data 2 contains the data received. The CTIN transaction abnormally terminates with abend code AZAI.

User Response: Examine the data sent to CICS from the CICS client. You may need to contact IBM for assistance. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CSCC

Module: DFHZCT1

XMEOUT Parameters: *date, time, applid, netname*

DFHZC3229 E *date time applid* **Transaction CTIN - VTAM netname** *netname***. CICS has received invalid data from the client.**

Explanation: A CTIN install request has been received from a CICS client as a result of a CICS_EpiAddTerminal function or terminal emulator operation. CICS attempted to parse this data but found a discrepancy between the number of parameters, the length of the parameters and the length of the data received. *netname* is the VTAM netname of the CICS client.

System Action: Exception trace point AP3033 is written – data 2 contains the data received. The CTIN transaction abnormally terminates with abend code AZAI.

User Response: Examine the data sent to CICS from the CICS client. You may need further assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CSCC

Module: DFHZCT1

XMEOUT Parameters: *date, time, applid, netname*

DFHZC3230 E *date time applid* **Transaction CTIN - VTAM netname** *netname***. CICS has received a client request on an unsupported sync level.**

Explanation: A CTIN request has been received on a conversation which is not at synchronization level 0 or 1. *netname* is the VTAM netname of the CICS client.

System Action: Exception trace point AP302B is written. The CTIN transaction abnormally terminates with abend code AZAI.

User Response: Ensure that the CICS client converses at sync level 0 or 1.

Destination: CSCC

Module: DFHZCT1

XMEOUT Parameters: *date, time, applid, netname*

DFHZC3231 E *date time applid* **Transaction CTIN - VTAM netname** *netname***. The client header data contains an invalid version number.**

Explanation: A CTIN install request has been received from a CICS client as a result of a CICS_EpiAddTerminal function or terminal emulator operation. However there is an invalid version number in the header. *netname* is the VTAM netname of the CICS client.

System Action: Exception trace point AP3036 is written – data 2 contains the data received. The CTIN transaction abnormally terminates with abend code AZAI.

User Response: Since the version used in the CICS client must match with the version used by the server, one or the other is at the wrong level and should be changed. You may need further assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CSCC

Module: DFHZCT1

XMEOUT Parameters: *date, time, applid, netname*

DFHZC3240 E *date time applid* **Transaction CCIN - VTAM netname** *netname***. CICS has received a client request on an unsupported sync level.**

Explanation: A CCIN request has been received on a conversation which is not at synchronization level 0 or 1. *netname* is the VTAM netname of the CICS client.

System Action: Exception trace point AP3003 is written. The CCIN transaction abnormally terminates with abend code AZAF.

User Response: Ensure that the CICS client converses at sync level 0 or 1.

Destination: CSCC

Module: DFHZCN1

XMEOUT Parameters: *date, time, applid, netname*

DFHZC3241 E *date time applid* **Transaction CCIN - VTAM netname** *netname***. The client data is longer than expected.**

Explanation: A CCIN install request has been received from a CICS client. However the data received was longer than expected. *netname* is the VTAM netname of the CICS client.

System Action: Exception trace point AP3004 is written – data 2 contains the length that was received. The CCIN transaction abnormally terminates with abend code AZAF.

User Response: Examine the data sent to CICS from the CICS client. You may need further assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CSCC

Module: DFHZCN1

XMEOUT Parameters: *date, time, applid, netname*

DFHZC3242 E *date time applid* **Transaction CCIN - VTAM netname** *netname***. The client header data contains an invalid group.**

Explanation: A CCIN request has been received from a CICS client. However there is an invalid group in the header. *netname* is the VTAM netname of the CICS client.

System Action: Exception trace point AP3002 is written – data 2 contains the data received. The CCIN transaction abnormally terminates with abend code AZAF.

User Response: Examine the data sent to CICS from the CICS client.

Destination: CSCC

Module: DFHZCN1

XMEOUT Parameters: *date, time, applid, netname*

DFHZC3243 E *date time applid* **Transaction CCIN - VTAM netname** *netname***. The client header data contains an invalid version number.**

Explanation: A CCIN install request has been received from a CICS client. However the header contains an invalid version value. *netname* is the VTAM netname of the CICS client.

Either the CICS client is setting up the CCIN header incorrectly or a new version of the CICS client software is being used which is not supported on CICS Transaction Server for OS/390 Release 3.

System Action: Exception trace point AP300B is written – data 2 contains the data received. The CCIN transaction abnormally terminates with abend code AZAF.

User Response: Since the version used in the CICS client must match with the version used by the server, one or the other is at the wrong level and should be changed. You may need further assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CSCC

Module: DFHZCN1

XMEOUT Parameters: *date, time, applid, netname*

DFHZC3244 E *date time applid* **Transaction CCIN - VTAM netname** *netname***. The client header data contains an invalid function.**

Explanation: A CCIN request has been received from a CICS client. However there is an invalid function in the header. *netname* is the VTAM netname of the CICS client.

System Action: Exception trace point AP3002 is written - data 2 contains the data received. The CCIN transaction abnormally terminates with abend code AZAF.

User Response: Investigate why the CICS client has sent an unknown function call to CCIN. You may need further assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CSCC

Module: DFHZCN1

XMEOUT Parameters: *date, time, applid, netname*

DFHZC3245 E *date time applid* **Transaction CCIN - VTAM netname** *netname***. The capabilities parameter has not been specified.**

Explanation: A CCIN transaction has been run from a CICS client. One of the parameters which must be supplied is the CAPABILITIES parameter which specifies the capabilities the CICS client can support. This parameter is missing.

netname is the VTAM netname of the CICS client.

System Action: The request to install a CICS client is rejected. A response code of DISASTER and a reason code of INVALIDREQUEST is sent to the client.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CSCC

Module: DFHZCN1

XMEOUT Parameters: *date, time, applid, netname*

DFHZC3246 *date time applid* **Transaction CCIN - virtual terminal** *termid* **VTAM netname** *netname***. CICS cannot attach the CDTS transaction.**

Explanation: A CCIN request has been received from a CICS client. As part of the processing, the CDTS transaction was called to delete virtual terminal *termid*. However CICS was unable to attach the CDTS transaction.

netname is the VTAM netname of the CICS client.

System Action: The attempt to delete the virtual terminal fails. If this is a CCIN install request, the install continues.

User Response: Ensure that the CDTS transaction and the DFHZATS program are defined correctly as specified in IBM supplied group DFHSPI and that they are installed.

Destination: CSCC

Module: DFHZCN2

XMEOUT Parameters: *date, time, applid, termid, netname*

DFHZC3247 *date time applid* **Transaction CCIN - virtual terminal** *termid* **VTAM netname** *netname***. The CCIN transaction has timed out waiting for CDTS to run.**

Explanation: A CCIN request has been received from a CICS client. As part of the processing, the CDTS transaction is called to delete virtual terminal *termid.* However the CCIN transaction has waited for the CDTS transaction for two minutes and has timed out.

netname is the VTAM netname of the CICS client.

System Action: The CDTS attempt to delete the virtual terminal continues and occurs when the CDTS transaction starts or is 'unsuspended'.

If this is a CCIN install request, the install continues.

User Response: Check to see why the CDTS transaction was unable to start or was hanging.

You may need to increase MAXTASK or the CITS TRANCLASS allocation.

Destination: CSCC

Module: DFHZCN2

XMEOUT Parameters: *date, time, applid, termid, netname*

DFHZC3248 E *date time applid* **Transaction CCIN - virtual terminal** *termid* **VTAM netname** *netname***. The surrogate TCTTE is in use and cannot be deleted.**

Explanation: A CCIN request has been received from a CICS client. There should not be any virtual terminals installed, however, one or more were located. The surrogate TCTTE attached to the virtual terminal is still in use and cannot be deleted. If this was caused by an immediate shut down of the client the transaction abend might not have completed before CICS attempted to delete the client.

netname is the VTAM netname of the CICS client.

System Action: Exception trace point AP301C is written. The attempt to delete the virtual terminal is rejected.

If this is a CCIN install request, the install continues.

User Response: Determine why the virtual terminal was installed when CCIN was run.

Either wait for the transaction to finish or PURGE the transaction. Once the transaction completes the virtual terminall will be deleted at the next CCIN install/uninstall.

Destination: CSCC

Module: DFHZCN2

XMEOUT Parameters: *date, time, applid, termid, netname*

DFHZC3249 E *date time applid* **Transaction CCIN - VTAM netname** *netname***. CICS has received invalid data from the client.**

Explanation: A CCIN install request has been received from a CICS client. CICS attempted to parse this data but found a discrepancy between the number of parameters, the length of the parameters, and the length of the data received. *netname* is the VTAM netname of the CICS client.

System Action: Exception trace point AP300E is written – data 2 contains the data received. The CCIN transaction abnormally terminates with abend code AZAF.

User Response: Examine the data sent to CICS from the CICS client. You may need further assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CSCC

Module: DFHZCN1

XMEOUT Parameters: *date, time, applid, netname*

DFHZC3400 E *date time applid termid tranid* **Chain exceeds max chain size.** *sense* **((***instance***) Module name: {DFHZRAC | DFHZRVS | DFHZRVX})**

Explanation: If chain assembly (BUILDCHAIN) has been specified in the TCTTE, the chain being assembled does not fit into the IOAREALEN for a maximum chain (IOAREALEN Value 2). The remaining space in the IOAREALEN for a maximum chain is smaller than the maximum RECEIVESIZE.

If chain assembly (BUILDCHAIN) has been specified in the TCTTE, but maximum chain value equals zero, either the maximum chain value has been set incorrectly at build time or the value has been overwritten.

For the meaning of the sense data, see the explanation on page 678.

System Action: If a task is attached, it is abnormally terminated with a transaction dump.

User Response: Ensure that the maximum chain size, generated in CEDA TYPETERM with IOAREALEN (value 2) keyword, is large enough for the maximum chain expected.

Destination: CSNE

Modules: DFHZRVS, DFHZRVX, DFHZRAC

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZRVS, 2=DFHZRVS, 3=DFHZRVS, 4=DFHZRVS, 5=DFHZRVS, 6=DFHZRVX, 7=DFHZRAC, 8=DFHZRAC}*

DFHZC3401 I *date time applid termid tranid* **Resource now available.** *sense* **((***instance***) Module name: {DFHZNAC})**

Explanation: A resource of the logical unit (LU) is now available. It had previously been temporarily unavailable or had required intervention.

For the meaning of the sense data, see the explanation on page 678.

System Action: Any outstanding read or write operation is retried.

User Response: None.

Destination: CSNE

Module: DFHZNAC

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZNAC}*

DFHZC3402 E *date time applid termid tranid* **Invalid READ with outbound chain control.** *sense* **((***instance***) Module name: {DFHZRVS})**

Explanation: A DFHTC TYPE=READ request is being processed, although the previously issued DFHTC TYPE=WRITE request did not complete a chain.

For the meaning of the sense data, see the explanation on page 678.

System Action: All outstanding receive requests are purged. If a task is attached, it is abnormally terminated with a transaction dump.

User Response: Correct the application program.

Destination: CSNE

Module: DFHZRVS

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZRVS}*

DFHZC3405 E *date time applid termid tranid* **Catastrophic bracket error.** *sense* **((***instance***) Module name: {DFHZNAC})**

Explanation: The logical unit detected a failure of CICS to enforce bracket rules.

For the meaning of the sense data, see the explanation on page 678.

System Action: All outstanding send and receive requests are purged. If a task is attached, it is abnormally terminated with a transaction dump. The session is terminated.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Use the symptom string, a VTAM trace, and if necessary the dump, to determine the source of the problem.

Destination: CSNE

Module: DFHZNAC

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZNAC}*

DFHZC3406 E *date time applid termid tranid* **Parameter error.** *sense* **((***instance***) Module name: {DFHZNAC})**

Explanation: The request/response unit (RU) received by the logical unit (LU) contains a control function with invalid parameters.

For the meaning of the sense data, see the explanation on page 678.

System Action: All send and receive requests are purged. If a task is attached, it is abnormally terminated with a transaction dump. A portion of the TIOA is put to the CSNE log.

User Response: Correct the application program.

Destination: CSNE

Module: DFHZNAC

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZNAC}*

DFHZC3407 E *date time applid termid tranid* **READ command does not carry change direction indicator.** *sense* **((***instance***) Module name: {DFHZNAC})**

Explanation: A request for input (for example, a READBUF command) sent to a logical unit (LU) type 2 (3270 compatibility mode logical unit) must carry the SNA change direction indicator. The LU has received such a request, but the indicator is not set.

Since the setting of the change direction indicator is controlled by terminal control, this message indicates that an internal logic error may have occurred. The error is not necessarily in terminal control, but may be in the logical unit or some other element of the network.

For the meaning of the sense data, see the explanation on page 678.

System Action: The task and the VTAM session for the logical unit are abnormally terminated.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Identify the request that caused the error, and locate the element of the network responsible.

Destination: CSNE

Module: DFHZNAC

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZNAC}*

DFHZC3408 E *date time applid termid tranid* **Presentation space integrity lost.** *sense* **((***instance***) Module name: {DFHZNAC})**

Explanation: The contents of data for screen presentation by a logical unit has been altered. This is usually due to operator action. For example, the TEST/NORMAL key may have been used or the 3270 SYS REQ key may have been pressed.

It may also have been caused by factors other than operator action, for example, 3270 regeneration buffer failure.

For the meaning of the sense data, see the explanation on page 678.

System Action: Any outstanding requests are canceled. If a task is attached, it is abnormally terminated with a transaction dump.

User Response: Determine reason for failure at the remote terminal.

Destination: CSNE

Module: DFHZNAC

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZNAC}*

DFHZC3409 E *date time applid termid tranid* **Unexpected negative response received.** *sense* **((***instance***) Module name: {DFHZRAC})**

Explanation: CICS received a negative response to a command for which a negative response would not normally be expected.

For the meaning of the sense data, see the explanation on page 678.

System Action: All outstanding send and receive requests are purged. If a task is attached, it is abnormally terminated with a transaction dump. The node is placed out of service and the TCTTE, RPL, and action flags are logged to CSNE.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Ensure that the application programs running concurrently do not alter the TCTTE. Check that the SNA flows on the session are valid and that the logical unit is not violating SNA protocols.

Destination: CSNE

Module: DFHZRAC

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZRAC}*

DFHZC3410 E *date time applid termid tranid* **Invalid input when LU status expected.** *sense* **((***instance***) Module name: {DFHZRVX})**

Explanation: Input (other than a logical unit status message) was received after a request was rejected with a system sense code indicating a possibly rectifiable error condition at the terminal node: for example, Intervention Required. The subsequent LU status message indicates that the error situation has now been corrected, or that the request is permanently not executable.

For the meaning of the sense data, see the explanation on page 678.

System Action: If a task is attached, it is abnormally terminated with a transaction dump.

User Response: Conform to SNA protocol by ensuring that the next transmission is an LUSTATUS message with a system sense for either Resource Available (0001) or Function Not Executable (081C).

Destination: CSNE

Module: DFHZRVX

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZRVX, 2=DFHZRVX, 3=DFHZRVX}*

DFHZC3411 E *date time applid termid tranid* **Resource temporarily unavailable.** *sense* **((***instance***) Module name: {DFHZNAC})**

Explanation: A terminal resource required to complete a request is temporarily unavailable.

For the meaning of the sense data, see the explanation on page 678.

System Action: The request is retried unless the device is one that sends an LUSTATUS message after receiving a “resource temporarily unavailable” notification.

If “resource temporarily unavailable” notification is received, an associated VTAM message is usually issued.

User Response: Refer to the associated VTAM message, if applicable, and follow the guidance provided.

Destination: CSNE

Module: DFHZNAC

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZNAC}*

DFHZC3412 E *date time applid termid tranid* **Intervention required on secondary resource.** *sense* **((***instance***) Module name: {DFHZNAC})**

Explanation: Operator action is requested for the secondary resource of a logical unit (LU). However, no such resource is immediately available. In the case of a 3270-compatible LU, this message means that the printer most likely to be available for a PRINT request has an Intervention Required status.

For the meaning of the sense data, see the explanation on page 678.

System Action: The system waits for a logical unit status message and, when this is received, takes appropriate system action.

User Response: Correct the problem that relates to the device.

Destination: CSNE

Module: DFHZNAC

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZNAC}*

DFHZC3413 E *date time applid termid tranid* **Logical Unit busy.** *sense* **((***instance***) Module name: {DFHZNAC})**

Explanation: The logical unit has rejected a request because its resources are busy (for example, it is communicating with the system services control point (SSCP)), and thus is unable to process the request.

For the meaning of the sense data, see the explanation on page 678.

System Action: The system waits for a logical unit status message and then takes appropriate action.

User Response: None.

Destination: CSNE

Module: DFHZNAC

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZNAC}*

DFHZC3414 E *date time applid termid tranid* **Request not executable. Secondary resource unavailable.** *sense* **((***instance***) Module name: {DFHZNAC})**

Explanation: The secondary resource of a logical unit is permanently unavailable to complete a request. For a 3270-compatible LU, this means that a printer was not available for a PRINT request.

For the meaning of the sense data, see the explanation on page 678.

System Action: All outstanding send and receive requests are purged. If a task is attached, it is abnormally terminated with a transaction dump.

User Response: Determine the reason why the resource is not available at the remote terminal.

Destination: CSNE

Module: DFHZNAC

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZNAC}*

DFHZC3415 E *date time applid termid tranid* **No data available.** *sense* **((***instance***) Module name: {DFHZNAC})**

Explanation: A receive request has been rejected by the logical unit because it has no data to send for one of the following reasons:

- The device is not capable of input (for instance, it is a printer)
- The logical unit is not capable of sending data at the time. For example, a requested 3790 data set is not available at the time.

For the meaning of the sense data, see the explanation on page 678.

System Action: The receive request is halted. If a task is attached, it is abnormally terminated with a transaction dump.

User Response: Verify that the request was issued to the correct device and that the device is capable of data transmission.

Destination: CSNE

Module: DFHZNAC

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZNAC}*

DFHZC3416 E *date time applid termid tranid* **Session failure. A connection request for an invalid node** *nodeid* **could not be terminated.** *sense* **((***instance***) Module name: {DFHZSCX})**

Explanation: The requested logon was to be rejected, but the attempt to send a negative response was rejected by VTAM.

For the meaning of the sense data, see the explanation on page 678.

System Action: No further attempts are made to communicate with the invalid node.

User Response: Inspect the CSNE, CSMT and CSTL logs for an indication of a VTAM storage problem or error message. Determine whether the node was invalid. If it was valid, update the CICS TCT for that node.

Destination: CSNE

Module: DFHZNAC

XMEOUT Parameters: *date, time, applid, termid, tranid, nodeid, sense, instance, {1=DFHZSCX}*

DFHZC3417 E *date time applid termid tranid* **Session processing error. A request for synchronization has been ignored.** *sense* **((***instance***) Module name: {DFHZSDR})**

Explanation: A request for a sync point to be taken was ignored. COMMIT or ABORT has not been issued.

For the meaning of the sense data, see the explanation on page 678.

System Action: If a task is attached, it is abnormally terminated with a transaction dump.

User Response: To determine the cause of the problem, inspect the CSNE, CSMT and CSTL logs for further diagnostic information. Also inspect transaction *tranid*.

Destination: CSNE

Module: DFHZSDR

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZSDR}*

DFHZC3418 E *date time applid termid tranid* **System generation error. The** *netname* **logon request was rejected.** *sense* **((***instance***) Module name: {DFHZBLX | DFHZLGX | DFHZSCX})**

Explanation: A logon request was rejected because the TCTTE for the ISC session had been generated with an incompatible SESSIONTYPE.

For the meaning of the sense data, see the explanation on page 678.

System Action: The request is rejected.

User Response: Change the TCTTE generation to specify a secondary logical unit at one end of the connection, and a primary logical unit at the other end.

A primary logical unit should have SESSIONTYPE=SEND or SESSIONTYPE=FASTSEND, and a secondary logical unit should have SESSIONTYPE=RECEIVE or SESSIONTYPE=FASTRECV.

Destination: CSNE

Modules: DFHZSCX, DFHZLGX, DFHZBLX

XMEOUT Parameters: *date, time, applid, termid, tranid, netname, sense, instance, {1=DFHZSCX, 2=DFHZBLX, 3=DFHZLGX}*

DFHZC3419 E *date time applid termid tranid* **Session failure. The bind parameter for node** *netname* **is unacceptable.** *sense* **((***instance***) Module name: {DFHZBLX | DFHZSCX | RESERVE})**

Explanation: A connection request was rejected because the characteristics specified for the connecting system were unacceptable.

Possible reasons for the rejection are:

- For a MEMBER name connection, the network identifier (NETID) passed to CICS is different from that already stored in the system entry (instance 39).
- For a MEMBER name connection, the GRNAME specified in the sessions bind - UDSS04 - is different from that already stored in the system entry (instance 40).

- For a GR name connection, the network identifier (NETID) passed to CICS is different from that already stored in the connections system entry (instance 41).

For the meaning of the sense data, see the explanation on page 678.

System Action: The request is rejected. The bind parameter is printed on the CSNE log.

User Response: Determine whether the connecting system has specified its characteristics correctly. If it has not, correct the requesting system.

Destination: CSNE

Module: DFHZSCX

XMEOUT Parameters: *date, time, applid, termid, tranid, netname, sense, instance, {1=RESERVE, 2=DFHZBLX, 3=DFHZSCX, 4=DFHZSCX, 5=DFHZBLX, 6=DFHZBLX, 7=DFHZSCX, 8=DFHZBLX, 9=DFHZBLX, 10=DFHZBLX, 11=DFHZBLX, 12=DFHZBLX, 13=DFHZBLX, 14=DFHZBLX, 15=DFHZBLX, 16=DFHZBLX, 17=DFHZBLX, 18=DFHZBLX, 19=DFHZSCX, 20=DFHZBLX, 21=DFHZBLX, 22=DFHZBLX, 23=DFHZBLX, 24=DFHZBLX, 25=DFHZBLX, 26=DFHZBLX, 27=DFHZBLX, 28=DFHZBLX, 29=DFHZSCX, 30=DFHZBLX, 31=DFHZBLX, 32=DFHZBLX, 33=DFHZBLX, 34=DFHZBLX, 35=DFHZBLX, 36=DFHZBLX, 37=DFHZBLX, 38=DFHZBLX, 39=DFHZBLX, 40=DFHZBLX, 41=DFHZBLX}*

DFHZC3420 E *date time applid termid tranid* **Session connection error. Node** *netname* **is out of service.** *sense* **((***instance***) Module name: {DFHZBLX | DFHZOPN})**

Explanation: A logon request was rejected because the TCTTE is out of service.

For the meaning of the sense data, see the explanation on page 678.

System Action: The request is rejected.

User Response: Place the terminal in service by using the master terminal program and reissuing the connection request.

Destination: CSNE

Modules: DFHZSCX, DFHZOPN, DFHZBLX

XMEOUT Parameters: *date, time, applid, termid, tranid, netname, sense, instance, {1=DFHZOPN, 2=DFHZBLX, 3=DFHZBLX}*

DFHZC3421 E *date time applid termid tranid* **Session shutdown request received. Node** *netname* **is receiving orderly shutdown.** *sense* **((***instance***) Module name: {DFHZASX})**

Explanation: A shutdown request was received for the system. An orderly termination procedure has begun.

For the meaning of the sense data, see the explanation on page 678.

System Action: Orderly termination of the session is started. Access to the remote system is stopped after the current transaction has finished.

User Response: None.

Destination: CSNE

Module: DFHZASX

XMEOUT Parameters: *date, time, applid, termid, tranid, netname, sense, instance, {1=DFHZASX}*

DFHZC3422 E *date time applid termid tranid* **Connection failure. Request rejected before a session could be started.** *sense* **((***instance***) Module name: {DFHZNSP})**

Explanation: An error occurred while trying to connect the two systems. The request was terminated before a session had been established.

For the meaning of the sense data, see the explanation on page 678.

System Action: The request is terminated.

User Response: Determine the cause of the problem by inspecting the VTAM logs. If the problem is due to a shortage of storage or another temporary error, reissue the request when the system is less heavily loaded.

Destination: CSNE

Module: DFHZNSP

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZNSP, 2=DFHZNSP}*

DFHZC3423I *date time applid termid tranid* **FM function not supported. A function requested in an FMD RU is not supported by the receiver.** *sense* **((***instance***) Module Name: {DFHZNAC})**

Explanation: CICS has received a negative response (VTAM sense code 0826). The receiver does not support the function requested by the sender.

For the meaning of the sense data, see the explanation on page 678.

System Action: All outstanding SENDs and RECEIVEs are purged. If a task is attached, it is abnormally terminated with a transaction dump.

User Response: Investigate the reason for issuing a request for a function that the receiver does not support.

Destination: CSNE

Module: DFHZNAC

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZNAC}*

DFHZC3424 E *date time applid termid tranid* **Session failure. Session terminated immediately.** *sense* **((***instance***) Module name: {DFHZNSP})**

Explanation: Communication with a node was interrupted during a session because a session outage was detected, or because a VTAM VARY INACT command was issued.

Error messages produced for the same session after this message may be caused by the session failure and may not be the reason for it. If this is the case, they can be ignored.

For the meaning of the sense data, see the explanation on page 678.

System Action: The session is canceled. The session may be recovered later by VTAM. See also messages DFHZC2409 and DFHZC2410.

User Response: Check if the failure was caused by an operator-issued VTAM VARY INACT. If this is not the case, use the sense data and any associated messages to investigate the reason for the failure.

Destination: CSNE

Module: DFHZNSP

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZNSP, 2=DFHZNSP, 3=DFHZNSP}*

DFHZC3426 E *date time applid termid tranid* **Resource unknown.** *sense* **((***instance***) Module name: {DFHZNAC})**

Explanation: During intersystem connection, no matching TCTTE could be found.

For the meaning of the sense data, see the explanation on page 678.

System Action: The request is terminated.

User Response: Ensure that the name of the requested TCTTE is correctly specified in the requesting system.

Destination: CSNE

Module: DFHZNAC

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZNAC}*

DFHZC3427 E *date time applid termid tranid* **Invalid parameter in bind area.** *sense* **((***instance***) Module name: {DFHZNAC})**

Explanation: During intersystem connection, either one or more parameters contained in the bind area of the request were invalid, or were not supported.

For the meaning of the sense data, see the explanation on page 678.

System Action: The request is terminated.

User Response: Determine which parameters in the bind area are incorrect, and correct them.

Destination: CSNE

Module: DFHZNAC

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZNAC}*

DFHZC3429 E *date time applid termid tranid* **Resynch error - CICS did not resynchronize, other logical unit was expecting resynch.** *sense* **((***instance***) Module name: {DFHZRSY | DFHZSYX})**

Explanation: CICS did not go through a resynchronization process that was expected to occur by the other LU.

For the meaning of the sense data, see the explanation on page 678.

System Action: Processing continues.

User Response: Check whether this resynchronization mismatch is acceptable.

Destination: CSNE

Modules: DFHZRSY, DFHZSYX

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZRSY, 2=DFHZRSY, 3=DFHZRSY, 4=DFHZRSY, 5=DFHZSYX}*

DFHZC3433 E *date time applid termid tranid* **FMH7 was received on ISC session. Sense code is :** *xxxxxxxx{Error log data is : | No error log data received. | No error log data available. }xxxxxxxx sense* **((***instance***) Module name: {DFHZERH | DFHZRAC | DFHZRVX})**

Explanation: The transaction is communicating with a logical unit (LU) type LU6.1 or LU6.2.

The logical unit sent an FMH7 which may carry error log data. If error log data is included, then the text is inserted in this message.

For the meaning of the sense data, see the explanation on page 678.

System Action: The action taken depends upon the sense code.

User Response: If the receiving transaction is designed to handle this situation, no action is necessary. However, if this is not the case, use the sense code and any error log data to determine why the connected logical unit sent the FMH7.

If the connected LU is another CICS system, the error log data is a CICS message.

If the connected LU is not a CICS system, see that product's documentation for details of error log data. Some products permit the user to define the contents of error log data.

Destination: CSNE

Modules: DFHZRVX, DFHZRAC, DFHZERH

XMEOUT Parameters: *date, time, applid, termid, tranid, xxxxxxxx, {1= Error log data is : , 2=No error log data received. , 3=No error log data available. }, xxxxxxxx, sense, instance, {1=DFHZRVX, 2=DFHZRAC, 3=DFHZRAC, 4=DFHZERH}*

DFHZC3434 E *date time applid termid tranid* **Unbind received while session still active.** *sense* **((***instance***) Module name: {DFHZSCX})**

Explanation: One side of the intersystem link (secondary) received an unbind command without normal termination protocol being observed. This means an abnormal termination of the session was performed, possibly caused by the other side of the intersystem link abnormally terminating.

For the meaning of the sense data, see the explanation on page 678.

System Action: The session is terminated.

User Response: Determine the cause of the termination by using CICS Trace and the diagnostic information available on the CSNE log. Try to reestablish the session.

Destination: CSNE

Module: DFHZSCX

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZSCX, 2=DFHZSCX, 3=DFHZSCX, 4=DFHZSCX, 5=DFHZSCX, 6=DFHZSCX, 7=DFHZSCX, 8=DFHZSCX, 9=DFHZSCX, 10=DFHZSCX}*

DFHZC3435 E *date time applid termid tranid* **Path error detected. Device cannot be contacted.** *sense* **((***instance***) Module name: {DFHZNAC})**

Explanation: VTAM can no longer transmit to a device because there is no access path to that device. This usually occurs because the device or 3270 has been powered off.

For the meaning of the sense data, see the explanation on page 678.

System Action: All outstanding send and receive requests are purged. If a task is attached, it is abnormally terminated with a transaction dump. Communication with the node is terminated by issuing a VTAM CLSDST macro, and the node is placed out of service. The session is terminated.

User Response: Determine the cause of the termination. Try to reestablish the session.

Destination: CSNE

Module: DFHZNAC

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZNAC}*

DFHZC3436 E *date time applid termid tranid* **End user not authorized.** *sense* **((***instance***) Module name: {DFHZNAC})**

Explanation: A sense code has been received specifying that an unauthorized request was made to the remote node. The request was rejected.

For the meaning of the sense data, see the explanation on page 678.

System Action: The session is terminated.

User Response: Determine why the end user is not authorized to perform the request.

Destination: CSNE

Module: DFHZNAC

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZNAC}*

DFHZC3437 I *date time applid termid tranid* **Node** *netname* **action taken:** *action* **((***instance***) Module name: {DFHZNAC})**

Explanation: After an error has been processed by DFHZNAC, certain actions may be taken to correct the error. This message indicates the actions that were set. The actions taken can differ from the actions set, depending on the type and state of the node at the time of the error.

System Action:

Action	**Effect**
ABRECV	Cancel receive.
ABSEND	Cancel send.
ABTASK	Abend task
CLSDST	Close session.
GMM	Send good morning message.
OUTSRV	Place session out of service.
CREATE	Allow ATI to acquire the session if required.
NOCREATE	Do not allow ATI to acquire the session.
NEG RESP	Send an exception response.
SIMLOGON	Generate SIMLOGON request for the session.
CNTASK	Cancel the task.
SYSDUMP	Take a system dump.
PURGEBMS	Purge any BMS pages.

User Response: The user action depends on what action has been taken by the system. This is indicated by *action* in the message text.

Destination: CSNE

Module: DFHZNAC

XMEOUT Parameters: *date, time, applid, termid, tranid, netname, action, instance, {1=DFHZNAC}*

DFHZC3438 E *date time applid termid tranid* **Device powered off.** *sense* **((***instance***) Module name: {DFHZNAC})**

Explanation: A request has been rejected by the logical unit because the associated device has been powered off. This message may be caused by operator action. For example, the TEST/NORMAL key may have been used.

For the meaning of the sense data, see the explanation on page 678.

System Action: The system waits for a logical unit status message and, when the message has been received, takes appropriate system action.

User Response: Correct the problem that relates to the device.

For the meaning of the sense codes, refer to the explanatory paragraph in message DFHZC2461.

Destination: CSNE

Module: DFHZNAC

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZNAC}*

DFHZC3439 E *date time applid termid tranid* **Negative response received to SDT.** *sense* **((***instance***) Module name: {DFHZNAC})**

Explanation: A negative response has been received to the START DATA TRAFFIC (SDT) command.

For the meaning of the sense data, see the explanation on page 678.

System Action: Processing continues.

User Response: None.

Destination: CSNE

Module: DFHZNAC

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZNAC}*

DFHZC3440 E *date time applid termid tranid* **Unable to send error message - session in free status.** *sense* **((***instance***) Module name: {DFHZEMW})**

Explanation: DFHZEMW was attempting to write a message to another node, but was unable to do so because the session was in "between bracket" status.

In this state, it is not possible to send the message in the normal way. The session was in free status, probably because the application program had issued a SEND command with the LAST option.

For the meaning of the sense data, see the explanation on page 678.

System Action: Processing continues.

User Response: Check to see why the other node sent its request EXCEPTION response mode. Change the response mode to DEFINITE if error messages are to be sent.

Destination: CSNE

Module: DFHZEMW

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZEMW, 2=DFHZEMW}*

DFHZC3441 I *date time applid* **Orderly termination of VTAM sessions requested.** *sense* **((***instance***) Module name: {DFHZSHU})**

Explanation: A request for an orderly close of VTAM sessions and subsequent close of CICS VTAM ACB has been received. The request may have been initiated by the CICS master terminal command or by the VTAM network closing down.

For the meaning of the sense data, see the explanation on page 678.

System Action: All nodes are quiesced and each session is closed as it becomes inactive. When all sessions have been closed, the ACB is closed.

User Response: None.

Destination: CSNE

Module: DFHZSHU

XMEOUT Parameters: *date, time, applid, sense, instance, {1=DFHZSHU}*

DFHZC3442 I *date time applid* **Immediate termination of VTAM sessions requested.** *sense* **((***instance***) Module name: {DFHZSHU | DFHZTPX | RESERVE})**

Explanation: A request for an immediate close of all VTAM sessions and subsequent close of CICS VTAM ACB has been received. The request may have been initiated by the CICS master terminal command or by the VTAM network closing down.

This message is also issued if V NET,ID=...,INACT is issued by the VTAM operator.

For the meaning of the sense data, see the explanation on page 678.

System Action: All requests on a VTAM session are abnormally terminated and the session is closed. The VTAM ACB is then closed.

If V NET,ID=...,INACT was issued by the VTAM operator, VTAM waits for all sessions to be closed before informing CICS. In this case there are no sessions to be abnormally terminated. This message may be issued twice, once by DFHZTPX and once by DFHZSHU. The messages will have different instance numbers.

User Response: None.

Destination: CSNE

Modules: DFHZSHU, DFHZTPX

XMEOUT Parameters: *date, time, applid, sense, instance, {1=DFHZSHU, 2=RESERVE, 3=RESERVE, 4=DFHZTPX, 5=DFHZSHU}*

DFHZC3443 I *date time applid* **VTAM has been cancelled or the ACB has been forceclosed. VTAM sessions terminated.***sense* **((***instance***) Module name: {DFHZSHU | DFHZSYX | DFHZTPX})**

Explanation: VTAM has been cancelled or force closed by the CICS/VTAM operator.

For the meaning of the sense data, see the explanation on page 678.

System Action: CICS will close its ACB. All transactions running on VTAM sessions are abnormally terminated.

User Response: None.

Destination: CSNE

Modules: DFHZSHU, DFHZTPX, DFHZSYX

XMEOUT Parameters: *date, time, applid, sense, instance, {1=DFHZSHU, 3=DFHZSYX, 4=DFHZTPX, 5=DFHZSHU}*

DFHZC3444 E *date time applid termid tranid* **Unexpected condition detected during RECEIVE processing.** *sense* **((***instance***) Module name: {DFHZRVS})**

Explanation: CICS has detected a data runaway condition while receiving data from terminal *termid*.

For the meaning of the sense data, see the explanation on page 678.

System Action: CICS terminates the session and places the terminal out of service. If a task is attached, it is abnormally terminated with a transaction dump.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: To determine the cause of this error,

- Check for a terminal malfunction, for example the device may be sending the same data repeatedly, or
- Check for a network problem.

Destination: CSNE

Module: DFHZRVS

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZRVS}*

DFHZC3445 E *date time applid termid tranid* **State error.** *sense* **((***instance***) Module name: {DFHZNAC})**

Explanation: CICS has received a state error negative response (VTAM sense code 20*yy*).

For the meaning of the sense data, see the explanation on page 678.

System Action:

System Action: All outstanding send and receive requests are purged. If a task is attached, it is abnormally terminated with a transaction dump. Communication with the node is terminated by issuing a VTAM CLSDST macro, and the node is placed out of service.

User Response: Determine the reason for the error before restarting the session.

Destination: CSNE

Module: DFHZNAC

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZNAC}*

DFHZC3446 E *date time applid termid tranid* **Request error.** *sense* **((***instance***) Module name: {DFHZNAC})**

Explanation: CICS has received a request error negative response (VTAM sense code 10*yy*) for which it does not recognize the minor code *yy*.

For the meaning of the sense data, see the explanation on page 678.

System Action: All outstanding send and receive requests are purged. If a task is attached, it is abnormally terminated with a transaction dump. Communication with the node is terminated by issuing a VTAM CLSDST macro, and the node is placed out of service.

User Response: Determine the reason for the error.

Destination: CSNE

Module: DFHZNAC

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZNAC}*

DFHZC3447 E *date time applid termid tranid* **Request reject error.** *sense* **((***instance***) Module name: {DFHZNAC})**

Explanation: CICS has received a request reject negative response (VTAM sense code 08*yy*) for which it does not recognize the minor code *yy*.

For the meaning of the sense data, see the explanation on page 678.

System Action: All outstanding send and receive requests are purged. If a task is attached, it is abnormally terminated with a transaction dump. Communication with the node is terminated by issuing a VTAM CLSDST macro, and the node is placed out of service.

User Response: Determine the reason for the error.

Destination: CSNE

Module: DFHZNAC

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZNAC}*

DFHZC3448 E *date time applid termid tranid* **Security identification error.** *sense* **((***instance***) Module name: {DFHZNAC})**

Explanation: CICS has received a negative response to a request to access a resource because it was not authorized. If it was an OPNDST (BIND) request, CICS did not send the authorization sequence expected by a logical unit. CICS does not support the security feature in the bind.

For the meaning of the sense data, see the explanation on page 678.

System Action: The logical unit is placed out of service and the session is closed.

User Response: CICS does not support the security feature in the bind. Modify the authorization parameters in the remote logical unit so that it does not require authorization to initiate a session.

Destination: CSNE

Module: DFHZNAC

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZNAC}*

DFHZC3449 I *date time applid termid tranid* **Leaving unattended mode.** *sense* **((***instance***) Module name: {DFHZNAC})**

Explanation: CICS has received a status message from a logical unit indicating that the terminal is now attended.

Note that this is the default mode of operation.

For the meaning of the sense data, see the explanation on page 678.

System Action: The mode of operation bit TCTEMOPU is reset in the TCTTE.

User Response: For logical units that can operate in unattended mode, the application programmer should test the mode of operation before starting a conversational sequence with the terminal operator. If the bit is on, no operator action can be expected.

For command level, use the EXEC CICS ASSIGN UNATTEND (data area) command to obtain the value of TCTEMOPU.

Destination: CSNE

Module: DFHZNAC

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZNAC}*

DFHZC3450 I *date time applid termid tranid* **Entering unattended mode.** *sense* **((***instance***) Module name: {DFHZNAC})**

Explanation: CICS has received a status message from a logical unit indicating that the terminal is no longer attended.

For the meaning of the sense data, see the explanation on page 678.

System Action: The mode of operation bit TCTEMOPU is set in the TCTTE.

User Response: For logical units that can operate in unattended mode, the application programmer should test the mode of operation before starting a conversational sequence with the terminal operator. If the bit is on, no operator action can be expected.

For command level, use the EXEC CICS ASSIGN UNATTEND (data area) command to obtain the value of TCTEMOPU.

Destination: CSNE

Module: DFHZNAC

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZNAC}*

DFHZC3451 I *date time applid termid tranid* **Currently no data to send.** *sense* **((***instance***) Module name: {DFHZNAC})**

Explanation: Following the issue of a READ command to a logical unit, or the completion of a transaction associated with the logical unit, CICS has received a status message from the logical unit indicating that it currently has no data to send.

For the meaning of the sense data, see the explanation on page 678.

System Action: If a data interchange (DFHDI) receive request is outstanding, it will complete with DSSTAT condition and a response code X'15'.

If no task is active and no work is outstanding for the terminal, the soft CLSDEST action flag is set and DFHZNEP is called. Unless it is reset by DFHZNEP, the session is terminated.

User Response: Ensure that no more receive requests are issued to the terminal.

Destination: CSNE

Module: DFHZNAC

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZNAC}*

DFHZC3452 E *date time applid termid tranid* **Signal received - Code** *xxxx. sense* **((***instance***) Module name: {DFHZASX})**

Explanation: CICS has received a SIGNAL command from a logical unit. The SIGNAL codes received with the SIGNAL command are made available to the DFHZNEP user program.

If a task is active, the SIGNAL condition is raised on return to the application program. This message is produced only when SIGNAL codes are passed to the node abnormal condition program (DFHZNAC). CICS does this for Type 4 logical units only.

For the meaning of the sense data, see the explanation on page 678.

System Action: If the SIGNAL code is 0001 0000 (request change direction), any further output request will cause the IGREQCD condition to be raised. All SIGNAL codes will cause the SIGNAL condition to be raised.

User Response: For logical units for which CICS enforces SIGNAL request change direction, if the code is 0001 0000, issue a receive request or terminate transaction *tranid*.

If the code is NOT 0001 0000, terminate transaction *tranid* and refer to the *VTAM Programming* manual for further guidance.

Destination: CSNE

Module: DFHZASX

XMEOUT Parameters: *date, time, applid, termid, tranid, xxxx, sense, instance, {1=DFHZASX, 2=DFHZASX}*

DFHZC3453 E *date time applid termid tranid* **RH usage error.** *sense* **((***instance***) Module name: {DFHZNAC})**

Explanation: CICS has received a request header (RH) usage error negative response for which it does not recognize the minor code *yy*.

For the meaning of the sense data, see the explanation on page 678.

System Action: All outstanding send and receive requests are purged. If a task is attached, it is abnormally terminated with a transaction dump. Communication with the node is terminated by issuing a VTAM CLSDST macro, and the node is placed out of service.

User Response: None.

Destination: CSNE

Module: DFHZNAC

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZNAC}*

DFHZC3454 E *date time applid termid tranid* **Session initiation failure. Bind response from node** *netname* **is unacceptable.** *sense* **((***instance***) Module name: {DFHZOPX})**

Explanation: A remote secondary's response to a negotiable bind contained unacceptable parameters.

For the meaning of the sense data, see the explanation on page 678.

System Action: Session initialization fails. The sent and received bind parameters are printed on the CSNE log.

User Response: Look at the parameters printed on the CSNE log. Ensure that the remote system has correctly specified its characteristics. If there is an invalid format, change it to LEN PSQ LEN SSQ.

Destination: CSNE

Module: DFHZOPX

XMEOUT Parameters: *date, time, applid, termid, tranid, netname, sense, instance, {1=DFHZOPX, 2=DFHZOPX, 3=DFHZOPX, 4=DFHZOPX, 5=DFHZOPX, 6=DFHZOPX, 7=DFHZOPX, 8=DFHZOPX, 9=DFHZOPX, 10=DFHZOPX, 11=DFHZOPX, 12=DFHZOPX, 13=DFHZOPX, 14=DFHZOPX, 15=DFHZOPX, 16=DFHZOPX, 17=DFHZOPX, 18=DFHZOPX, 19=DFHZOPX, 20=DFHZOPX, 21=DFHZOPX, 22=DFHZOPX, 23=DFHZOPX, 24=DFHZOPX, 25=DFHZOPX, 26=DFHZOPX, 27=DFHZOPX, 28=DFHZOPX, 29=DFHZOPX, 30=DFHZOPX, 31=DFHZOPX, 32=DFHZOPX, 33=DFHZOPX, 34=DFHZOPX, 35=DFHZOPX, 36=DFHZOPX, 37=DFHZOPX, 38=DFHZOPX, 39=DFHZOPX, 40=DFHZOPX, 41=DFHZOPX, 42=DFHZOPX, 43=DFHZOPX, 44=DFHZOPX, 45=DFHZOPX}*

DFHZC3455 E *date time applid termid tranid* **Session initiation failure. Bind response from node** *netname* **contains an invalid session qualifier pair.** *sense* **((***instance***) Module name: {DFHZOPX})**

Explanation: A remote secondary's response to a negotiable bind contained an invalid session qualifier pair in the user data field. Either it had an invalid format, or the primary SQ had been altered.

For the meaning of the sense data, see the explanation on page 678.

System Action: Session initialization fails. The sent and received bind images are printed on the CSNE log.

User Response: Correct the error in the remote system. If there is an invalid format, change it to LEN PSQ LEN SSQ.

Destination: CSNE

Module: DFHZOPX

XMEOUT Parameters: *date, time, applid, termid, tranid, netname, sense, instance, {1=DFHZOPX, 2=DFHZOPX, 3=DFHZOPX}*

DFHZC3456 E *date time applid termid tranid* **No outboard formats loaded.** *sense* **((***instance***) Module name: {DFHZNAC})**

Explanation: An outboard format has been referenced, but no outboard formats are loaded on this logical unit.

System Action: Transaction *tranid* is abnormally terminated with a transaction dump.

User Response: Load the necessary outboard formats.

Destination: CSNE

Module: DFHZNAC

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZNAC}*

DFHZC3457 E *date time applid termid tranid* **Requested outboard format not loaded.** *sense* **((***instance***) Module name: {DFHZNAC})**

Explanation: An outboard format has been referenced, but the requested format is not loaded on this logical unit.

For the meaning of the sense data, see the explanation on page 678.

System Action: Transaction *tranid* is abnormally terminated with a transaction dump.

User Response: Load the requested outboard format.

Destination: CSNE

Module: DFHZNAC

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZNAC}*

DFHZC3458 E *date time applid termid tranid* **Requested format group not loaded.** *sense* **((***instance***) Module name: {DFHZNAC})**

Explanation: An outbound format group has been referenced, but that format group is not loaded on this logical unit.

For the meaning of the sense data, see the explanation on page 678.

System Action: Transaction *tranid* is abnormally terminated with a transaction dump.

User Response: Load the required format group.

Destination: CSNE

Module: DFHZNAC

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZNAC}*

DFHZC3459 E *date time applid termid tranid* **Unsupported data stream.** *sense* **((***instance***) Module name: {DFHZNAC})**

Explanation: The data stream sent to the device contains control data for functions that the device does not support.

For the meaning of the sense data, see the explanation on page 678.

System Action: Transaction *tranid* is abnormally terminated.

User Response: Either ensure that transaction *tranid* is not run against the terminal, or change the terminal to one that supports the data stream.

Destination: CSNE

Module: DFHZNAC

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZNAC}*

DFHZC3460 E *date time applid termid tranid* **Requested character set not present.** *sense* **((***instance***) Module name: {DFHZNAC})**

Explanation: The Referenced Logical Character Set Identifier (LCID) specified in the define alternate character set is not known.

For the meaning of the sense data, see the explanation on page 678.

System Action: Transaction *tranid* is abnormally terminated with a transaction dump.

User Response: Ensure that the character set referenced by the LCID is loaded.

Destination: CSNE

Module: DFHZNAC

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZNAC}*

DFHZC3461 I *date time applid termid tranid* **Node** *netname* **session started.** *sense* **((***instance***) Module name: {DFHZEV1 | DFHZEV2 | DFHZOPX})**

Explanation: CICS has successfully issued or received a bind to the node *netname*.

For the meaning of the sense data, see the explanation on page 678.

System Action: Processing continues.

User Response: None.

Destination: CSNE

Modules: DFHZOPX, DFHZEV1, DFHZEV2

XMEOUT Parameters: *date, time, applid, termid, tranid, netname, sense, instance, {1=DFHZOPX, 2=DFHZOPX, 3=DFHZEV1, 4=DFHZEV2}*

DFHZC3462 I *date time applid termid tranid* **Node** *netname* **session terminated.** *sense* **((***instance***) Module name: {DFHZCLS})**

Explanation: A session with node *netname* has been closed.

For the meaning of the sense data, see the explanation on page 678.

System Action: Processing continues.

User Response: None.

Destination: CSNE

Module: DFHZCLS

XMEOUT Parameters: *date, time, applid, termid, tranid, netname, sense, instance, {1=DFHZCLS, 2=DFHZCLS}*

DFHZC3463 I *date time applid* **VTAM ACB opened. VTAM Return Code =** *X'rc'***. Time =** *time sense* **((***instance***) Module name: {DFHZOPA})**

Explanation: The master terminal operator issued a CEMT or CSMT command to open the VTAM ACB.

For the meaning of the sense data, see the explanation on page 678.

System Action: Processing continues.

User Response: This depends on the return code:

- If the value is zero, VTAM sessions can be enabled.
- If the value is 1, this is not a VTAM return code. It is inserted by DFHZOPA if a VTAM OPEN is received when the ACB is already open.
- If the return code is some other value, the operation has failed. See the section on *Open Macroinstructions* in the *VTAM Programming* manual to determine why the VTAM ACB was not opened.

Destination: CSNE

Module: DFHZOPA

XMEOUT Parameters: *date, time, applid, X'rc', time, sense, instance, {1=DFHZOPA}*

DFHZC3464 I *date time applid termid tranid* **Node** *netname* **released by MT Operator/LU Services Manager.** *sense* **((***instance***) Module name: {DFHZSTU})**

Explanation: The master terminal operator issued a CEMT command to release the logical unit (LU).

For the meaning of the sense data, see the explanation on page 678.

System Action: The LU is closed. Any task associated with the LU is terminated either abnormally (if the master terminal operator so desired) or normally.

User Response: None.

Destination: CSNE

Module: DFHZSTU

XMEOUT Parameters: *date, time, applid, termid, tranid, netname, sense, instance, {1=DFHZSTU}*

DFHZC3465 E *date time applid termid tranid* **Unexpected response received.** *sense* **((***instance***) Module name: {DFHZRAC | DFHZRLP | DFHZRVX})**

Explanation: CICS received a positive response in one of the following circumstances:

- The response was to data sent with exception response
- The response was to a command sent with exception response
- The response was to a send to which a response has already been sent.

For the meaning of the sense data, see the explanation on page 678.

System Action: All outstanding send and receive requests are purged. If a task is attached, it is abnormally terminated with a transaction dump. The node is placed out of service and the TCTTE, RPL, and action flags are logged to CSNE.

User Response: Ensure that the application programs running concurrently do not alter the TCTTE. Check that the SNA flows on the session are valid and that the logical unit is not violating SNA protocols.

Destination: CSNE

Modules: DFHZRVX, DFHZRAC, DFHZRLP

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZRLP, 2=DFHZRVX, 3=DFHZRVX, 4=DFHZRVX, 5=DFHZRVX, 6=DFHZRAC, 7=DFHZRAC, 8=DFHZRAC, 9=DFHZRAC, 10=DFHZRAC, 11=DFHZRAC, 12=DFHZRAC}*

DFHZC3466 E *date time applid termid tranid* **Out of session during session start up .***sense* **((***instance***) Module name: {DFHZSEX | DFHZSKR})**

Explanation: A CICS master terminal command was used to put terminal *termid* out of service while session startup was taking place.

For the meaning of the sense data, see the explanation on page 678.

System Action: The session is terminated and the TCTTE for terminal *termid* is left out of service.

User Response: To establish the session for use, the master terminal operator should issue the command CEMT SET TER (*XXXX*) INS ACQ. This puts the terminal back in service, and start up the session for use.

Destination: CSNE

Modules: DFHZSEX, DFHZSKR

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZSEX, 2=DFHZSKR}*

DFHZC3467 E *date time applid termid tranid* **Permanent insufficient resource.** *sense* **((***instance***) Module name: {DFHZNAC})**

Explanation: The PS buffer resource required by load PS is not available.

For the meaning of the sense data, see the explanation on page 678.

System Action: If a task is attached, it is abnormally terminated with a transaction dump.

User Response: Look at the CSNE log. A second message with a sense received code of 084C should have been issued. Refer to this message in the *VTAM Programming* manual for full details.

Destination: CSNE

Module: DFHZNAC

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZNAC}*

DFHZC3468 E *date time applid termid tranid* **CLEAR command received.** *sense* **((***instance***) Module name: {DFHZSCX})**

Explanation: An SNA clear command was received by the node. The other end of the session was unable to handle the current requests for some reason, and purged any outstanding messages on the session.

For the meaning of the sense data, see the explanation on page 678.

System Action: The session is canceled immediately, and any transaction executing on that session is also abnormally terminated and a transaction dump is produced.

User Response: Check the other end of the session to determine why the clear command was sent. It may be due to a lack of buffers in the VTAM region attached to the other session.

Destination: CSNE

Module: DFHZSCX

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZSCX}*

DFHZC3469 E *date time applid termid tranid* **Session re-establishment being awaited.** *sense* **((***instance***) Module name: {DFHZSCX})**

Explanation: The secondary LU is being passed to a new application program via CLSDST(PASS).

For the meaning of the sense data, see the explanation on page 678.

System Action: If a task is attached, it is abnormally terminated with a transaction dump.

User Response: None.

Destination: CSNE

Module: DFHZSCX

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZSCX}*

DFHZC3470 E *date time applid termid tranid* **LU session failure caused by:** *{restart/takeover. LU does not support ACTLU(ERP). | route extension to cluster failed. | LU abend, discontact, DACTPU or ANS. }sense* **((***instance***) Module name: {DFHZSCX})**

Explanation: An LU session has failed because an UNBIND command has been received.

Possible reasons are:

- Restart or takeover. LU does not support ACTLU(ERP)
- Route extension to cluster failed
- Session failed due to LU abend, disconnect, DACTPU, or ANS.

For the meaning of the sense data, see the explanation on page 678.

System Action: If a task is attached, it is abnormally terminated with a transaction dump.

User Response: Use the symptom string, a VTAM trace, and the dump, if available, to determine the source of the UNBIND before attempting to reestablish the session.

Destination: CSNE

Module: DFHZSCX

XMEOUT Parameters: *date, time, applid, termid, tranid, {1=restart/takeover. LU does not support ACTLU(ERP)., 2=route extension to cluster failed., 3=LU abend, discontact, DACTPU or ANS. }, sense, instance, {1=DFHZSCX, 2=DFHZSCX, 3=DFHZSCX, 4=DFHZSCX}*

DFHZC3471 E *date time applid termid tranid* **Virtual route inoperative.** *sense* **((***instance***) Module name: {DFHZSCX})**

Explanation: The session has been broken because the virtual route it was using has failed.

For the meaning of the sense data, see the explanation on page 678.

System Action: If a task is attached, it is abnormally terminated with a transaction dump. For APPC sessions, CICS attempts to reestablish the failing session.

User Response: None.

Destination: CSNE

Module: DFHZSCX

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZSCX}*

DFHZC3472 E *date time applid termid tranid* **Device end received.** *sense* **((***instance***) Module name: {DFHZSYX})**

Explanation: Device end was received from a non-SNA VTAM supported 3270

For the meaning of the sense data, see the explanation on page 678.

System Action: The good morning message is displayed, unless the terminal is associated with an active task.

User Response: None.

Destination: CSNE

Module: DFHZSYX

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZSYX}*

DFHZC3474 E *date time applid termid tranid* **Virtual route deactivated.** *sense* **((***instance***) Module name: {DFHZSCX})**

Explanation: The session has had to be deactivated because of a forced deactivation of the virtual route being used.

For the meaning of the sense data, see the explanation on page 678.

System Action: If a task is attached, it is abnormally terminated with a transaction dump. Afterwards CICS attempts to reestablish the session.

User Response: Determine the cause of the session failure and attempt to reestablish the session.

Destination: CSNE

Module: DFHZSCX

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZSCX}*

DFHZC3475 E *date time applid termid tranid* **Unrecoverable LU failure.** *sense* **((***instance***) Module name: {DFHZSCX})**

Explanation: The session has had to be deactivated because of an abnormal termination of an LU.

For the meaning of the sense data, see the explanation on page 678.

System Action: If a task is attached, it is abnormally terminated with a transaction dump. Session reinitiation is not attempted.

User Response: None.

Destination: CSNE

Module: DFHZSCX

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZSCX}*

DFHZC3476 E *date time applid termid tranid* **Recoverable LU failure.** *sense* **((***instance***) Module name: {DFHZSCX})**

Explanation: The session has had to be deactivated because of an abnormal termination of an LU; recovery of the session may be possible.

For the meaning of the sense data, see the explanation on page 678.

System Action: If a task is attached, it is abnormally terminated with a transaction dump. CICS attempts to reinitiate the session.

User Response: None.

Destination: CSNE

Module: DFHZSCX

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZSCX}*

DFHZC3477 E *date time applid termid tranid* **Cleanup received.** *sense* **((***instance***) Module name: {DFHZSCX})**

Explanation: The sending LU has reset its half-session before receiving a response from CICS; recovery of the session may be possible.

For the meaning of the sense data, see the explanation on page 678.

System Action: If a task is attached, it is abnormally terminated with a transaction dump. CICS attempts to reinitiate the session.

User Response: None.

Destination: CSNE

Module: DFHZSCX

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZSCX}*

DFHZC3479 E *date time applid termid tranid* **Unbind received after session failure detected.** *sense* **((***instance***) Module name: {DFHZSCX})**

Explanation: The logical unit in session with CICS has detected a session failure, and has unbound the session with CICS.

For the meaning of the sense data, see the explanation on page 678.

System Action: The session is terminated, and the transaction using it is abnormally terminated or informed by return code.

User Response: Determine the reason for the session failure by using Trace. Check the CSNE log for a second error message associated with DFHZC3479. This message should be located immediately after DFHZC3479.

Refer to the sense code shown in the associated message.

Destination: CSNE

Module: DFHZSCX

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZSCX, 2=DFHZSCX}*

DFHZC3480 E *date time applid termid tranid* **Session could not be started due to insufficient CICS nucleus function - ISC not loaded.** *sense* **((***instance***) Module name: {DFHZBLX | DFHZLGX | DFHZSIM})**

Explanation: A session initiation has been attempted to an APPC system or terminal. The session cannot be established because the CICS ISC nucleus modules are required.

For the meaning of the sense data, see the explanation on page 678.

System Action: The session initiation request is rejected.

User Response: If APPC connections are to be used, ensure that ISC=NO is not used for CICS initialization.

Destination: CSNE

Modules: DFHZSCX, DFHZLGX, DFHZSIM

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZSIM, 2=DFHZBLX, 3=DFHZLGX}*

DFHZC3481 E *date time applid termid tranid* **3270 Data Stream protocol error.** *sense* **((***instance***) Module name: {DFHZRAC | DFHZRVX})**

Explanation: CICS has received zero length data from a device defined in the TCT as a 3270 terminal. This violates the protocol for 3270 devices.

For the meaning of the sense data, see the explanation on page 678.

System Action: CICS cancels the session and any transactions attached to the terminal.

User Response: Determine why zero length data was received from a device purporting to be a 3270 terminal, and correct the error.

The most likely reasons are an incorrect TCT definition for the terminal, or incorrect programming of a terminal that is simulating 3270 protocols.

Destination: CSNE

Modules: DFHZRAC, DFHZRVX

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZRVX, 2=DFHZRAC}*

DFHZC3482 E *date time applid tranid* **Logon from node** *nodeid* **rejected. Insufficient storage for autoinstall request.** *sense* **((***instance***) Module name: {DFHZBLX | DFHZLGX | DFHZSCX})**

Explanation: A node *nodeid*, unknown to CICS, attempted to logon. CICS could not obtain sufficient storage to complete autoinstall processing.

For the meaning of the sense data, see the explanation on page 678.

System Action: CICS rejects the logon request.

User Response: Retry the logon.

Destination: CSNE

Modules: DFHZLGX, DFHZSCX, DFHZBLX

XMEOUT Parameters: *date, time, applid, tranid, nodeid, sense, instance, {1=DFHZLGX, 2=DFHZLGX, 3=DFHZBLX, 4=DFHZSCX}*

DFHZC3484 I *date time applid netname* **is now connected to** *applid. sense* **((***instance***) Module name: {DFHZNSP})**

Explanation: By successful execution of an ISSUE PASS command, a VTAM logical unit whose network name is *netname* has been passed to the VTAM application whose VTAM APPLID (netname) is *applid*.

For the meaning of the sense data, see the explanation on page 678.

System Action: CICS processing continues.

User Response: None.

Destination: CSNE

Module: DFHZNSP

XMEOUT Parameters: *date, time, applid, netname, applid, sense, instance, {1=DFHZNSP}*

DFHZC3485 E *date time applid netname* **A CLSDST Pass Procedure error occurred at** *applid.* **Status byte** *xx* **Reason byte** *yy.sense* **((***instance***) Module name: {DFHZNSP})**

Explanation: In executing an ISSUE PASS command, CICS attempted to pass control of a VTAM logical unit whose network name is *netname*, to a system whose VTAM APPLID is *applid*. VTAM has notified CICS of an error at *applid*.

For the meaning of the sense data, see the explanation on page 678.

System Action: CICS saves the status byte *xx* and reason byte *yy* passed by VTAM in the Notify Request Unit. CICS processing continues.

User Response: The reason for the error can be determined by investigating the status byte *xx* and reason byte *yy* given in the message. These bytes are documented in the NSEXIT routine section of *VTAM Programming* (SC23-0115).

Destination: CSNE

Module: DFHZNSP

XMEOUT Parameters: *date, time, applid, netname, applid, xx, yy, sense, instance, {1=DFHZNSP}*

DFHZC3486 E *date time applid netname* **The named LU cannot be connected for sessions at** *applid***.** *sense* **((***instance***) Module name: {DFHZSYX})**

Explanation: In executing an ISSUE PASS command, CICS attempted to pass control of a VTAM logical unit whose network name is *netname*, to a system whose VTAM APPLID is *applid*. VTAM has notified CICS that *applid* is currently not available.

For the meaning of the sense data, see the explanation on page 678.

System Action: Processing continues.

User Response: None.

Destination: CSNE

Module: DFHZSYX

XMEOUT Parameters: *date, time, applid, netname, applid, sense, instance, {1=DFHZSYX, 2=DFHZSYX}*

DFHZC3487 E *date time applid netname* **Unable to PASS to node** *nodeid***. CLSDST PASS is not authorized.** *sense* **((***instance***) Module name: {DFHZLEX})**

Explanation: In executing an ISSUE PASS command, CICS attempted to pass control of a VTAM logical unit whose network name is *netname*. VTAM has notified CICS that CICS is not authorized to use this function.

For the meaning of the sense data, see the explanation on page 678.

System Action: CICS continues.

CICS may or may not be able to display the *applid* it was being passed. If CICS can display this *applid*, it appears in the text of this message.

User Response: To use the ISSUE PASS command, you must code AUTH=PASS on the VTAM definition of the CICS APPL, then reactivate the APPL.

Destination: CSNE

Module: DFHZLEX

XMEOUT Parameters: *date, time, applid, netname, nodeid, sense, instance, {1=DFHZLEX, 2=DFHZLEX}*

DFHZC3488 E *date time applid netname* **ISC session connection failure.** *sense* **((***instance***) Module name: {DFHZSIX})**

Explanation: A simlogon request to an ISC system was rejected because the *netname* was not known. CICS has now issued the INQUIRE OPTCD=USERVAR command in order to determine if *netname* had been defined as a user variable. That INQUIRE command has been rejected because the user variable does not exist in the USERVAR table. This may be because the USERVAR is either not known or invalid, or the MODIFY USERVAR command has not been issued to define the user variable.

For the meaning of the sense data, see the explanation on page 678.

System Action: CLSDST is issued to reset the session.

User Response: Determine if the netname has been defined correctly to CICS. If the netname is to be used as a user variable then determine why the MODIFY USERVAR command has not been issued to set it.

Destination: CSNE

Module: DFHZSIX

XMEOUT Parameters: *date, time, applid, netname, sense, instance, {1=DFHZSIX}*

DFHZC3489 E *date time applid netname* **The LU is inhibited for sessions.** *sense* **((***instance***) Module name: {DFHZSYX})**

Explanation: CICS has attempted to acquire a session to the logical unit (LU), but VTAM has rejected the request because the LU is inhibited for sessions.

The partner LU could be inhibited because it has issued the VTAM macro SETLOGON OPTCD=QUIESCE.

For the meaning of the sense data, see the explanation on page 678.

System Action: The request is rejected and the session is set into NOINTLOG state to prevent further requests being issued.

User Response: After the partner LU has enabled itself, it can initiate the session request to CICS. Alternatively, the CICS master terminal operator could reset the NOINTLOG state and allow CICS to initiate the session request.

Destination: CSNE

Module: DFHZSYX

XMEOUT Parameters: *date, time, applid, netname, sense, instance, {1=DFHZSYX}*

DFHZC3490 E *date time applid netname* **Unable to pass to node** *nodeid***.** *sense* **((***instance***) Module name: {DFHZCLX | DFHZLEX | DFHZSYX})**

Explanation: In executing an ISSUE PASS command, CICS attempted to pass control of the named VTAM logical unit to a system identified as node *nodeid*. VTAM has notified CICS that this request has failed.

This may occur if the LUNAME specified is a generic resource name and this CICS is the only system registered under this name. You are effectively passing the terminal to yourself.

However, if there is more than one CICS registered under the generic resource name, the terminal should pass successfully to another member (chosen by VTAM) in the same resource.

For the meaning of the sense data, see the explanation on page 678.

System Action: A VTAM CLSDST macro is issued to halt communication with the node.

User Response: Ensure that the node *nodeid* is defined and active to VTAM.

Destination: CSNE

Modules: DFHZSYX, DFHZLEX, DFHZCLX

XMEOUT Parameters: *date, time, applid, netname, nodeid, sense, instance, {1=DFHZLEX, 2=DFHZSYX, 3=DFHZCLX}*

DFHZC3491 E *date time applid netname* **Unable to make session XRF capable.** *sense* **((***instance***) Module name: {DFHZLEX})**

Explanation: The active CICS system has attempted to OPNDST the session as "XRF capable", but has been refused because the Network Control Program (NCP) has insufficient space to hold the control blocks for a future backup session from the alternate CICS system.

For the meaning of the sense data, see the explanation on page 678.

System Action: CICS performs a SIMLOGON, but does not deem the session to be "XRF capable". CICS therefore treats the terminal as class 2.

User Response: No immediate action is necessary. You may need to increase the number of buffers in the NCP.

Destination: CSNE

Module: DFHZLEX

XMEOUT Parameters: *date, time, applid, netname, sense, instance, {1=DFHZLEX}*

DFHZC3492 E *date time applid tranid* **Logon for node** *nodeid* **contained invalid NIBUSER token.** *sense* **((***instance***) Module name: {DFHZLGX})**

Explanation: DFHZLGX has been driven for SIMLOGON with a token that is no longer a valid TCTTE address.

For the meaning of the sense data, see the explanation on page 678.

System Action: An unexpected condition has occurred during SIMLOGON. CICS will continue processing normally.

User Response: None.

Destination: CSNE

Module: DFHZLGX

XMEOUT Parameters: *date, time, applid, tranid, nodeid, sense, instance, {1=DFHZLGX}*

DFHZC3493 E *date time applid termid tranid* **Invalid device type for a print request.** *sense* **((***instance***) Module name : {DFHZARQ})**

Explanation: A print function was requested on a 3270 information display system. However, the print function was unable to find an eligible printer because the function does not support the device type.

For the meaning of the sense data, see the explanation on page 678.

System Action: If no other action is specified in the Network Error Program (NEP). the print request is halted. CICS processing continues.

User Response: Check that the printers specified for the information display system are valid. Valid devices are 3270P and LUTYPE3.

Destination: CSNE

Module: DFHZARQ

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZARQ}*

DFHZC3494 E *date time applid termid tranid* **Request error** *sense* **((***instance***) Module name : {DFHZNAC})**

Explanation: The request unit (RU) received by the secondary logical unit (LU) contains a request which terminal *termid* cannot handle.

For the meaning of the sense data, see the explanation on page 678.

System Action: All send and receive requests are purged and transaction *tranid* is abnormally terminated with a dump.

User Response: Check that the TYPETERM specifications for terminal *termid* are valid. This error could occur if, for example, QUERY was sent to a nonqueriable 3270 defined with QUERY=COLD]ALL.

Destination: CSNE

Module: DFHZSYX

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZNAC}*

DFHZC3495 E *date time applid* **Logon occurred for terminal with netname** *netname* **before Notify received** *sense* **((***instance***) Module name : {DFHZLGX})**

Explanation: A terminal with netname *netname* has logged on before a NOTIFY request was received for an outstanding CLSDST PASS with CLSDST=NOTIFY.

For the meaning of the sense data, see the explanation on page 678.

System Action: CICS processing continues. Any subsequent NOTIFY requests for the terminal identified will be ignored.

User Response: It is recommended that any user processing for CLSDST PASS messages incorporates this message.

Destination: CSNE

Module: DFHZLGX

XMEOUT Parameters: *date, time, applid, netname, sense, instance, {1=DFHZLGX}*

DFHZC3496 E *date time applid* **System dump has been taken for terminal** *termid* **((***instance***) Module name: {DFHZNAC})**

Explanation: Terminal *termid* has been found to be in error by terminal control.

As terminal *termid* had no task attached to it at the time of the error, DFHZNAC was unable to cause a transaction abend with a transaction dump.

The TWAODNTA flag in the DFHZNAC-DFHZNEP commarea is set ON and DFHZNAC produces a system dump for terminal *termid* instead.

System Action: An exception trace entry is made in the trace table at trace point FC73.

A system dump is produced unless you have specifically suppressed dumps in the dump table.

User Response: To determine the nature of the problem that caused the dump to be taken, refer to the CSNE log. There should be an associated CICS message which will provide further information.

For more information about TWAODNTA, refer to the *CICS Customization Guide*.

Destination: CSNE

Module: DFHZNAC

XMEOUT Parameters: *date, time, applid, termid, instance, {1=DFHZNAC}*

DFHZC3497 E *date time applid* **Link to module DFHZNEP from DFHZNAC failed because** *{module DFHZNEP is not AMODE 31. | module DFHZNEP could not be loaded. | module DFHZNEP could not be autoinstalled. | of an unexpected error.}* **((***instance***) Module name: {DFHZNAC})**

Explanation: While processing an error for a VTAM terminal, CICS attempted to link to user-replaceable module DFHZNEP. The link failed.

See message DFHZC3437 for the default action or actions taken.

System Action: The default action or actions set by DFHZNAC are taken.

User Response: The reason for the failure is specified in the message. Possible solutions are:

- Ensure that DFHZNEP is linked with AMODE 31.
- Ensure that DFHZNEP is contained in one of the data sets concatenated in the DFHRPL DD statement and has the correct name.
- Ensure that there is a valid entry for DFHZNEP in the PPT, and that DFHZNEP can be successfully autoinstalled.

Destination: CSNE

Module: DFHZNAC

XMEOUT Parameters: *date, time, applid, {1=module DFHZNEP is not AMODE 31., 2=module DFHZNEP could not be loaded., 3=module DFHZNEP could not be autoinstalled., 4=of an unexpected error.}, instance, {1=DFHZNAC}*

DFHZC3498 E *date time applid* **Abend** *abcode* **has occurred in module DFHZNEP. ((***instance***) Module name: {DFHZNAC})**

Explanation: While processing an error for a VTAM terminal, user-replaceable module DFHZNEP was linked and the program abended with abend code *abcode*. See message DFHZC3437 for the default action or actions that are taken.

System Action: Control is passed back to the calling module, DFHZNAC. DFHZNAC reinstates the default actions set before DFHZNEP was called. The actions are then taken.

User Response: Refer to abend code *abcode* for details of the original error. Follow the user response given in the abend code to solve the problem.

Destination: CSNE

Module: DFHZNAC

XMEOUT Parameters: *date, time, applid, abcode, instance, {1=DFHZNAC}*

DFHZC3499 E *date time applid* **OS Getmain failure in module DFH***modname* **with return code** *X'return_code'* **while attempting to process message DFHZC***message_number***.** *sense* **((***instance***) Module name: {DFHZATA | DFHZLEX | DFHZLGX | DFHZRAC | DFHZSCX | DFHZSHU | DFHZSYX | DFHZTPX})**

Explanation: An error has been detected by module *modname*. The OS GETMAIN request by this module has failed with return code X'*return_code*', and as a result, the diagnostic information relating to the original error has not been saved and cannot be processed by DFHZNAC.

The only information available for diagnosis of the error is *message_number* which is the number of the message that would have been issued had the OS GETMAIN request not failed.

For the meaning of the sense data, see the explanation on page 678.

System Action: Processing continues normally.

User Response: Refer to message *message_number* for further guidance.

Refer to the *MVS System Programming Library: Macro Reference* for the meaning of the OS GETMAIN return code.

Destination: CSNE

Modules: DFHZATA, DFHZLGX, DFHZRAC, DFHZSCX, DFHZSHU, DFHZTPX, DFHZLEX, DFHZSYX

XMEOUT Parameters: *date, time, applid, modname, X'return_code', message_number, sense, instance, {1=DFHZLEX, 2=DFHZSHU, 3=DFHZSCX, 4=DFHZSCX, 5=DFHZSYX, 6=DFHZSYX, 7=DFHZTPX, 8=DFHZRAC, 9=DFHZRAC, 10=DFHZATA, 11=DFHZLGX, 12=DFHZLGX}*

DFHZC4900 I *date time applid termid tranid* **CNOS** *{sent to | received from}* **Node** *netname* **System** *sysid* **Modename** *modename***, Max =** *n1***, Win=***n2***,** *{race detected | successful | values amended | modename not recognized | modename closed}***. ((***instance***) Module name: {DFHZGCN})**

Explanation: A CHANGE-NUMBER-OF-SESSIONS command has been sent or received. The inserts are identified as follows:

- *sysid* is the system identifier.
- *modename* is the modename.
- *n1* is the maximum session count.
- *n2* is the maximum source contention winner sessions.

If the “values amended” option is displayed, the values of the *n1* (maximum session count) and *n2* (maximum source contention winner sessions) have been renegotiated by the target system.

If the “race detected” option is displayed, the CNOS command could not be implemented because the modename *modename* was already locked for a CNOS command from the other system.

System Action: The negotiated values are applied.

User Response: None.

Destination: CSNE

Module: DFHZGCN

XMEOUT Parameters: *date, time, applid, termid, tranid, {1=sent to, 2=received from}, netname, sysid, modename, n1, n2, {1=race detected, 2=successful, 3=values amended, 4=modename not recognized, 5=modename closed}, instance, {1=DFHZGCN}*

DFHZC4901 I *date time applid termid tranid* **Node** *netname* **System** *sysid* **Modename** *modename***, Negotiated values: Max=***n1***, Win=***n2***. ((***instance***) Module name: {DFHZGCN})**

Explanation:

- *modename* is the modename,
- *n1* is the maximum session count,
- *n2* is the maximum source contention winner sessions.

This message follows message DFHZC4900 when the maximum session count (*n1*) and the maximum source contention winner sessions (*n2*) have been renegotiated.

System Action: The negotiated values are applied.

User Response: None.

Destination: CSNE

Module: DFHZGCN

XMEOUT Parameters: *date, time, applid, termid, tranid, netname, sysid, modename, n1, n2, instance, {1=DFHZGCN}*

DFHZC4902 E *date time applid termid tranid* **Attach FMH or subfield length error.** *sense* **((***instance***) Module name: {DFHZATT})**

Explanation: A request to attach a task has been received across an APPC link. However, there is an error in the function management header (FMH) length or in the length of one of the subfields. As a result, CICS is unable to determine which task to attach.

For the meaning of the sense data, see the explanation on page 678.

System Action: The task is abnormally terminated with a dump.

User Response: The remote APPC system is sending an invalid attach header (FMH type 5). Use the supplied dump to determine the error and investigate the cause at the remote system.

Destination: CSNE

Module: DFHZATT

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZATT, 2=DFHZATT, 3=DFHZATT, 4=DFHZATT, 5=DFHZATT, 6=DFHZATT, 7=DFHZATT}*

DFHZC4903 E *date time applid termid tranid* **Attach FMH not found.** *sense* **((***instance***) Module name: {DFHZATT})**

Explanation: A request to attach a task has been received across an APPC link. However, no APPC attach header has been found at the start of the input data stream.

For the meaning of the sense data, see the explanation on page 678.

System Action: The task is abnormally terminated with a dump.

User Response: The remote APPC system is failing to send a valid attach header (FMH type 5). Use the supplied dump to determine the error and investigate the cause at the remote system.

Destination: CSNE

Module: DFHZATT

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZATT, 2=DFHZATT}*

DFHZC4904 E *date time applid termid tranid* **Bracket FSM error.** *sense* **((***instance***) Module name: {DFHZRAC | DFHZRLP | DFHZSDL | DFHZSLX})**

Explanation: The bracket finite state machine (FSM) has reported an error in the use of APPC bracket protocols.

For the meaning of the sense data, see the explanation on page 678.

System Action: The task is abnormally terminated with a dump.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: If this message occurs after a persistent sessions restart, look for associated messages for more guidance. The problem might be temporary.

If this message occurs during normal system execution, you will need further assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CSNE

Modules: DFHZRAC, DFHZRLP, DFHZSDL, DFHZSLX

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZRLP, 2=DFHZRLP, 3=DFHZRLP, 4=DFHZRLP, 5=DFHZSDL, 6=DFHZSDL, 7=DFHZSLX, 8=DFHZSLX, 9=DFHZSLX, 10=DFHZSLX, 11=DFHZSLX, 12=DFHZSLX, 13=DFHZRAC, 14=DFHZRAC, 15=DFHZRAC}*

DFHZC4905 E *date time applid termid tranid* **Chain FSM error.** *sense* **((***instance***) Module name: {DFHZDET | DFHZERH | DFHZRAC | DFHZRLP | DFHZSDL | DFHZSLX})**

Explanation: The chain finite state machine (FSM) has reported an error in the use of APPC chaining protocols.

For the meaning of the sense data, see the explanation on page 678.

System Action: The task is abnormally terminated with a dump.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: If this message occurs after a persistent sessions restart, look for associated messages for more guidance. The problem might be temporary.

If this message occurs during normal system execution, investigate any transactions running on the session at the time of failure because the error can be caused by using both the LAST and WAIT options on an EXEC CICS SEND command in an APPC DTP application. This combination of parameters is not recommended. See the *CICS Distributed Transaction Programming Guide* for more information. If this is not the cause of the problem, you will need further assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CSNE

Modules: DFHZRAC, DFHZRLP, DFHZSDL, DFHZSLX, DFHZERH, DFHZDET

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZRLP, 2=DFHZRLP, 3=DFHZRLP, 4=DFHZRLP, 5=DFHZRLP, 6=DFHZRLP, 7=DFHZRLP, 8=DFHZDET, 9=DFHZERH, 10=DFHZSDL, 11=DFHZSDL, 12=DFHZSLX, 13=DFHZSLX, 14=DFHZSLX, 15=DFHZSLX, 16=DFHZSLX, 17=DFHZSLX, 18=DFHZSLX, 19=DFHZSLX, 20=DFHZSLX, 21=DFHZSLX, 22=DFHZRAC, 23=DFHZRAC, 24=DFHZRAC, 25=DFHZRAC, 26=DFHZRAC, 27=DFHZRAC, 28=DFHZRAC}*

DFHZC4906 E *date time applid termid tranid* **Contention FSM error.** *sense* **((***instance***) Module name: {DFHZCLS | DFHZDET | DFHZRAC | DFHZRLP})**

Explanation: The contention finite state machine (FSM) has reported an error in the use of APPC contention protocols.

For the meaning of the sense data, see the explanation on page 678.

System Action: The task is abnormally terminated with a dump.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: If this message occurs after a persistent sessions restart, look for associated messages for more guidance. The problem might be temporary.

If this message occurs during normal system execution, you will need further assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CSNE

Modules: DFHZRAC, DFHZRLP, DFHZDET, DFHZCLS DFHZCC

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZDET, 2=DFHZRAC, 3=DFHZRAC, 4=DFHZRAC, 5=DFHZRAC, 6=DFHZRAC, 7=DFHZRAC, 8=DFHZRAC, 9=DFHZRAC, 10=DFHZRAC, 11=DFHZRLP, 12=DFHZRAC, 13=DFHZRAC, 14=DFHZRAC, 15=DFHZRAC, 16=DFHZRAC, 17=DFHZCLS}*

DFHZC4907 E *date time applid termid tranid* **Invalid request to send data routine.** *sense* **((***instance***) Module name: {DFHZSDL})**

Explanation: DFHZSDL was entered, but no valid request was passed to it.

For the meaning of the sense data, see the explanation on page 678.

System Action: The task is abnormally terminated with a dump.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CSNE

Module: DFHZSDL

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZSDL, 2=DFHZSDL, 3=DFHZSDL, 4=DFHZSDL, 5=DFHZSDL}*

DFHZC4909 E *date time applid termid tranid* **Invalid request to receive data routine.** *sense* **((***instance***) Module name: {DFHZRVL})**

Explanation: DFHZRVL was entered, but no valid request was passed.

For the meaning of the sense data, see the explanation on page 678.

System Action: The task is abnormally terminated with a dump.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CSNE

Module: DFHZRVL

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZRVL}*

DFHZC4910 E *date time applid termid tranid* **Receive buffer too small.** *sense* **((***instance***) Module name: {DFHZRVL})**

Explanation: The receive buffer passed to DFHRVL is too small to accommodate a maximum size request unit.

For the meaning of the sense data, see the explanation on page 678.

System Action: The task will be abnormally terminated with a dump.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CSNE

Module: DFHZRVL

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZRVL, 2=DFHZRVL, 3=DFHZRVL, 4=DFHZRVL}*

DFHZC4911 E *date time applid termid tranid* **LU6.2 exception response received.** *sense* **((***instance***) Module name: {DFHZRLP})**

Explanation: A non-process-level exception response has been received.

For the meaning of the sense data, see the explanation on page 678.

System Action: The task is abnormally terminated with a dump.

User Response: Incorrect flows have been received on an APPC session. The CICS trace gives further details of the flow. Try to recreate the error by running a VTAM trace TYPE=IO/BUF to obtain complete details of the line flow.

Destination: CSNE

Module: DFHZRLP

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZRLP}*

DFHZC4912 E *date time applid termid tranid* **BID received with invalid DFC indicators.** *sense* **((***instance***) Module name: {DFHZRAC | DFHZRLP})**

Explanation: BID with data received, but not OIC.

For the meaning of the sense data, see the explanation on page 678.

System Action: The task is abnormally terminated.

User Response: Incorrect flows have been received on an APPC session. The CICS trace gives further details of the flow. It may help to run a VTAM trace TYPE=IO/BUF and repeat the error to obtain complete details of the line flow.

Destination: CSNE

Modules: DFHZRAC, DFHZRLP

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZRLP, 2=DFHZRAC, 3=DFHZRAC}*

DFHZC4913 E *date time applid termid tranid* **BID with data received with invalid DFC indicators.** *sense* **((***instance***) Module name: {DFHZRLP})**

Explanation: A BID with data was received in an invalid state for rejection.

For the meaning of the sense data, see the explanation on page 678.

System Action: The task is abnormally terminated.

User Response: Incorrect flows have been received on an APPC session. The CICS trace gives further details of the flow. It may help to run a VTAM trace TYPE=IO/BUF and repeat the error to obtain complete details of the line flow.

Destination: CSNE

Module: DFHZRLP

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZRLP, 2=DFHZRLP, 3=DFHZRLP, 4=DFHZRLP}*

DFHZC4914 E *date time applid termid tranid* **Data length exceed max RU size.** *sense* **((***instance***) Module name: {DFHZRLP})**

Explanation: The record length received exceeds the buffer length.

For the meaning of the sense data, see the explanation on page 678.

System Action: The task is abnormally terminated.

User Response: Incorrect flows have been received on an APPC session. The CICS trace gives further details of the flow. It may help to run a VTAM trace TYPE=IO/BUF and repeat the error to obtain complete details of the line flow.

Destination: CSNE

Module: DFHZRLP

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZRLP}*

DFHZC4915 E *date time applid termid tranid* **EOC received with invalid DFC indicators.** *sense* **((***instance***) Module name: {DFHZRLP})**

Explanation: An end chain was received with invalid DFC indicators.

For the meaning of the sense data, see the explanation on page 678.

System Action: The task is abnormally terminated.

User Response: Incorrect flows have been received on an APPC session. The CICS trace gives further details of the flow. It may help to run a VTAM trace TYPE=IO/BUF and repeat the error to obtain complete details of the line flow.

Destination: CSNE

Module: DFHZRLP

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZRLP}*

DFHZC4916 E *date time applid termid tranid* **Send response failed.** *sense* **((***instance***) Module name: {DFHZRLP})**

Explanation: A response, sent to acknowledge successful receipt of data, was rejected by VTAM.

For the meaning of the sense data, see the explanation on page 678.

System Action: The task is abnormally terminated with a dump.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CSNE

Module: DFHZRLP

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZRLP}*

DFHZC4917 E *date time applid termid tranid* **BIS received with invalid DFC indicators.** *sense* **((***instance***) Module name: {DFHZRLP})**

Explanation: Bracket initiation stopped (BIS) received with invalid DFC flags.

For the meaning of the sense data, see the explanation on page 678.

System Action: The task is abnormally terminated.

User Response: Incorrect flows have been received on an APPC session. The CICS trace will give further details of the flow. It may help to run a VTAM trace TYPE=IO/BUF and repeat the error to obtain complete details of the line flow.

Destination: CSNE

Module: DFHZRLP

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZRLP, 2=DFHZRLP}*

DFHZC4918 E *date time applid termid tranid* **Unexpected response received.** *sense* **((***instance***) Module name: {DFHZRLP})**

Explanation: An unexpected response was received that was either a positive response to data of a previous bracket, or a response to a command that cannot be accepted when the logical unit is in “continue specific” mode.

For the meaning of the sense data, see the explanation on page 678.

System Action: The task is abnormally terminated.

User Response: Incorrect flows have been received on a APPC session. The CICS trace will give further details of the flow. It may help to run a VTAM trace TYPE=IO/BUF and repeat the error to obtain complete details of the line flow.

Destination: CSNE

Module: DFHZRLP

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZRLP, 2=DFHZRLP, 3=DFHZRLP, 4=DFHZRLP, 5=DFHZRLP}*

DFHZC4919 E *date time applid termid tranid* **Invalid indicators received.** *sense* **((***instance***) Module name: {DFHZARER | DFHZARL})**

Explanation: An indicator other than CD, CEB, RQD2, or error response has been received.

For the meaning of the sense data, see the explanation on page 678.

System Action: The task is abnormally terminated with a dump.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CSNE

Modules: DFHZARL, DFHZARER, DFHZARL

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZARL, 2=DFHZARL, 3=DFHZARL, 4=DFHZARL, 5=DFHZARER}*

DFHZC4920 E *date time applid termid tranid* **Invalid data received.** *sense* **((***instance***) Module name: {DFHZARER | DFHZARL | DFHZERH})**

Explanation: Data received from the remote system or terminal is not in correct generalized data stream (GDS) format.

For the meaning of the sense data, see the explanation on page 678.

System Action: The task is abnormally terminated with a dump.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CSNE

Modules: DFHZARL, DFHZARER, DFHZERH

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZERH, 2=DFHZERH, 3=DFHZERH, 4=DFHZERH, 5=DFHZERH, 6=DFHZERH, 7=DFHZARL, 8=DFHZARL, 9=DFHZARL, 10=DFHZARER, 11=DFHZARER, 12=DFHZARER}*

DFHZC4921 E *date time applid sysid* **LU services manager failure. R15 =***X'xxxxx'* **R0 =***X'yyyyy'*

Explanation: An error situation has been detected during the operation of the LU services manager transaction program (DFHLUP).

Registers 15 and 0 are set to indicate the nature of the error as shown below:

```
Register 15 = X'0'   Task invalidly started ...
  Register 0 = X'3'   ... via a perm transid.
  Register 0 = X'4'   ... by a TD trigger.
  Register 0 = X'5'   ... without data.
  Register 0 = >X'6'   ... or is out of range of
                       a valid start code for this service.

Register 15 = X'4'   Call code did not match a
                     supported function (1-5).
 Register 0 = call code

Register 15 = X'8'   Invalid parameters passed
                     for this function.
 Register 0 = keyword #

Register 15 = X'0C'  Function-specific checks
                     failed for this keyword.
 Register 0 = keyword #

Register 15 = X'10'  No input data supplied.
 Register 0 = ¬0     The IC_GET for the TS START
                     data failed.
 Register 0 = X'0'   The LUTYPE6.2 RECEIVE
                     returned data
                     length=0.

Register 15 = X'14'  The GDS-ID is not for XLN.
 Register 0 = GDS-ID
```

System Action: The task is allowed to complete but the required function is not executed.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: If one of the errors mentioned above has occurred, try to discover the reason for the failure. If you fail in this, you will need further assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CSNE

Module: DFHLUP

XMEOUT Parameters: *date, time, applid, sysid, X'xxxxx', X'yyyyy'*

DFHZC4922 E *date time applid termid tranid* **Single session shutdown with DRAIN=CLOSE.** *sense* **((***instance***) Module name: {DFHZERH | DFHZGDA | DFHZRAC})**

Explanation: The connected logical unit has sent Bracket Initiation Stopped (BIS) and can accept no more work.

For the meaning of the sense data, see the explanation on page 678.

System Action: If a conversation was active, it is treated as though rollback had occurred on it for full syncpoint (syncpoint level 2), or as session failure for confirm-level syncpoint (syncpoint level 1).

If there was no conversation, it is treated as a BID failure (as for 0813 sense code).

User Response: None.

Destination: CSNE

Modules: DFHZRAC, DFHZGDA, DFHZERH

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZRAC, 2=DFHZGDA, 3=DFHZERH}*

DFHZC4923 I *date time applid termid tranid* **Conversation abnormally terminated by transaction end in system** *sysid*

Explanation: Transaction *tranid*, engaged in an SNA session with a CICS system, issued a command that was inconsistent with the transaction's current state in the conversation.

System Action: The conversation terminates and CICS sends this message to the connected logical unit at the nonfailing end of the conversation.

The application in system *sysid* abnormally terminates with an abend.

User Response: Correct the application program. To find the command in error, use the state diagrams in the *CICS Intercommunication Guide*.

Destination: CSMT

Module: DFHZARL

XMEOUT Parameters: *date, time, applid, termid, tranid, sysid*

DFHZC4924 E *date time applid termid tranid* **Bind security password missing or invalid.** *sense* **((***instance***) Module name: {DFHZBLX | DFHZOPX | DFHZSCX})**

Explanation: Bind-time security data sent to CICS by its partner LU is missing or invalid. CICS's password for the partner LU system differs from the partner's password for CICS. This can be caused by an attempt to sign on to CICS by an unauthorized user.

For the meaning of the sense data, see the explanation on page 678.

System Action: The bind is rejected.

User Response: Check that an unauthorized user has not tried to log on to CICS. Ensure that the unsuccessful connection is correctly defined to CICS (using RDO or the DFHTCT macro) and to its partner LU system. Ensure that the security requirements are equal at both partners, that is, both have security off, or both have security on. A mismatch is one cause of this message.

Destination: CSNE

Modules: DFHZSCX, DFHZOPX, DFHZBLX

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZOPX, 2=DFHZBLX, 3=DFHZBLX, 4=DFHZBLX, 5=DFHZBLX, 6=DFHZOPX, 7=DFHZOPX, 8=DFHZOPX, 9=DFHZOPX, 10=DFHZSCX}*

DFHZC4925 E *date time applid termid tranid* **Inconsistent attach security required.** *sense* **((***instance***) Module name: {DFHZOPN | DFHZOPX})**

Explanation: This message can be issued for any of the reasons listed below.

1. CICS has received a bind request specifying attach time security requirements different from those specified in the first bind.
2. CICS has received a bind requesting persistent verification.
3. CICS has received a bind which does not include an SNA functional management header (FMH12).

For the meaning of the sense data, see the explanation on page 678.

System Action: CICS rejects the bind.

User Response: CICS does NOT allow subsequent binds to specify different security requirements from the first bind. It will not support persistent verification on input either.

Where applicable, alter your applications to meet these requirements.

Destination: CSNE

Modules: DFHZOPX, DFHZOPN

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZOPX, 2=DFHZOPN, 3=DFHZOPN, 4=DFHZOPX}*

DFHZC4926 E *date time applid termid tranid* **Bind security encryption error.** *sense* **((***instance***) Module name: {DFHZEV1 | DFHZEV2})**

Explanation: CICS detected an error while verifying an encrypted bind security password.

For the meaning of the sense data, see the explanation on page 678.

System Action: CICS rejects the bind.

User Response: Investigate the CSNE and CSMT logs.

Find out whether an unauthorized user tried to log on to CICS, or whether an authorized user entered his password incorrectly.

Destination: CSNE

Modules: DFHZEV1, DFHZEV2

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZEV1, 2=DFHZEV2, 3=DFHZEV1}*

DFHZC4927 E *date time applid termid tranid* **Bind FMH response error.** *sense* **((***instance***) Module name: {DFHZRAC})**

Explanation: CICS received a bind with bind security without an FMH12.

For the meaning of the sense data, see the explanation on page 678.

System Action: CICS rejects the bind.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: This is an error either in CICS or in SNA. Keep the CSNE and CSMT logs. You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CSNE

Module: DFHZRAC

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZRAC, 2=DFHZRAC, 3=DFHZRAC, 4=DFHZRAC}*

DFHZC4928 E *date time applid termid tranid* **Bind security GETMAIN of a TIOA failed.** *sense* **((***instance***) Module name: {DFHZEV1})**

Explanation: CICS required a TIOA work area for bind security validation, but the GETMAIN failed because insufficient storage was available.

System Action: CICS rejects the bind.

User Response: Consider increasing the size of the CICS region or reducing the number of concurrent CICS tasks (MXT parameter in the system initialization table).

Destination: CSNE

Module: DFHZEV1

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZEV1}*

DFHZC4929 *date time applid termid tranid* **Invalid or unsupported BIND for logmode** *logmode*. **Response** *X'response'*, **Reason** *X'reason'* **((***instance***) Module:** *{DFHZOPN}***)**

Explanation: CICS has detected an error while validating the BIND supplied by VTAM for a CICS typeterm definition defined with LOGMODE=0 or LOGMODE=*logmode*.

The *response* code indicates:

X'04' The BIND supplied does not match the TCTTE – detected by DFHZBANS.

X'08' The BIND supplied is unsupported – detected by DFHZBANV.

X'0C' The BIND supplied is invalid – detected by DFHZBANV.

The *reason* code for a response of X'04' is as follows:

X'1B' Unsupported TCTTE type or not VTAM

X'1C' No NIB descriptor chained from TCTTE

X'1D' No BMS extension chained from TCTTE

X'1E' Same as for reason code X'1D'

X'1F' LU6.2 BIND, but TCTTE does not match.

The *reason* code for a response of X'08' or X'0C' is as follows:

Reason Hex	Invalid byte	Explanation
1	3	Should be hex 02, 03, 04 or 07
2-8	4|5|6|7	Invalid for this FM profile
9	2	Should be hex 00, 02, 03, 04, 07, 13 or 14
0A,0D,10	1	Invalid for LUTYPE 1,2 or 3 - must be hex 01
0B	4|5|6|7	Invalid for LUTYPE 1
0C	22	Invalid for LUTYPE 1
0E	4|5|6|7	Invalid for LUTYPE 2
0F	24	Invalid for LUTYPE 2 should be hex 00, 01, 02, 03, 7E, or 7F
11	4|5|6|7	Invalid for LUTYPE 3
12	24	Invalid for LUTYPE 3 should be hex 00, 01, 02, 03, 7E, or 7F
13	16	Invalid for LUTYPE 6.2
14	23	Invalid for LUTYPE 6.2
15-18	24	Invalid for LUTYPE 6.2
19	15	Should be hex 00 or 02
1A	14	Should be hex 00, 01, 02, 03, 06
1B and over	User Data	The reason code matches the byte position in the BIND for the error detected. These can be: - Session ID length unsupported - should be 3 to 11 - PLU/SLU name length unsupported - should be 2 to 19 - PLU/SLU defined twice - Length invalid - Session qualifier pairs have inconsistent lengths.

System Action: CICS rejects the logon request. The BIND being validated is printed with this message.

User Response: Use the response and reason codes and the printed BIND, together with the VTAM definition of the BIND for the relevant LOGMODE to determine the reason for the rejection.

Either change the logmode or use a different one that matches CICS requirements.

Destination: CSMT

Module: DFHZOPN

XMEOUT Parameters: *date, time, applid, termid, tranid, logmode, X'response', X'reason', instance, {1=DFHZOPN}*

DFHZC4930 E *date time applid termid tranid* **Session unbound following read timeout.** *sense* **((***instance***) Module name: {DFHZARER | DFHZARL})**

Explanation: A READ timeout has occurred on the SNA link. SNA unbinds the session and CICS returns control to the application program. This allows the program to override the system action (for example, the program could free the APPC session).

For the meaning of the sense data, see the explanation on page 678.

System Action: CICS abends the task abnormally with a dump.

User Response: This is probably a network problem caused by a high level of network traffic. To avoid this problem, increase the Read Timeout (RTIMOUT) to a sufficiently high value to compensate for the level of network traffic. Alternatively, this problem may have arisen simply because the partner application failed to respond due to a programming error. If this is the case, correct the partner application and retry the request.

Destination: CSNE

Modules: DFHZARL, DFHZARER.

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZARL, 2=DFHZARL, 3=DFHZARER}*

DFHZC4931 E *date time applid termid tranid* **VTAM detected bad logmode name.** *sense* **((***instance***) Module name: {DFHZLEX})**

Explanation: Either a MODENAME passed to VTAM during an attempt to bind an APPC session is not known to VTAM, or the logmode name of a VTAM 3270-type terminal is not valid.

For the meaning of the sense data, see the explanation on page 678.

System Action: CICS places the session permanently out of service and for APPC, the mode entry is flagged unusable.

User Response: Either redefine the sessions using a MODENAME that is known to VTAM, or add the MODENAME to the VTAM LOGMODE table. Alternatively, if the logmode name specified for a VTAM terminal is invalid, redefine the terminal entry using the correct name.

Destination: CSNE

Module: DFHZLEX

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZLEX}*

DFHZC4932 E *date time applid termid tranid* **Invalid conversation type requested.** *sense* **((***instance***) Module name: {DFHZSUP})**

Explanation: A request to attach a task has been received across an APPC link. However, there is an error in the conversation type field. It must be TYPE=MAPPED or TYPE=UNMAPPED.

For the meaning of the sense data, see the explanation on page 678.

System Action: The task is abended and a dump is produced. The session is unbound.

User Response: The remote APPC system sends an invalid attach header (FMH Type 5). Use the supplied dump to determine the error and investigate the cause at the remote system.

Destination: CSNE

Module: DFHZSUP

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZSUP}*

DFHZC4933 E *date time applid termid tranid* **Invalid DBA requested.** *sense* **((***instance***) Module name: {DFHZSUP})**

Explanation: A request to attach a task has been received across an APPC link. However, there is an error in the DBA field.

For the meaning of the sense data, see the explanation on page 678.

System Action: The task abends and a dump is produced. The session is unbound.

User Response: The remote APPC system sends an invalid attach header (FMH Type 5). Use the supplied dump to determine the error and investigate the cause at the remote system.

Destination: CSNE

Module: DFHZSUP

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZSUP}*

DFHZC4934 E *date time applid termid tranid* **Invalid syncpoint level requested.** *sense* **((***instance***) Module name: {DFHZSUP})**

Explanation: A request to attach a task has been received across an APPC link. However, the synchronization level requested is invalid.

For the meaning of the sense data, see the explanation on page 678.

System Action: The task abends and a dump is produced.

User Response: The remote APPC system sends an invalid attach header (FMH Type 5). Use the supplied dump to determine the error and investigate the cause at the remote system.

Check the sync level in the ATTACH header against that in the BIND.

Destination: CSNE

Module: DFHZSUP

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZSUP}*

DFHZC4935 E *date time applid termid tranid* **Invalid UOWID supplied.** *sense* **((***instance***) Module name: {DFHZSUP})**

Explanation: A request to attach a task has been received across an APPC link and either the unit of work ID is invalid, or no UOWID was received when the sync point level required it.

For the meaning of the sense data, see the explanation on page 678.

System Action: The task abends and a dump is produced. The session is unbound.

User Response: The remote APPC system sends an invalid attach header (FMH Type 5). Use the supplied dump to determine the error and investigate the cause at the remote system.

Destination: CSNE

Module: DFHZSUP

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZSUP, 2=DFHZSUP, 3=DFHZSUP, 4=DFHZSUP, 5=DFHZSUP, 6=DFHZSUP}*

DFHZC4936 E *date time applid termid tranid* **Attach FMH or subfield length error.** *sense* **((***instance***) Module name: {DFHZSUP})**

Explanation: A request to attach a task has been received across an APPC link. However, there is an error in the FMH length or in the length of one of the sub-fields. This results in CICS being unable to determine which task to attach.

The instance *instance* is one of the following:

1 The FMH Length is not equal to the length of the fixed length portion + the length of all the sub fields.

2 The Conversation Correlator length within the FMH is greater than 8.

For the meaning of the sense data, see the explanation on page 678.

System Action: The task abends and a dump is produced.

User Response: The remote APPC system sends an invalid attach header (FMH Type 5). Use the supplied dump to determine the error and investigate the cause at the remote system.

Destination: CSNE

Module: DFHZSUP

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZSUP, 2=DFHZSUP}*

DFHZC4937 E *date time applid* **SAF request for LU6.2 bind has been rejected. Return Codes from the Security Manager are: RF=** *X'rf'* **and R0=** *X'r0' sense* **((***instance***) Module name: {DFHZEV1 | DFHZEV2 | DFHZOPN})**

Explanation: A security authorization facility (SAF) request to extract APPC bind-time security information from the external security manager (ESM) has been rejected with return code RF=X'*rf*'. and RO=X'*r0*'.

This is due either to the ESM being inactive or to the appropriate APPC profile not being defined to the ESM.

For the meaning of the sense data, see the explanation on page 678.

System Action: CICS rejects the bind.

User Response: Refer to the ESM manuals appropriate to your system to obtain information about the meanings of any return codes which may have been produced by the ESM.

If you are using RACF as your security manager, refer to the RACXTRT macro guidance documented in the *System Programming Library RACF* manual for the meaning of the return codes.

If the appropriate APPC profile had not been defined to the ESM, define the profile, perform a CICS security rebuild and then attempt to reestablish the APPC connection.

Destination: CSNE

Modules: DFHZEV1, DFHZEV2, DFHZOPN

XMEOUT Parameters: *date, time, applid, X'rf', X'r0', sense, instance, {1=DFHZOPN, 2=DFHZOPN, 3=DFHZOPN, 4=DFHZOPN, 5=DFHZOPN, 6=DFHZOPN, 7=DFHZOPN, 8=DFHZOPN, 9=DFHZEV1, 10=DFHZEV1, 11=DFHZEV1, 12=DFHZEV1, 13=DFHZEV2, 14=DFHZEV2, 15=DFHZEV2, 16=DFHZEV2}*

DFHZC4938 E *date time applid* **SAF request for LU6.2 bind has failed with ESM return code RF=** *X'rf'* **and reason code R0=** *X'r0' sense* **((***instance***) Module name: {DFHZEV1 | DFHZEV2 | DFHZOPN})**

Explanation: The external security manager (ESM) was attempting to process a security authorization facility (SAF) request. Processing has failed with return code RF=X'*rf*' and reason code R0=X'*r0*'.

For the meaning of the sense data, see the explanation on page 678.

System Action: CICS rejects the bind.

User Response: Refer to the ESM manuals appropriate to your system to obtain information about the meanings of any return codes or reason codes produced by the ESM.

If you are using RACF as your security manager, refer to the RACXTRT macro guidance documented in the *System Programming Library RACF* manual for the meaning of the return code and the reason code.

Destination: CSNE

Modules: DFHZEV1, DFHZEV2, DFHZOPN

XMEOUT Parameters: *date, time, applid, X'rf', X'r0', sense, instance, {1=DFHZOPN, 2=DFHZOPN, 3=DFHZEV1, 4=DFHZEV2}*

DFHZC4939 E *date time applid* **Extraction of LU6.2 security data has failed with ESM returncode RF=** *X'rf'* **and reason code R0=** *X'r0' sense* **((***instance***) Module name: {DFHZEV1 | DFHZEV2 | DFHZOPN})**

Explanation: A request to extract APPC bind-time security information has failed with return code RF=X'*rf*' and reason code R0=X'*r0*'. The profile information which was requested had not been previously defined to the external security manager (ESM).

For the meaning of the sense data, see the explanation on page 678.

System Action: CICS rejects the bind.

User Response: Check the profiles defined to the ESM. Create the missing APPC profile entry.

Refer to the ESM manuals appropriate to your system to obtain information about the meanings of any return codes or reason codes produced by the ESM.

If you are using RACF as your security manager, refer to the RACXTRT macro guidance documented in the *System Programming Library RACF* manual for the meaning of the return code and the reason code.

Destination: CSNE

Modules: DFHZEV1, DFHZEV2, DFHZOPN

XMEOUT Parameters: *date, time, applid, X'rf', X'r0', sense, instance, {1=DFHZOPN, 2=DFHZOPN, 3=DFHZEV1, 4=DFHZEV2}*

DFHZC4940 E *date time applid* **Bind time failure. No session key found in LU6.2 profile.** *sense* **((***instance***) Module name: {DFHZEV1 | DFHZEV2 | DFHZOPN})**

Explanation: APPC bind-time validation has failed. No session key has been found in the requested APPC profile information. When bind-time security has been defined between two logical units (LUs), a valid session key must have been defined for the encryption process. A null session key (that is, when no key is defined) is regarded as an error.

For the meaning of the sense data, see the explanation on page 678.

System Action: CICS rejects the bind.

User Response: Check the profiles defined to the external security manager (ESM). Create a valid session key for the appropriate APPC profile entry. DO NOT use the NOSESSKEY ESM option for XAPPC security profiles when using RACF.

Refer to the ESM manuals appropriate to your system to obtain information about the meanings of any return and reason codes which produced by the ESM.

If you are using RACF as your security manager, refer to the RACXTRT macro guidance documented in the *System Programming Library RACF* manual for the meaning of the return code and the reason code.

Destination: CSNE

Modules: DFHZEV1, DFHZEV2, DFHZOPN

XMEOUT Parameters: *date, time, applid, sense, instance, {1=DFHZOPN, 2=DFHZOPN, 3=DFHZEV1, 4=DFHZEV2}*

DFHZC4941 E *date time applid* **Bind time failure. LU6.2 profile locked.** *sense* **((***instance***) Module name: {DFHZEV1 | DFHZEV2 | DFHZOPN})**

Explanation: The external security manager (ESM) has requested profile information during bind-time validation but the requested profile is locked. When a profile is locked no sessions can be established.

For the meaning of the sense data, see the explanation on page 678.

System Action: CICS rejects the bind.

User Response: Check the profiles defined to the ESM. The system administrator may have locked the profile. Request that the profile be unlocked. Try once more when the profile has been unlocked.

If you are using RACF as your security manager, refer to the RACXTRT macro guidance documented in the *System Programming Library RACF* manual for further information.

Destination: CSNE

Modules: DFHZEV1, DFHZEV2, DFHZOPN

XMEOUT Parameters: *date, time, applid, sense, instance, {1=DFHZOPN, 2=DFHZOPN, 3=DFHZEV1, 4=DFHZEV2}*

DFHZC4942 E *date time applid* **Bind time failure. Expired LU6.2 profile found.** *sense* **((***instance***) Module name: {DFHZEV1 | DFHZEV2 | DFHZOPN})**

Explanation: The external security manager (ESM) has requested profile information during bind-time validation but the requested profile has expired.

For the meaning of the sense data, see the explanation on page 678.

System Action: CICS rejects the bind.

User Response: Check the profiles defined to the ESM. The system administrator needs to update the required profile. Request that the profile be updated. Try once more when the profile has been updated.

If you are using RACF as your security manager, refer to the RACXTRT macro guidance documented in the *System Programming Library RACF* manual for further information.

Destination: CSNE

Modules: DFHZEV1, DFHZEV2, DFHZOPN

XMEOUT Parameters: *date, time, applid, sense, instance, {1=DFHZOPN, 2=DFHZOPN, 3=DFHZEV1, 4=DFHZEV2}*

DFHZC4943 E *date time applid termid tranid* **RPL B FSM error.** *sense* **((***instance***) Module name: {DFHZSDL})**

Explanation: The finite state machine (FSM), for the APPC alternate RPL (RPL 'B'), has detected an error in the use of the RPL.

For the meaning of the sense data, see the explanation on page 678.

System Action: The task is abnormally terminated with abend code ATNI and a dump is produced.

User Response: If this message occurs when VTAM is terminating, it is not a serious problem and usually no response is necessary.

If this message occurs during normal system execution, you will need further assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CSNE

Module: DFHZSDL

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZSDL}*

DFHZC4944 *date time applid termid tranid* **Protocol Violation detected within bind security indicators.** *sense* **((***instance***) MODULE NAME: {DFHZBLX | DFHZOPX})**

Explanation: CICS has detected an error while validating the bind security specification. LOCAL security has been specified, but the bind contains data that indicates NON LOCAL security.

For the meaning of the sense data, see the explanation on page 678.

System Action: CICS rejects the bind.

User Response: Ensure that the correct data is sent in the bind for the required type of security.

Destination: CSMT

Modules: DFHZSCX, DFHZOPX, DFHZBLX

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZBLX, 2=DFHZBLX, 3=DFHZOPX, 4=DFHZOPX}*

DFHZC4945 E *date time applid termid tranid* **Session unbind request due to the forcepurge of a task.** *sense* **((***instance***) Module name: {DFHZARER})**

Explanation: A task was purged or forcepurged while it was suspended, waiting for an ISC request to complete.

For the meaning of the sense data, see the explanation on page 678.

System Action: An unbind is requested for the session against which the ISC request was waiting and the task is abended A FORCEPURGE command causes the task to be abended irrespective of the state of the session. Other VTAM error messages may result from this action.

User Response: Investigate the reasons the task was purged or forcepurged because it may have been the result of an application error. In addition, the partner task in the connected CICS system will have session failure notification returned on the next ISC request after the session has been unbound. Check that the partner task has handled the situation.

Destination: CSNE

Module: DFHZARER

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZARER}*

DFHZC4946 E *date time applid termid tranid* **Invalid attach parameter was received.** *sense* **((***instance***) Module name: {DFHZSUP})**

Explanation: A request to attach a task has been received across an APPC link. However there is an error in the FMH attach parameters. An attach parameter is present that is not authorized by the bind security indicators.

The *sense* data can take the following values:

Sense	Meaning
1	The bind security indicators show that the connection is defined as ATTACHSEC(LOCAL) indicating that this LU does not accept any security parameters in an attach from the partner LU. One or more of the following security parameters has been found: Userid, Password, Profile, AV, PV1 and PV2.
2	An already-verified (AV) indicator has been received in an attach from the partner LU, but the bind security indicators show that this LU does not support the receipt of the AV indicator.
3	A persistent verification signon (PV2) indicator, or a persistent verification signed-on (PV1) indicator, has been received in an attach from the partner LU, but the bind security indicators show that this LU does not support the receipt of the PV indicators.

System Action: The task abends and a dump is produced and the session is unbound. An exception trace point (number 1737) for component TF is issued, tracing the invalid attach header (FMH type 5).

User Response: Investigate the cause of the error which is in the remote system. Use the FMH5 in the exception trace to determine why the remote system sent an invalid attach request.

Destination: CSNE

Module: DFHZSUP

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZSUP, 2=DFHZSUP, 3=DFHZSUP, 4=DFHZSUP, 5=DFHZSUP}*

DFHZC4947 E *date time applid termid tranid* **Attach time security check has failed. Security not valid.** *sense* **((***instance***) Module name: {DFHZGXA | DFHZSUP})**

Explanation: A request to attach a task has been received over an APPC link. However the FMH5 attach parameters do not conform to the APPC protocol.

The *instance* data can take the following values:

Sense	Meaning
1	Unrecognized access security subfield
2	Multiple userid access security subfields present
3	Multiple profile access security subfields present
4	Multiple password access security subfields present
5	Userid required in FMH but not received
6	PV1 and PV2 security indicators both present in FMH5
7	Password received when AV indicator set
8	Password received when PV1 indicator set
9	Password required for PV2 but not received.

System Action: The attach request is rejected and the session is unbound. An exception trace point (number 1737) for component TF is issued tracing the invalid attach header (FMH type 5).

User Response: Investigate the cause of the error which is in the remote system. Use the FMH5 in the exception trace, to determine why the remote system sent an invalid attach request.

If the remote system has an earlier release of CICS or CICS on another platform and the sense value given is 5 then you may need to set USEDFLTUSER. See 'Attach Time Security and the USEDFLTUSER option' in chapter 12 of the *CICS RACF Security Guide*.

Destination: CSNE

Modules: DFHZSUP, DFHZGXA

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZSUP, 2=DFHZSUP, 3=DFHZSUP, 4=DFHZSUP, 5=DFHZSUP, 6=DFHZSUP, 7=DFHZSUP, 8=DFHZSUP, 9=DFHZSUP, 10=DFHZSUP, 11=DFHZSUP, 12=DFHZSUP, 13=DFHZSUP, 14=DFHZSUP, 15=DFHZGXA, 16=DFHZGXA, 17=DFHZGXA, 18=DFHZGXA, 19=DFHZGXA, 20=DFHZGXA, 21=DFHZGXA, 22=DFHZGXA, 23=DFHZGXA, 24=DFHZGXA, 25=DFHZGXA, 26=DFHZGXA, 27=DFHZGXA, 28=DFHZGXA, 29=DFHZGXA}*

DFHZC4948 E *date time applid* **An error has been detected when processing an***{ unknown | inbound | outbound}{ request. | Persistent Verify Signoff request. | Persistent Verify Timeout request.}* **Transaction** *tranid* **is***{ continuing. | terminating. | terminating abnormally.}* **Error code:** *X'xxxxx'* **Connection:** *yyyy*

Explanation: An error has been detected during the execution of transaction CLS3. The error code indicates the nature of the error:

X'01' Transaction CLS3 issued an unsuccessful communications request on an APPC session.

X'02' Transaction CLS3 was started by a START command with data, but the format of the data was incorrect.

X'04' Transaction CLS3 is attempting to send a signoff request to a remote system, but the connection to the remote system is not an APPC connection.

X'06' Transaction CLS3 was not started by terminal input, nor by a START command.

X'09' Transaction CLS3 was started by a START command with data, but the data could not be retrieved.

X'0A' Transaction CLS3 is attempting to send a signoff request to a remote system, but there is no connection to the remote system.

X'0B' Transaction CLS3 unsuccessfully attempted to allocate an APPC session to a remote system.

System Action: Depending upon the nature of the event that gave rise to the message, the transaction continues execution, terminates normally, or terminates abnormally. The message text indicates which action is being taken.

User Response: This depends upon the error code:

X'01' Determine why the communications request on the APPC session failed. Possible reasons are:

- There has been a session failure.
- The connected transaction has abended.

This error produces an exception trace, which helps to determine the cause of the problem.

X'02' Ensure that transaction CLS3 was started by CICS-supplied code, and not by application code. If it was started by CICS-supplied code, contact your IBM Support Center.

X'04' Check the connection definition for the remote system. It should be an APPC connection.

X'06' Ensure that transaction CLS3 was started by CICS-supplied code, and not by application code. If it was started by CICS-supplied code, contact your IBM Support Center.

X'09' Determine why the data could not be retrieved. If you are unable to do so, contact your IBM Support Center

X'0A' Ensure that the connection has been correctly defined

X'0B' Ensure that the connection is acquired and in service

Destination: CSNE

Module: DFHCLS3

XMEOUT Parameters: *date, time, applid, {1= unknown, 2= inbound, 3= outbound}, {1= request., 2=Persistent Verify Signoff request., 3=Persistent Verify Timeout request.}, tranid, {1= continuing., 2= terminating., 3= terminating abnormally.}, X'xxxxx', yyyy*

DFHZC4949 E *date time applid termid tranid netname* **Receive Any stall -** *{data lost. | response lost. | command lost. }***CLSDST return code** *X'rc' sense* **((***instance***) Module name: {DFHZRAC})**

Explanation: All the CICS Receive Any RPLs have been posted but the TCTTE for each one is waiting for a response from a VTAM terminal or session. All the Receive Any RPLs have been stalled for 10 dispatches of the TCP task (CSTP). This message is produced for each session that is in this situation. A VTAM session has not responded to a command such as BID or SHUTD sent by CICS. This is typically caused by a protocol error.

System Action: CICS is running with system initialization parameter RAPOOL=(n,n,FORCE) causing CICS to issue a VTAM CLSDST against the session, which causes the TCTTE's RPL to be completed and the session to be unbound.

The default NEP action is CLSDST, which causes CICS to clean up the TCTTE after the pending command has been terminated.

The Receive Any data received is discarded and the RA RPL is reissued.

User Response: Investigate the reason why the command has not completed. The TCTTE RPL is printed with the message.

It is important to look at any earlier DFHZC4949 messages because of the asynchronous nature of DFHZNAC. If the CLSDST has not completed, the RPL printed will be active and will show the RPL that can not complete. If the CLSDST has completed when DFHZNAC runs, the RPL printed will have a RTNCD/FDB2 of X'0C0B' but RPLREQ still shows what command would not complete.

If the CLSDST return code *rc* is non 0, the CLSDST macro has failed in DFHZRAC and the session remains hung. You may be able to free the session by using VTAM command V NET,INACT,ID=netname,I. You can find the reason for the CLSDST failure by looking at the RPL in the AP FC90 trace point for the CLSDST.

Destination: CSNE

Module: DFHZRAC

XMEOUT Parameters: *date, time, applid, termid, tranid, netname, {1=data lost. , 2=response lost. , 3=command lost. }, X'rc', sense, instance, {1=DFHZRAC, 2=DFHZRAC, 3=DFHZRAC}*

DFHZC4950 E *date time applid* **An error has occurred when attempting to attach the outbound Connection Quiesce Protocol transaction CQPO on session** *termid***. Release of connection** *sysid* **is continuing. ((***instance***) Module name: {DFHZCLS})**

Explanation: An error has been detected while attempting to attach the outbound transaction for the Connection Quiesce Protocol (CQPO) on an APPC session.

System Action: The release of the connection continues, but the Connection Quiesce Protocol will take place only if the partner system successfully initiates it.

User Response: Determine why transaction CQPO failed to attach. If you have installed the correct definition for the transaction, you should never see this message, and you may need to contact your IBM Support Center for assistance.

If the partner system did not initiate the Connection Quiesce Protocol, you may need to determine if there are units of work awaiting resync, or VTAM affinities to be ended before you can INITIAL start either of the connected systems.

Destination: CSNE

Module: DFHZCLS

XMEOUT Parameters: *date, time, applid, termid, sysid, instance, {1=DFHZCLS}*

DFHZC4951 E *date time applid* **An error has been detected when processing an***{ unknown | inbound | outbound}* **Connection Quiesce Protocol request. Transaction** *tranid* **is***{ continuing. | terminating. | terminating abnormally.}* **Error code:** *X'xxxxx'* **Connection:** *yyyy*

Explanation: An error has been detected during the execution of transaction *tranid*. The error code indicates the nature of the error:

X'01' Transaction *tranid* was not started by terminal input, nor by an internal CICS command.

X'02' Transaction *tranid* was started by an inbound FMH5, but the TPN was not the correct value for the Connection Quiesce Protocol.

X'03' Transaction *tranid* issued an unsuccessful communications request on an APPC session.

X'04' Transaction *tranid* has been attached by an inbound FMH5. The format of the data received from the remote system did not comply with the architecture for the Connection Quiesce Protocol.

X'05' Transaction *tranid* has received an unexpected response from the Recovery Manager.

X'06' Transaction *tranid* has been attached by an internal CICS command and has sent a Connection Quiesce Protocol request to the remote system. The format of the reply received from the remote system did not comply with the architecture for the Protocol.

X'07' Transaction *tranid* was started, but its principal facility is not a terminal or session.

System Action: Depending upon the nature of the event that gave rise to the message, the transaction continues execution, terminates normally, or terminates abnormally. The message text indicates which action is being taken.

User Response: This depends upon the error code:

X'01, 02, 07' Ensure that transaction *tranid* was started by CICS-supplied code, and not by application code. If it was started by CICS-supplied code, contact your IBM Support Center.

X'03' Determine why the communications request on the APPC session failed. Possible reasons are:

- There has been a session failure.
- The connected transaction has abended.

This error produces an exception trace, which helps to determine the cause of the problem.

In other cases, contact your IBM Support Center.

Destination: CSNE

Module: DFHCLS5

XMEOUT Parameters: *date, time, applid, {1= unknown, 2= inbound, 3= outbound}, tranid, {1=continuing., 2= terminating., 3=terminating abnormally.}, X'xxxxx', yyyy*

DFHZC5900 E *date time applid* **System** *sysid* **has shipped definitions but connection** *cccc* **is not known to this system.**

Explanation: CICS has received definitions from remote system *sysid*, but cannot find a connection named *cccc*.

System Action: CICS continues.

User Response: If you want these definitions to be accepted, install the necessary connection using CEDA, and retransmit the definitions from the remote system.

Destination: CSMT

Modules: DFHBSTZ1, DFHBSTZ2

XMEOUT Parameters: *date, time, applid, sysid, cccc*

DFHZC5901 E *date time applid* **Install for** *resource* **failed.** *xxxx* **could not obtain** *yyyy* **storage**

Explanation: When installing resource *resource*, CICS module *xxxx* could not get storage for the extent specified by the value of *yyyy*.

System Action: CICS continues.

User Response: If possible, increase the size of your CICS address space. Otherwise, consider reducing the number of resources used in one CICS run.

Destination: CSMT

Modules: DFHBSMIR, DFHBSMPP, DFHBSM62, DFHBSS, DFHBSSZM, DFHBSTB, DFHBSTB3, DFHBSTC, DFHBSTZ, DFHBSTZB, DFHBSTZO, DFHBSTZR, DFHBSTZV, DFHBSTZ1, DFHBSTZ2, DFHBSZZS

XMEOUT Parameters: *date, time, applid, resource, xxxx, yyyy*

DFHZC5902 E *date time applid* **Deletion of terminal** *termid* **failed. BMS Paging session still active**

Explanation: CICS cannot delete terminal *termid* because a BMS paging session is still active for the terminal.

System Action: CICS continues.

User Response: Sign on to terminal *termid* and purge the pages.

Destination: CSMT

Module: DFHBSTB

XMEOUT Parameters: *date, time, applid, termid*

DFHZC5903 E *date time applid* **Deletion of terminal** *termid* **failed. CICS logic error**

Explanation: CICS cannot delete the terminal *termid*, because the CICS batch data attach function (DIP) is still active for this terminal.

System Action: CICS continues. A system dump is taken with dumpcode ZC5903. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CSMT

Module: DFHBSTD

XMEOUT Parameters: *date, time, applid, termid*

DFHZC5904 E *date time applid* **Deletion of terminal** *termid* **failed. CEDF is still active**

Explanation: CICS cannot delete the terminal *termid* because an EDF session is still active for this terminal.

System Action: CICS continues.

User Response: Deactivate EDF for the terminal, and reinstall the group.

Destination: CSMT

Module: DFHBSTE

XMEOUT Parameters: *date, time, applid, termid*

DFHZC5905 E *date time applid* **Deletion of terminal** *termid* **failed. CICS logic error**

Explanation: CICS cannot delete terminal *termid* because the command level interface is still active for this terminal.

System Action: CICS continues. A system dump is taken with dumpcode ZC5905. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CSMT

Module: DFHBSTH

XMEOUT Parameters: *date, time, applid, termid*

DFHZC5906 E *date time applid* **Install failed because '***xxxx***' is not a permitted value for a terminal or connection name**

Explanation: A name of hexadecimal zeros has been used for a TERMINAL or CONNECTION definition.

This is a reserved value. CICS has failed to install the terminal or connection.

xxxx is the reserved value converted to printable hexadecimal. The error has probably been made using autoinstall.

System Action: CICS continues.

User Response: Correct the definition to use a valid name and reinstall the group.

Destination: CSMT

Modules: DFHBSS, DFHBSTZ, DFHBSTZ1, DFHBSTZ2 DFHBSMPP

XMEOUT Parameters: *date, time, applid, xxxx*

DFHZC5907 E *date time applid* **Deletion of remote shipped terminal failed for connection** *cccc***.**

Explanation: During the deletion of connection *cccc*, the connection was found to have shipped remote terminals. The deletion of one or more of these shipped remote terminals has failed.

System Action: CICS continues.

User Response: See message DFHZC5915 for further information.

Use CEMT to release the connection and put it OUT OF SERVICE, then retry the install of the connection.

Destination: CSMT

Module: DFHBSSZ

XMEOUT Parameters: *date, time, applid, cccc*

DFHZC5908 E *date time applid* **Install for terminal** *termid* **failed. The security manager gave return code** *retcode*

Explanation: CICS cannot install terminal *termid*. DFHXSMN gave the return code *retcode*.

System Action: CICS continues.

User Response: Check the value of the return code *retcode* in the *CICS Customization Guide*.

Destination: CSMT

Module: DFHBSTS

XMEOUT Parameters: *date, time, applid, termid, retcode*

DFHZC5909 E *date time applid* **Install of resource** *resource* **failed. Call to DFHIRP** *irp_function Return_code* **did not succeed, See DFHIRSDS for return code.**

Explanation: When installing resource *resource*, the CICS module DFHBSSZR made a call to an IR service *irp_function* which failed due to the specified return code,

System Action: CICS continues. The MRO connection *resource* is not installed.

User Response: For an explanation of the return code, see DFHIRSDS in the *CICS Data Areas* manual.

Also see the user response section of message DFHIR3780. This gives a list of reasons why starting IRC can fail. However, some of the reasons are now also applicable when adding an IRC connection when IRC is OPEN. For instance a return code of E8 is issued if you add an IRC connection when cross memory is requested on the new connection but is not being used on any existing connection and when the CICS DB2 attachment has been initialized.

Destination: CSMT

Module: DFHBSSZR

XMEOUT Parameters: *date, time, applid, resource, irp_function, Return_code*

DFHZC5911 E *date time applid* **Install for resource** *resource* **failed. Connection** *cccc* **not found**

Explanation: CICS could not find the connection *cccc* associated with resource *resource*.

System Action: CICS continues.

User Response: Install connection *cccc*.

Destination: CSMT

Module: DFHBSMIR

XMEOUT Parameters: *date, time, applid, resource, cccc*

DFHZC5912 E *date time applid* **Install for terminal** *termid* **failed. It is incompatible with connection** *cccc*

Explanation: The terminal *termid* and the connection *cccc* are mutually incompatible.

System Action: CICS continues.

User Response: Modify your definition of *termid* or *cccc*.

Destination: CSMT

Modules: DFHBSTZ, DFHBSTZ2

XMEOUT Parameters: *date, time, applid, termid, cccc*

DFHZC5913 E *date time applid* **Deletion of node** *id* **failed.** *{A table entry is locked. | A table entry was not found. | There was a logic error.}* **Table=***tabname* **Key(***key***) Module(***modname***) Instance=***inst***.**

Explanation: CICS cannot delete node *id*. The message explains the reason for the failure.

1. One of its TMP table entries is locked by other tasks.
2. A TMP table entry could not be found, possibly because the node was already deleted by another task.
3. There was a CICS logic error. A DFHTM0002 error message may have been issued as well.

The TMP table entry is identified by *tabname*. The key used in the table has a value *key*. The module that issued the message is identified by *modname* and the instance of the message in that module by *inst*.

System Action: The resource is not deleted. If the entry was locked, CICS issues one or more message DFHZC5980.

User Response: Choose the action which corresponds to the reason identified in the message:

1. See message DFHZC5980 for further information and guidance.
2. If the node is deleted, no action is needed. If the node exists, determine whether it was replaced while this request was running. If the entry exists and has not been replaced, you will need assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.
3. You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CSMT

Modules: DFHBSS, DFHBSSZ, DFHBSTZ, DFHBSTZ1, DFHBSTZ2, DFHBSTZV, DFHBSTZS, DFHBSTZZ

XMEOUT Parameters: *date, time, applid, id, {1=A table entry is locked., 2=A table entry was not found., 3=There was a logic error.}, tabname, key, modname, inst*

DFHZC5914 E *date time applid* **Deletion of terminal** *termid* **found another deletion of it in progress**

Explanation: CICS has failed to delete terminal *termid* because it is already marked as pending deletion.

It is likely that a CEDA user is installing this terminal.

System Action: CICS continues.

User Response: Check if a CEDA user is installing the terminal.

Destination: CSMT

Modules: DFHBSMIR, DFHBSMPP, DFHBSS, DFHBSTZ

XMEOUT Parameters: *date, time, applid, termid*

DFHZC5915 E *date time applid* **Deletion of node** *id* **failed.** *{The node is still in service. | The system entry is still in service. | The node has a task attached.}* **Module(***modname***).**

Explanation: CICS cannot delete node *id* The reason is identified in the message.

1. The terminal or session is still in service.
2. The system entry of this session is still in service.
3. A task is still attached to this terminal or session.

The module issuing the message is identified as *modname*.

System Action: CICS continues and does not delete the node.

User Response: Before retrying the deletion or replacement, perform the action which corresponds to the reason given in the message.

1. Set the node OUT OF SERVICE
2. Set the system entry OUT OF SERVICE.
3. Wait for activity to cease for this node.

Destination: CSMT

Modules: DFHBSMIR, DFHBSTZ

XMEOUT Parameters: *date, time, applid, id, {1=The node is still in service., 2=The system entry is still in service., 3=The node has a task attached.}, modname*

DFHZC5916 E *date time applid* **Deletion of terminal** *termid* **failed. It has pending DFHZCP activity**

Explanation: CICS cannot delete resource *termid* because DFHZCP activity is pending for this terminal. The resource could be a session belonging to a connection or a terminal TCTTE.

System Action: CICS continues.

User Response: Use exception trace point AP FCDE to determine what sort of activity is pending.

If this indicates that the VTAM CLSDST command is in progress, VTAM could be trying to contact a nonexistent or unavailable resource (indicated by NETNAME in the CEDA defintion for the resource). In this case, wait for a few minutes and retry the reinstall or discard. If you have access to the JOBLOG, message DFHZC3462 for the resource in question indicates that the CLSDST has finished.

If the resource is a terminal, put the terminal briefly into service and then take it out of service again, using the CEMT transaction.

Destination: CSMT

Module: DFHBSTZA

XMEOUT Parameters: *date, time, applid, termid*

DFHZC5917 E *date time applid* **Deletion of terminal** *termid* **failed. Error message writer still active**

Explanation: CICS cannot delete terminal *termid* because the error message writer is still active for this terminal.

System Action: CICS continues.

User Response: Put the terminal briefly into service and then take it out of service again, using the CEMT transaction.

Destination: CSMT

Module: DFHBSTZE

XMEOUT Parameters: *date, time, applid, termid*

DFHZC5918 E *date time applid* **Deletion of terminal** *termid* **Console** *consname* **failed. It has pending DFHZCP activity.**

Explanation: The MVS console *consname* has outstanding activity that prevents its deletion.

System Action: CICS continues.

User Response: After replying to any outstanding replies requested of this console, put the console briefly into service and then take it out of service again, using the CEMT transaction.

Destination: CSMT

Module: DFHBSTZO

XMEOUT Parameters: *date, time, applid, termid, consname*

DFHZC5919 E *date time applid* **Deletion of terminal** *termid* **failed. CICS logic error**

Explanation: CICS cannot delete terminal *termid* because of an error in disconnecting remote terminals.

System Action: CICS continues. A system dump is taken with dumpcode ZC5919. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CSMT

Module: DFHBSSZ

XMEOUT Parameters: *date, time, applid, termid*

DFHZC5920 E *date time applid* **Install of terminal** *termid* **failed. CICS logic error**

Explanation: This CICS system failed to install terminal *termid*. No terminals can be accepted yet because the system does not have a local system entry. There was probably a failure during CICS initialization.

System Action: CICS continues. A system dump is taken with dumpcode ZC5920. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CSMT

Modules: DFHBSTZ, DFHBSTZ2

XMEOUT Parameters: *date, time, applid, termid*

DFHZC5921 E *date time applid* **Install of terminal** *termid* **failed. VTAM support not loaded.**

Explanation: CICS failed to install terminal *termid* because CICS was initialized without VTAM support.

System Action: CICS continues processing.

User Response: To use VTAM, shut down CICS and restart with the system initialization parameter VTAM=YES, a TCT assembled with ACCESSMETHOD=VTAM, and appropriate RDO terminal definitions.

Destination: CSMT

Module: DFHBSZZV

XMEOUT Parameters: *date, time, applid, termid*

DFHZC5923 E *date time applid* **Install for terminal** *termid* **failed. CICS logic error**

Explanation: CICS failed to install terminal *termid* because the bind-image was invalid.

System Action: CICS continues. A system dump is taken with dumpcode ZC5923. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CSMT

Module: DFHBSZZV

XMEOUT Parameters: *date, time, applid, termid*

DFHZC5924 E *date time applid* **Install for terminal** *termid* **failed. CICS logic error**

Explanation: CICS failed to install terminal *termid* because the TCTTE contained no node information block (NIB) descriptor.

System Action: CICS continues. A system dump is taken with dumpcode ZC5924. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CSMT

Module: DFHBSZZV

XMEOUT Parameters: *date, time, applid, termid*

DFHZC5925 E *date time applid* **Deletion of connection** *cccc* **failed. Its AID-Chains are not empty**

Explanation: CICS did not delete connection *cccc* because the AID-chains for the remote system *cccc* are not empty.

System Action: CICS continues.

User Response: Using the CEMT transaction, put the connection into service to allow the outstanding AIDs to be processed. Then take the connection out of service to allow deletion.

Destination: CSMT

Module: DFHBSSA

XMEOUT Parameters: *date, time, applid, cccc*

DFHZC5926 E *date time applid* **Install for connection** *cccc* **failed. CICS logic error**

Explanation: CICS did not install the connection *cccc* because DFHZCP received no DATASTREAM operand.

System Action: CICS continues. A system dump is taken with dumpcode ZC5926. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CSMT

Module: DFHBSSZ6

XMEOUT Parameters: *date, time, applid, cccc*

DFHZC5927 E *date time applid* **Install for connection** *cccc* **failed. CICS logic error**

Explanation: CICS did not install the connection *cccc* because DFHZCP did not receive a RECORDFORMAT operand.

System Action: CICS continues. A system dump is taken with dumpcode ZC5927. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CSMT

Module: DFHBSSZ6

XMEOUT Parameters: *date, time, applid, cccc*

DFHZC5930 E *date time applid* **Remote connection (***sysid***) could not be deleted because it was in use by** *number* **sessions.**

Explanation: When remote connection *sysid* was being deleted, it was still in use by *number* of sessions.

System Action: The resource is not deleted. CICS continues.

User Response: Wait until access to this remote connection has quiesced and then retry the deletion.

Destination: CSMT

Module: DFHBSTZ2

XMEOUT Parameters: *date, time, applid, sysid, number*

DFHZC5931 E *date time applid* **Install for modename** *modename* **failed. Maximum number of APPC sessions would have been exceeded**

Explanation: CICS did not install a SESSIONS definition using MODENAME *modename* because it would have exceeded the maximum number of permitted sessions.

System Action: CICS continues.

User Response: Either wait for the system to become less busy, or delete some APPC sessions.

Destination: CSMT

Module: DFHBSM61

XMEOUT Parameters: *date, time, applid, modename*

DFHZC5932 E *date time applid* **Install for modename** *modename* **failed. Connection** *cccc* **not found**

Explanation: CICS did not install a SESSIONS definition using MODENAME *modename* because of an unknown name *cccc* in the CONNECTION parameter.

System Action: CICS continues.

User Response: Install connection *cccc.*

Destination: CSMT

Module: DFHBSM62

XMEOUT Parameters: *date, time, applid, modename, cccc*

DFHZC5933 E *date time applid* **Install for modename** *modename* **failed. Connection** *cccc* **is not valid here**

Explanation: CICS did not install a SESSIONS definition using MODENAME *modename* because the CONNECTION is not valid in this context.

System Action: CICS continues.

User Response: Modify your definition of remote system *cccc.*

Destination: CSMT

Module: DFHBSM62

XMEOUT Parameters: *date, time, applid, modename, cccc*

DFHZC5934 E *date time applid* **Install for modename** *modename* **failed. Single-session connection** *cccc* **is already in use.**

Explanation: CICS did not install a SESSIONS definition using MODENAME *modename* because the single-session CONNECTION *cccc* is already in use.

System Action: CICS continues.

User Response: Modify the definition of *cccc*.

Destination: CSMT

Modules: DFHBSM61, DFHBSM62

XMEOUT Parameters: *date, time, applid, modename, cccc*

DFHZC5936 E *date time applid* **Install for modename** *modename* **failed. Connection** *cccc* **has active modegroup** *xxxx*

Explanation: CICS has not installed a SESSIONS definition with MODENAME *modename* because the connection *cccc* already has an active MODEGROUP, *xxxx*.

System Action: CICS continues.

User Response: Put the connection briefly into service and then take it out of service again, using the CEMT transaction.

Destination: CSMT

Module: DFHBSM62

XMEOUT Parameters: *date, time, applid, modename, cccc, xxxx*

DFHZC5937 I *date time applid* **Deletion of modename** *modename* **found another deletion of it in progress**

Explanation: CICS has not deleted a SESSIONS definition with MODENAME *modename* because the definition is already pending deletion.

System Action: CICS continues.

User Response: Check if a CEDA user was installing the SESSIONS definition.

Destination: CSMT

Module: DFHBSM62

XMEOUT Parameters: *date, time, applid, modename*

DFHZC5938 E *date time applid* **Deletion of modename** *modename* **failed. Unable to delete session(s)**

Explanation: CICS is unable to delete a SESSIONS definition with MODENAME *modename* because of one or more errors reported in previous messages.

System Action: CICS continues.

User Response: Refer to any preceding messages for further information and guidance. Correct the reported errors.

Destination: CSMT

Module: DFHBSM61

XMEOUT Parameters: *date, time, applid, modename*

DFHZC5939 E *date time applid* **Install for** *name* **failed. Duplicate session- or modegroup-name for connection** *sysid*

Explanation: CICS is unable to install a session or modegroup as the session-name or modegroup-name *name* is duplicated. The duplicate might be another connection, session, modegroup or terminal. However it might also be the local connection which has the name specified by SYSIDNT in the system initialization table.

System Action: CICS continues processing, but the session or modegroup is not installed.

User Response: Change the duplicated session-name or modegroup-name.

Destination: CSMT

Modules: DFHBSMIR, DFHBSM62

XMEOUT Parameters: *date, time, applid, name, sysid*

DFHZC5940 E *date time applid* **Install for terminal** *termid* **failed. Error console cannot be deleted**

Explanation: You have tried to replace the error console, CERR. CICS does not allow this.

System Action: CICS continues with original error console.

User Response: Note this restriction.

Destination: CSMT

Module: DFHZCQDL

XMEOUT Parameters: *date, time, applid, termid*

DFHZC5941 E *date time applid* **Install for terminal** *termid* **failed. Console** *consname* **has a conversation outstanding**

Explanation: CICS was unable to install terminal *termid* because the console *consname* has posted an ECB.

System Action: Processing continues.

User Response: Put the terminal briefly into service and then take it out of service again, using the CEMT transaction.

Destination: CSMT

Module: DFHBSTZO

XMEOUT Parameters: *date, time, applid, termid, consname*

DFHZC5942 E *date time applid* **Node** *nodeid* **was not installed. The addition of key** *key* **to table** *tablename* **failed. RC=***X'return'***. Module(***modname***).**

Explanation: CICS cannot install the definition of node *nodeid* because an addition to a TMP table failed. CICS was trying to add the key *key* to the table *tablename*.

The return code from TMP is given in *return*. If the return code is 4, the entry was a duplicate. It is possible that another entry was added at the same time as this entry and used the same key. If this is not the case, CICS has suffered a logic error. The module that issued the message is indicated by *modname*.

System Action: CICS does not install the definition.

User Response: If the entry was not overlapped by another definition which conflicted with its key, or if the return code is not 4, you will need assistance from IBM to resolve the problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CSMT

Modules: DFHBSS, DFHBSTZ, DFHBSTZZ, DFHBSTZ1, DFHBSTZ2

XMEOUT Parameters: *date, time, applid, nodeid, key, tablename, X'return', modname*

DFHZC5943 E *date time applid* **MRO connection** *conname* **could not be deleted because IRC is open.**

Explanation: CICS cannot delete the connection *conname* because it is an MRO connection and interregion communication (IRC) is open.

System Action: The connection is not deleted.

User Response: Close the IRC definition and retry the Delete or Replace.

Destination: CSMT

Module: DFHBSS

XMEOUT Parameters: *date, time, applid, conname*

DFHZC5944 E *date time applid* **Install for** *type***(***id***) has failed. It would make a loop of connection definitions. Module(***modname***).**

Explanation: CICS cannot install definition of *type* called *id* because it would make a loop of connection definitions. The connection *type* may be an indirect connection or a remote connection. Indirect connections point to other connections with the INDSYS field, and remote connections point to other connections with the REMOTESYSTEM field. The module that issued the message is identified by *modname*.

System Action: CICS does not install the definition.

User Response: Determine the source of the loop either in the already installed definitions or in this definition, and change it before attempting to reinstall this definition.

Destination: CSMT

Modules: DFHBSSZI, DFHBSTZ2

XMEOUT Parameters: *date, time, applid, type, id, modname*

DFHZC5945 E *date time applid* **Deletion of sessions** *ssss* **failed. Connection** *cccc* **is defined to IRC**

Explanation: CICS has not deleted the SESSIONS definition, *ssss*, because the CONNECTION is still defined to IRC.

System Action: CICS continues.

User Response: Issue a CEMT SET IRC CLOSED command.

Destination: CSMT

Module: DFHBSTZR

XMEOUT Parameters: *date, time, applid, ssss, cccc*

DFHZC5946 E *date time applid* **Install for sessions** *ssss* **failed. Connection** *cccc* **is defined to IRC**

Explanation: CICS has not installed the SESSIONS definition, *ssss*, because the CONNECTION is already defined to IRC.

System Action: CICS continues.

User Response: Issue a CEMT SET IRC CLOSED command.

Destination: CSMT

Module: DFHBSTZR

XMEOUT Parameters: *date, time, applid, ssss, cccc*

DFHZC5947 E *date time applid* **Install for sessions** *ssss* **failed. CICS logic error**

Explanation: CICS has not installed the SESSIONS definition, *ssss*, because the CONNECTION name is not specified.

System Action: CICS continues. A system dump is taken with dumpcode ZC5947. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CSMT

Modules: DFHBSMIR, DFHBSTZR

XMEOUT Parameters: *date, time, applid, ssss*

DFHZC5948 E *date time applid* **Install for sessions** *ssss* **failed. Connection** *cccc* **is not suitable for IRC**

Explanation: CICS has not installed the SESSIONS definition, *ssss*, because the CONNECTION specified is not suitable for IRC.

System Action: CICS continues.

User Response: Modify your definition of *cccc*.

Destination: CSMT

Module: DFHBSTZR

XMEOUT Parameters: *date, time, applid, ssss, cccc*

DFHZC5949 E *date time applid* **Install for sessions** *ssss* **failed. It is incompatible with connection** *cccc*

Explanation: CICS has not installed the SESSIONS definition, *ssss*, because the CONNECTION specified does not support the required type of session. If you are replacing a connection of the same name but of a different type and the install fails for some other reason then this message may occur.

System Action: CICS continues.

User Response: Modify your definition of *cccc*.

Destination: CSMT

Modules: DFHBSMIR, DFHBSTZS, DFHBSTZR

XMEOUT Parameters: *date, time, applid, ssss, cccc*

DFHZC5950 E *date time applid* **Install for terminal** *termid* **failed. Console** *consname* **already exists**

Explanation: CICS has not installed the CONSOLE definition *termid* because the console ID, *consname*, already exists.

System Action: CICS continues without installing the terminal.

User Response: Use the CEDA transaction to define a different console ID and reinstall the terminal.

Destination: CSMT

Modules: DFHBSS, DFHBSTZ, DFHBSTZO

XMEOUT Parameters: *date, time, applid, termid, consname*

DFHZC5951 E *date time applid* **Deletion of connection** *ssss* **failed. Unable to delete sessions**

Explanation: CICS has not deleted the CONNECTION definition, *ssss*, because it cannot delete one or more sessions. A preceding message or messages should explain this failure.

System Action: CICS continues.

User Response: Refer to the preceding message for further information and guidance.

Destination: CSMT

Modules: DFHBSSZR, DFHBSSZ6

XMEOUT Parameters: *date, time, applid, ssss*

DFHZC5952 E *date time applid* **Deletion of terminal** *termid* **failed. It needs to be SET RELEASED**

Explanation: CICS cannot delete terminal *termid* because of its current state.

System Action: CICS continues.

User Response: Use the CEMT transaction to set terminal *termid* released and out of service.

Destination: CSMT

Module: DFHBSTZV

XMEOUT Parameters: *date, time, applid, termid*

DFHZC5953 E *date time applid* **CICS logic error**

Explanation: An object being installed did not have a bind-image.

System Action: CICS continues. A system dump is taken with dumpcode ZC5953. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CSMT

Module: DFHBSM62

XMEOUT Parameters: *date, time, applid*

DFHZC5954 E *date time applid* **Install for resource** *resource* **failed. Unable to install sessions component**

Explanation: CICS has failed to install resource *resource*. Previous message(s) should give the reason for the failure.

System Action: CICS continues.

User Response: Refer to any preceding messages for further information and guidance.

Destination: CSMT

Module: DFHBSTZC

XMEOUT Parameters: *date, time, applid, resource*

DFHZC5957 E *date time applid* **Arch. User-Data ID X'***xx* **occurs in bind. CICS logic error**

Explanation: The APPC SESSIONS object being installed is invalid because architected user-data IDs greater than X'02' occur in bind.

System Action: CICS does not install the object. A system dump is taken with dumpcode ZC5957. Message DFHME0116 is normally produced containing the symptom string for this problem. You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

User Response:

Destination: CSMT

Module: DFHBSM62

XMEOUT Parameters: *date, time, applid, xx*

DFHZC5958 E *date time applid* **Install failed for** *xxxx***. This is the name of the local system which must not be replaced.**

Explanation: A terminal or a connection was defined with the same name as the local system entry during the last run of CICS. This is not allowed as the local system entry cannot be replaced.

During cold or initial start of the current run of CICS, CICS attempted to install the group which included the invalid definition. CICS then issued this message.

System Action: CICS continues, but this terminal or connection is not installed.

User Response: Use the CEDA transaction to correct the terminal or connection name and install the group.

Destination: CSMT

Module: DFHBSSZL

XMEOUT Parameters: *date, time, applid, xxxx*

DFHZC5961 E *date time applid* **Deletion of surrogate** *xxxx* **failed. CICS logic error**

Explanation: CICS cannot delete a surrogate TCT entry.

System Action: CICS continues. A system dump is taken with dumpcode ZC5961. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CSMT

Modules: DFHBSTZ1, DFHBSTZ2

XMEOUT Parameters: *date, time, applid, xxxx*

DFHZC5962 E *date time applid* **Install for resource** *resource* **failed. Modename parameter not found**

Explanation: CICS has failed to install resource *resource* because the MODENAME parameter is missing.

System Action: CICS continues.

User Response: Supply the missing parameter.

Destination: CSMT

Module: DFHBSTZS

XMEOUT Parameters: *date, time, applid, resource*

DFHZC5963 E *date time applid operation* **RUSIZE** *xxxx* **from terminal** *termid* **was greater than TYPETERM RUSIZE** *yyyy***.**

Explanation: An autoinstall has been attempted with terminal *termid* that has a VTAM RECEIVESIZE greater than the corresponding TYPETERM RECEIVESIZE|SENDSIZE.

System Action: CICS continues. The autoinstall is rejected.

User Response: Increase the TYPETERM RECEIVESIZE or the TYPETERM SENDSIZE, OR decrease the RECEIVESIZEs in the VTAM LOGMODE table.

Destination: CSMT

Module: DFHBSZZV

XMEOUT Parameters: *date, time, applid, operation, xxxx, termid, yyyy*

DFHZC5964 E *date time applid* **Install for sessions** *ssss* **failed. CICS logic error.**

Explanation: CICS has failed to install SESSIONS *ssss* because the length of the BINDPASSWORD exceeds the limit of 8.

System Action: CICS continues. A system dump is taken with dumpcode ZC5964. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CSMT

Module: DFHBSSZS

XMEOUT Parameters: *date, time, applid, ssss*

DFHZC5965 *date time applid* **Pool delete for pool** *poolid* **failed. Terminal** *termid* **was being replaced at the same time.**

Explanation: CICS failed in an attempt to install or delete POOL definition *poolid*. A terminal *termid* in the pool was being deleted at the same time as the pool was being installed or deleted. This probably due to changing the terminal from a pooled terminal to a non-pooled terminal, or changing the pool name for a terminal in the same group. CICS cannot continue to modify the pool until the change to the terminal has completed.

System Action: CICS continues.

User Response: Once the deletion or modification of the terminal has succeeded, retry the installation.

Destination: CADL

Module: DFHBSMPP

XMEOUT Parameters: *date, time, applid, poolid, termid*

DFHZC5966 I *date time applid {INSTALL | DELETE | RESTORE}* **started for** *resource* **(***termid***) (Module name:** *modname***).**

Explanation: CICS is starting to install, delete or restore *resource*. The *resource* may be either a terminal, a connection, a modegroup, a session, or a pool_entry. Other messages are issued after this one if this installation, deletion or restoration fails.

System Action: CICS continues.

User Response: None.

Destination: CADL

Modules: DFHBSTZ, DFHBSMPP, DFHBSM62, DFHBSS, DFHBSMIR

XMEOUT Parameters: *date, time, applid, {1=INSTALL, 2=DELETE, 3=RESTORE}, resource, termid, modname*

DFHZC5967 E *date time applid* **Install for modename** *modename* **failed. Unable to install sessions**

Explanation: CICS has failed to install a SESSIONS definition using MODENAME *modename*. Previous message(s) should give the reason for the failure.

System Action: CICS continues.

User Response: Refer to the preceding message for further information and guidance.

Destination: CSMT

Module: DFHBSM61

XMEOUT Parameters: *date, time, applid, modename*

DFHZC5968 E *date time applid* **Unable to install LU Services Manager for modename** *modename*

Explanation: CICS has failed to install a CONNECTION definition for MODEGROUP *modename*. Previous message(s) should give the reason for the failure.

System Action: CICS continues.

User Response: Refer to any preceding messages for further information and guidance.

Destination: CSMT

Module: DFHBSSZP

XMEOUT Parameters: *date, time, applid, modename*

DFHZC5969 E *date time applid* **Deletion of dependent modename(s) failed for connection** *modename*

Explanation: CICS has failed to replace a CONNECTION definition for MODEGROUP *modename*. Previous message(s) should give the reason for the failure.

System Action: CICS continues.

User Response: Refer to any preceding messages for further information and guidance.

Destination: CSMT

Module: DFHBSSZS

XMEOUT Parameters: *date, time, applid, modename*

DFHZC5971 E *date time applid* **Delete of resource** *resource* **failed. CICS logic error**

Explanation: CICS failed to delete resource *resource* because of an unexpected signon state during the destroy operation.

System Action: CICS continues. A system dump is taken with dumpcode ZC5971. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CSMT

Module: DFHBSTS

XMEOUT Parameters: *date, time, applid, resource*

DFHZC5972 E *date time applid* **Delete of resource** *resource* **failed. It is still signed on**

Explanation: CICS failed to delete a TERMINAL or SESSIONS resource *resource* because a terminal or session is still signed on.

System Action: CICS continues.

User Response: Run the signoff transaction CESF and retry.

Destination: CSMT

Module: DFHBSTS

XMEOUT Parameters: *date, time, applid, resource*

DFHZC5973 E *date time applid* **Install for sessions** *ssss* **failed. Max session-count reached for modename** *modename*

Explanation: CICS failed to delete a SESSIONS definition *ssss* because the maximum session-count was reached for MODENAME *modename*.

System Action: CICS continues.

User Response: Delete some sessions in *modename*, or redefine *modename* with a higher maximum session-count.

Destination: CSMT

Module: DFHBSTZS

XMEOUT Parameters: *date, time, applid, ssss, modename*

DFHZC5974 E *date time applid* **Deletion of pool** *pppp* **failed. Unable to delete pool entries**

Explanation: CICS failed to delete a POOL *pppp*. Previous messages(s) should explain the cause of this failure.

System Action: CICS continues.

User Response: Refer to any previous messages for further guidance and information.

Destination: CSMT

Module: DFHBSMPP

XMEOUT Parameters: *date, time, applid, pppp*

DFHZC5975 E *date time applid* **Install for resource** *pppp* **failed. CICS logic error**

Explanation: CICS failed to install the POOL definition *pppp* because the required POOLID parameter was missing. This is a CICS logic error (probably in DFHTRZPP).

System Action: CICS continues. A system dump is taken with dumpcode ZC5975. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CSMT

Modules: DFHBSMPP, DFHBSTZP

XMEOUT Parameters: *date, time, applid, pppp*

DFHZC5976 E *date time applid* **CICS logic error**

Explanation: CICS failed to install a POOL definition because the required POOLCNT parameter was missing. This is a CICS logic error (probably in DFHTRZPP).

System Action: CICS continues. A system dump is taken with dumpcode ZC5976. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CSMT

Module: DFHBSMPP

XMEOUT Parameters: *date, time, applid*

DFHZC5977 E *date time applid* **Failure building pool entries**

Explanation: CICS failed to install a POOL definition, because of a failure in building pool entries. Previous messages should explain the cause of this failure.

System Action: CICS continues.

User Response: Refer to any previous messages for further information and guidance.

Destination: CSMT

Module: DFHBSMPP

XMEOUT Parameters: *date, time, applid*

DFHZC5978 E *date time applid* **Unable to replace pool** *pppp*

Explanation: CICS failed in an attempt to install or delete a POOL definition. Previous messages should explain the cause of this failure.

System Action: CICS continues.

User Response: Refer to previous messages for further information and guidance.

Destination: CSMT

Module: DFHBSMPP

XMEOUT Parameters: *date, time, applid, pppp*

DFHZC5979 E *date time applid* **Deletion of pool** *pppp* **failed. It still has session** *termid*

Explanation: CICS has failed to delete pool *pppp* because the pool still has an active session for terminal *termid*.

System Action: CICS continues.

User Response: Put the terminal out of service (using the CEMT transaction) and retry.

Destination: CSMT

Module: DFHBSTZP

XMEOUT Parameters: *date, time, applid, pppp, termid*

DFHZC5980 E *date time applid* **Resource** *resource* **is in use by task** *taskid* **Transaction** *tranid*

Explanation: The resource *resource* is in use. *taskid* is the task number, and *tranid* is the transaction ID.

System Action: CICS continues.

User Response: Wait for the termination of task *taskid*, and retry the operation.

Destination: CSMT

Modules: DFHBSS, DFHBSSZ, DFHBSTZ, DFHBSTZ1, DFHBSTZ2 DFHBST2V

XMEOUT Parameters: *date, time, applid, resource, taskid, tranid*

DFHZC5981 E *date time applid* **Pool** *pppp* **not found**

Explanation: CICS has failed to install a resource because POOL *pppp* does not exist. Previous messages should explain the cause of this failure.

System Action: CICS continues.

User Response: Refer to the previous messages for further information and guidance.

Destination: CSMT

Module: DFHBSTZP

XMEOUT Parameters: *date, time, applid, pppp*

DFHZC5982 E *date time applid* **Deletion of pool** *pppp* **failed. Pool entry is in use for** *termid*

Explanation: CICS has failed to delete POOL *pppp* because the pool still has an entry in use for terminal *termid*.

System Action: CICS continues.

User Response: Put the terminal out of service (using the CEMT transaction) and retry.

Destination: CSMT

Module: DFHBSMPP

XMEOUT Parameters: *date, time, applid, pppp, termid*

DFHZC5983 E *date time applid* **Unable to replace** *resource*

Explanation: CICS failed to install resource *resource* either because it already exists, or for reasons explained in previous messages.

Possible causes are:

- Non-VTAM and VTAM terminals defined with the same name. If a non-VTAM terminal is installed, CICS will not autoinstall a VTAM terminal with the same name.
- An attempt to replace your own terminal, or a terminal with the same name as the terminal being used to issue the CEDA command.
- An attempt to replace a terminal with the same REMOTENAME and REMOTESYSTEM as an earlier definition in the same group.

System Action: CICS continues.

User Response: Refer to previous messages for further information and guidance.

If no previous messages were issued, check your terminal identifiers.

Destination: CSMT

Modules: DFHBSS, DFHBSTZ, DFHBSS2, DFHBSTZ1, DFHBSTZ2

XMEOUT Parameters: *date, time, applid, resource*

DFHZC5984 E *date time applid* **The installation or deletion of** *restype1 resname1* **has failed. Task** *taskname taskid* **is updating related system definition** *sysname***. Module** *modname***.**

Explanation: The installation or deletion of the communications resource, *resname1* of resource type *restype1* has failed. This resource refers to a system entry, *sysname*, which is being updated by another task. The other task is identified by *taskname* and *taskid*. The resource type *restype1* can be terminal, remote terminal, connection, remote connection, or indirect connection. The message is issued by module *modname*.

System Action: CICS continues but reverses the effects of the installation or deletion.

User Response: Wait until the other task has completed then retry the action.

Destination: CSMT

Modules: DFHBSTZ, DFHBSTZ1, DFHBSTZ2, DFHBSSZI

XMEOUT Parameters: *date, time, applid, restype1, resname1, taskname, taskid, sysname, modname*

DFHZC5985 E *date time applid* **Install for resource** *resource* **failed. Unable to install connection component**

Explanation: CICS has failed to install resource *resource*. Previous message(s) should give the reason for the failure.

System Action: CICS continues.

User Response: Refer to previous messages for further information and guidance.

Destination: CSMT

Module: DFHBSTZC

XMEOUT Parameters: *date, time, applid, resource*

DFHZC5986 E *date time applid* **CICS logic error**

Explanation: Either the warm keypoint program (DFHWKP), or the query transaction (DFHQRY), made an invalid request which could not be implemented.

System Action: CICS continues. A system dump is taken with dumpcode ZC5986. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CSMT

Module: DFHZCQCH

XMEOUT Parameters: *date, time, applid*

DFHZC5987 E *date time applid* **The install or delete of** *restype1 resname1* **has failed. Task** *taskname taskid* **is changing a definition which uses the** *restype2 resname2***. Module** *modname* **.**

Explanation: The installation or deletion of communications resource *resname1* of resource type *restype1* has failed. Table builder services cannot complete the change because another task is updating a definition which uses the resource *resname2* of resource type *restype2*. The other task is identified by *taskid* and *taskname*. *Restype2* can be a termid, netname, a unique network-qualified ID, or a pipeline terminal pool_name *Restype1* can be a terminal, a session, a remote terminal, a connection, a remote connection, or a pipeline terminal. The message was issued by module *modname*.

System Action: CICS continues but reverses this install or delete.

User Response: Wait until the other task has completed and then retry the action.

Destination: CSMT

Modules: DFHBSS, DFHBSTZ, DFHBSTZS, DFHBSTZV, DFHBSTZZ, DFHBSTZ1, DFHBSTZ2, DFHBSMPP, DFHBSTZP

XMEOUT Parameters: *date, time, applid, restype1, resname1, taskname, taskid, restype2, resname2, modname*

DFHZC5988 E *date time applid* **Install for resource** *resource* **failed. VTAM support not generated**

Explanation: CICS failed to install resource *resource* because CICS was initialized without VTAM support.

System Action: CICS continues.

User Response: If you want to install VTAM resources urgently, shut down CICS, and restart it with the system initialization parameter ACCESSMETHOD=VTAM, and appropriate TCT or RDO terminal definitions.

Destination: CSMT

Modules: DFHBSSZS, DFHBSSZ6, DFHBSTZV

XMEOUT Parameters: *date, time, applid, resource*

DFHZC5989 E *date time applid* **Deletion of resource** *resource* **failed. Remote deletion in connection** *cccc* **failed**

Explanation: CICS failed to delete resource *resource* because a remote delete in system *cccc* failed.

Previous messages should explain the cause of this failure.

System Action: CICS continues.

User Response: Refer to the previous message for further information and guidance.

Destination: CSMT

Modules: DFHBSTZ1, DFHBSTZ2

XMEOUT Parameters: *date, time, applid, resource, cccc*

DFHZC5990 E *date time applid* **CICS logic error**

Explanation: CICS rejected an INSTALL or DELETE request because it does not recognize the request code.

System Action: CICS continues. A system dump is taken with dumpcode ZC5990. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CSMT

Module: DFHZCQ00

XMEOUT Parameters: *date, time, applid*

DFHZC5991 E *date time applid* **CICS logic error**

Explanation: CICS rejected a VALIDATE BIND request because no BIND was supplied.

System Action: CICS continues. A system dump is taken with dumpcode ZC5991. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CSMT

Module: DFHZCQ00

XMEOUT Parameters: *date, time, applid*

DFHZC5992 E *date time applid* **Resource Types Table does not support recovery record**

Explanation: CICS rejected RESTORE request because the resource types table (DFHZCQRT) in DFHZCQ is incompatible with the recovery record from the log or CICS catalog.

System Action: CICS continues. A system dump is taken with dumpcode ZC5992. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: CICS is unable to warm start correctly. You should therefore shut CICS down and perform a cold or initial start.

Destination: CSMT

Module: DFHZCQRS

XMEOUT Parameters: *date, time, applid*

DFHZC5993 E *date time applid* **CICS logic error**

Explanation: CICS rejected a RESTORE request because the resource types table (DFHZCQRT) in DFHZCQ is incompatible with the recovery record from the log or CICS catalog.

System Action: CICS continues. A system dump is taken with dumpcode ZC5993. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CSMT

Module: DFHZCQRS

XMEOUT Parameters: *date, time, applid*

DFHZC5994 E *date time applid* **CICS logic error**

Explanation: CICS rejected a RESTORE request because no recovery record was passed.

System Action: CICS continues. A system dump is taken with dumpcode ZC5994. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CSMT

Module: DFHZCQRS

XMEOUT Parameters: *date, time, applid*

DFHZC5995 E *date time applid* **CICS logic error. Resource Type Code** *xxxx* **Subtype** *yyyy* **not recognized with associated bind image**

Explanation: CICS failed to install a resource with resource type code (RTC) *xxxx* and subtype *yyyy* (from the Builder Parameter Set) because a resource with type code *xxxx*, sub-type *yyyy*, and the associated BIND-image, is not a builder resource type. The RTC and subtype are defined in module DFHZCQRT.

This is a CICS logic error (probably in DFHTRZ*x*P).

System Action: CICS continues. A system dump is taken with dumpcode ZC5995. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CSMT

Module: DFHZCQIS

XMEOUT Parameters: *date, time, applid, xxxx, yyyy*

DFHZC5996 E *date time applid* **CICS logic error**

Explanation: CICS has rejected an INSTALL request because the resource type code in the request is zero.

System Action: CICS continues. A system dump is taken with dumpcode ZC5996. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CSMT

Module: DFHZCQIS

XMEOUT Parameters: *date, time, applid*

DFHZC5997 E *date time applid* **CICS logic error**

Explanation: CICS has rejected an INQUIRE request because no TCT entry was passed.

System Action: CICS continues. A system dump is taken with dumpcode ZC5997. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CSMT

Module: DFHZCQIQ

XMEOUT Parameters: *date, time, applid*

DFHZC5998 E *date time applid* **Install specified a resource that cannot be replaced**

Explanation: CICS rejected a DELETE request because the entry passed is of a type that cannot be deleted, for example, a non-VTAM terminal.

System Action: CICS continues.

User Response: The failing delete/replace was necessitated by an INSTALL request. Correct the resource type in that request.

Destination: CSMT

Modules: DFHZCQCH, DFHZCQDL

XMEOUT Parameters: *date, time, applid*

DFHZC5999 E *date time applid* **CICS logic error.**

Explanation: If DFHZCQCH issues this message, CICS has rejected a CATALOG request because the required entry parameter was not passed.

If DFHZCQDL issues this message, CICS has rejected a DELETE request because the required entry parameter was not passed.

System Action: CICS continues. A system dump is taken with dumpcode ZC5999. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CSMT

Modules: DFHZCQCH, DFHZCQDL

XMEOUT Parameters: *date, time, applid*

DFHZC6201 E *applid* **CICS table builder services has detected a severe error in module** *modname* **code** *X'code'***.**

Explanation: While executing a request, CICS table builder services detected a severe error. The error is identified by the error code *code* and the module *modname*.

System Action: CICS rejects the request and takes a dump. CICS writes an exception trace record identified by *code*, then issues message DFHZC6208 either to the user of the CEDA transaction, or if the request did not originate from CEDA, to the CSMT transient data queue

User Response: This failure indicates either an error in CICS, or a storage overlay. You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Modules: DFHTBSB, DFHTBSD, DFHTBSBP, DFHTBSDP, DFHTBSL, DFHTBSLP, DFHTBSS

XMEOUT Parameters: *applid, modname, X'code'*

DFHZC6202 E *date time applid* **Pattern** *pattern* **not valid for builder**

Explanation: While executing a request, CICS table builder services has detected that the pattern *pattern* cites a builder that is not declared with DFHBSHDR(ENTRY). *pattern* is the name of the pattern as coded in the DFHBSPTE macro.

System Action: CICS rejects the request. A system dump is taken with dumpcode ZC6202. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CSMT

Modules: DFHTBSB, DFHTBSL, DFHTBSQ, DFHTBSR

XMEOUT Parameters: *date, time, applid, pattern*

DFHZC6204 E *date time applid* **Illegal subpattern definition** *pattern*

Explanation: While executing a request, CICS table builder services has detected that the subpattern *pattern* cites a builder that is not declared with DFHBSHDR(ENTRY). *pattern* is the name of the subpattern as coded in the DFHBSPTE macro.

System Action: CICS rejects the request. A system dump is taken with dumpcode ZC6204. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CSMT

Modules: DFHTBSBP, DFHTBSDP

XMEOUT Parameters: *date, time, applid, pattern*

DFHZC6205 E *date time applid* **Illegal subpattern definition** *pattern*

Explanation: While executing a request, CICS table builder services has detected that the subpattern *pattern* is invalidly defined. *pattern* is the name of the subpattern as coded in the DFHBSPTE macro.

System Action: CICS rejects the request. A system dump is taken with dumpcode ZC6205. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CSMT

Modules: DFHTBSBP, DFHTBSDP

XMEOUT Parameters: *date, time, applid, pattern*

DFHZC6206 E *date time applid* **Pattern** *pattern* **not valid for destroy**

Explanation: While executing a DESTROY request, CICS table builder services has detected that the pattern *pattern* is not valid for a DESTROY request. *pattern* is the name of the pattern as coded in the DFHBSPTE macro.

System Action: CICS rejects the request. A system dump is taken with dumpcode ZC6206. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CSMT

Module: DFHTBSD

XMEOUT Parameters: *date, time, applid, pattern*

DFHZC6207 E *date time applid* **Catalog key too long or zero. Pattern** *pattern*

Explanation: While executing a request, CICS table builder services has detected that builder cited in the pattern *pattern* has returned an invalid CC key on MAKEKEY. *pattern* is the name of the pattern as coded in the DFHBSPTE macro.

System Action: CICS rejects the request. A system dump is taken with dumpcode ZC6207. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CSMT

Modules: DFHTBSBP, DFHTBSDP, DFHTBSL

XMEOUT Parameters: *date, time, applid, pattern*

DFHZC6208 E *date time applid* **CICS table builder services has detected a severe error in module** *modname***, code(***X'code'***.**

Explanation: While executing a request, CICS table builder services detected a severe error. The error is identified by the error code *code* and the module *modname*.

System Action: CICS rejects the request. It has already issued message DFHZC6201, written an exception trace record identified by *code*, and taken a dump.

User Response: This failure indicates either an error in CICS, or a storage overlay. You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CSMT

Modules: DFHTBSB, DFHTBSD, DFHTBSBP, DFHTBSDP, DFHTBSL, DFHTBSLP, DFHTBSS

XMEOUT Parameters: *date, time, applid, modname, X'code'*

DFHZC6209 E *date time applid* **Invalid ZC catalog request code** *xxxx*

Explanation: While executing a request, CICS table builder services has detected that the code, *xxxx*, for a catalog request is invalid.

System Action: CICS rejects the request. A system dump is taken with dumpcode ZC6209. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CSMT

Module: DFHTBSL

XMEOUT Parameters: *date, time, applid, xxxx*

DFHZC6210 E *date time applid* **Table builder could not obtain storage for control block code** *X'code'***, module** *modname***.**

Explanation: While executing a BUILD, a DESTROY or a RESTORE request, CICS table builder services could not obtain storage for a control block. The control block could be a RRAB, a RABN, an action_block, a recovery record, or a recovery segment. The error code *code* identifies the element that could not be obtained by the module *modname*.

System Action: CICS rejects the request. It has already written an exception trace record identified by *code*.

User Response: This failure may be a symptom of a expanded dynamic storage area (EDSA) that is too small. If so, you can solve the problem by increasing the size of your CICS region. For guidance on estimating the size of the DSA and the CICS region, see the *CICS System Definition Guide* and the *CICS Performance Guide*. You can identify which control block that could not be obtained by formatting the exception trace record.

The failure may also be caused by an error in another transaction, for example, a looping program with an EXEC CICS GETMAIN within the loop.

Destination: CSMT

Modules: DFHTBSB, DFHTBSD, DFHTBSL, DFHTBSBP, DFHTBSDP, DFHTBSLP, DFHTBSS

XMEOUT Parameters: *date, time, applid, X'code', modname*

DFHZC6212 E *date time applid* **Level mismatch with catalog record. DFHBS** *xxx*

Explanation: While executing a request during a warm or emergency start, CICS Table Builder Services has detected that the CC record is not compatible with the pattern it names. *xxx* is the builder ID.

System Action: CICS rejects the request.

User Response: The CC record was probably written by an earlier level of CICS. That is, you have applied one or more PTF maintenance fixes to the system since the CC record was written. Assuming this is the case, you must either:

- Cold or initial start CICS, **or**
- Remove the maintenance to enable a warm start or emergency restart.

Destination: CSMT

Modules: DFHTBSR, DFHTBSRP

XMEOUT Parameters: *date, time, applid, xxx*

DFHZC6213 E *date time applid* **Recovery record abandoned. Key is** *key*

Explanation: While processing a RESTORE request, CICS Table Builder Services detected an error reported in a previous message. *key* is the catalog key for the abandoned record, or, if the key is unknown to CICS, *key* is the single character **?**.

System Action: See the previously issued message for the cause of the problem, and follow the recommended user action.

Destination: CSMT

Module: DFHTBSR

XMEOUT Parameters: *date, time, applid, key*

DFHZC6214 E *date time applid* **Unable to obtain recovery record storage**

Explanation: While processing a CATALOG request, CICS Table Builder Services could not obtain recovery record storage.

System Action: CICS rejects the request.

User Response: This failure may be a symptom of a dynamic storage area (DSA) that is too small. If so, you can solve the problem by increasing the size of your CICS region. For advice on estimating the size of the DSA and the CICS region, see the *CICS System Definition Guide* and the *CICS Performance Guide*.

The failure may also be caused by an error in another transaction, for example, a looping program with an EXEC CICS GETMAIN within the loop.

Destination: CSMT

Module: DFHTBSLP

XMEOUT Parameters: *date, time, applid*

DFHZC6216 E *date time applid* **Install for** *restype1* **(***resname1***) failed and caused the backout of the whole set of RDO resources for** *restype2* **(***resname2***).**

Explanation: The RDO definition for a resource of type *restype1* named *resname1* could not be installed because of an error. This causes the installable set of RDO definitions associated with *restype2* named *resname2* to be backed out.

The resource type of the definition that failed *restype1* can be connection, session, modegroup, pool, or pooled terminal. The resource type of the associated definition *restype2* can be connection, or a pool_name for pipeline terminals.

System Action: CICS backs out the installation of the set of associated RDO definitions and continues without them.

User Response: Correct the reason for the failure of the definition, identified by previous DFHZX*nnnn* messages, and then retry the install.

Destination: CSMT

Module: DFHTBSB

XMEOUT Parameters: *date, time, applid, restype1, resname1, restype2, resname2*

DFHZC6301 E *date time applid* **Install for** *tttt* **failed. Duplicate netname** *netname* **for resource** *rrrr* **found.**

Explanation: A resource *tttt* was being installed but was found to have the same network name *netname* as resource *rrrr*.

System Action: The resource is not installed, CICS continues.

User Response: If you want the definitions to be installed, use CEDA to correct the network name and reinstall the definition.

Destination: CSMT

Module: DFHBSTZV

XMEOUT Parameters: *date, time, applid, tttt, netname, rrrr*

DFHZC6302 E *date time applid* **Install for connection** *cccc* **failed. Duplicate netname** *netname* **for resource** *rrrr* **found.**

Explanation: A connection *cccc* was being installed but was found to have the same network name *netname* as resource *rrrr*.

System Action: The resource is not installed, CICS continues.

User Response: You cannot have an APPC connection with the same network name as another APPC connection or an LU6.1 connection. That is, you cannot have more than one APPC connection between two systems and an APPC connection cannot be installed with an LU6.1 connection between two systems.

Neither APPC or LU6.1 network names can be the same as a terminal's network name.

Also you cannot have an IRC (or XM) connection with the same network name as another IRC (or XM) connection. However, an IRC network name can be the same as any VTAM network name (APPC or LU61 connection or terminal).

If you want the definitions to be installed, use CEDA to correct the network name and then reinstall the definition.

If you need to replace a connection with a different network name, it must have the same connection name as the one you are replacing.

Destination: CSMT

Module: DFHBSS

XMEOUT Parameters: *date, time, applid, cccc, netname, rrrr*

DFHZC6303 E *date time applid* **Install for** *tttt* **failed. Duplicate netname** *netname* **found.**

Explanation: A resource *tttt* was being installed but was found to have a duplicate network name *netname*.

This message occurs:

- If the duplicate NETNAME occurred in the same group as this definition, or
- If two CEDA transactions were run at the same time and the other CEDA transaction added a NETNAME between the BUILD and CONNECT routines of DFHBSTZV.

System Action: The resource is not installed; CICS continues.

User Response: If you want the definitions to be installed, use CEDA to correct the network name and then reinstall the definition.

Destination: CSMT

Module: DFHBSTZV

XMEOUT Parameters: *date, time, applid, tttt, netname*

DFHZC6304 W *date time applid* **Deletion of remote terminal** *termid* **failed because it is in use by another transaction.**

Explanation: CICS has issued a logoff transaction to the remote terminal *termid* but this terminal cannot be deleted because it is in use by another transaction.

System Action: The remote terminal can be reused. CICS continues.

User Response: This situation usually occurs because the remote CICS is under stress. Consider allocating more resources. For example, you might need to allocate more storage.

Destination: CSMT

Module: DFHBSTZ

XMEOUT Parameters: *date, time, applid, termid*

DFHZC6305 E *date time applid* **Install for EXCI generic connection** *cccc* **failed. Duplicate EXCI generic connection** *rrrr* **found.**

Explanation: A connection *cccc* specifying protocol(exci) and conntype(generic) was being installed but an existing EXCI generic connection *rrrr* was found.

System Action: The resource is not installed. CICS continues.

User Response: There can be only one EXCI generic connection installed in a CICS system. Determine which EXCI generic connection definition is required and remove the duplicate definition.

If you need to replace the EXCI generic connection definition, it must have the same connection name as the one you are replacing.

Destination: CSMT

Module: DFHBSS

XMEOUT Parameters: *date, time, applid, cccc, rrrr*

DFHZC6307 E *date time applid* **Install for connection** *cccc* **failed. Netname** *netname* **is the same as the generic resource name.**

Explanation: A connection *cccc* was being installed but the netname *netname* is the same as the generic resource name for this CICS (as defined in the SIT GRNAME parameter).

Communication within a SYSPLEX (intra-plex) must be done using member names.

System Action: The resource is not installed, CICS continues.

User Response: If this connection is for communication within a sysplex, use CEDA to change the NETNAME to the member name of the connection with which you wish to communicate.

If this is for communication between two sysplexes, change the NETNAME to the generic resource name of the partner sysplex.

Destination: CSMT

Module: DFHBSS

XMEOUT Parameters: *date, time, applid, cccc, netname*

DFHZC6308 E *date time applid* **Restore for connection** *cccc* **failed. Netname** *netname* **is the same as the generic resource name.**

Explanation: During an emergency or warm restart CICS tried to restore connection *cccc*. However its netname *netname* is the same as the generic resource name for this CICS (as defined in the GRNAME system initialization parameter).

This is probably because the GRNAME specified in the SIT has been changed. It should only be changed at INITIAL start time.

System Action: Processing continues. The resource is not installed.

User Response: If this connection is for communication within a sysplex, use CEDA to change the NETNAME to the member name of the connection with which you wish to communicate.

If this is for communication between two sysplexes, change the NETNAME to the generic resource name of the partner sysplex.

If you need to change the GRNAME parameter, remember to do so only during an INITIAL start.

Destination: CSMT

Module: DFHBSS

XMEOUT Parameters: *date, time, applid, cccc, netname*

DFHZC6310 E *date time applid* **Install for terminal** *termid* **failed. Console** *consname* **must be defined by ID not name.**

Explanation: CICS has not installed the CONSOLE definition *termid* because the console *consname* is defined by name. The console must be defined by ID, as CICS is running under a release of MVS that does not support console names.

System Action: CICS continues without installing the terminal.

User Response: Use the CEDA transaction to define the console by ID and reinstall the terminal.

Destination: CSMT

Module: DFHBSTZO

XMEOUT Parameters: *date, time, applid, termid, consname*

DFHZC6311 E *date time applid* **Install for terminal** *termid* **failed. Console ID** *conslid* **does not map to a console name known to MVS.**

Explanation: CICS has not installed the CONSOLE definition *termid* because the console ID *conslid* does not map to a console name known to MVS.

System Action: CICS continues without installing the terminal.

User Response: Use the CEDA transaction to define a different console ID, or a console name, and reinstall the terminal.

Destination: CSMT

Module: DFHBSTZO

XMEOUT Parameters: *date, time, applid, termid, conslid*

DFHZC6315 E *date time applid* **User** *userid* **is not authorized to install terminal** *tttt* **with preset security.**

Explanation: User *userid* was attempting to install terminal *tttt* but the userid does not have sufficient authority. This is because the terminal has preset authority (the definition for terminal *tttt* specifies a *userid* value.) Installing a resource with preset security requires special authorization.

System Action: Resource security violation messages are logged to the CSCS transient data queue and to the system console. The resource is not installed. CICS continues.

User Response: In order to install this resource, do one of the following:

- Use the CESN transaction to sign on with a userid that is permitted to install terminals with preset security.
- Ask your security administrator to authorize userid *userid* to install terminals with preset security. See the *CICS System Definition Guide* for guidance.
- Remove the USERID specification from the resource definition and install the resource without preset security.

Destination: CSMT

Module: DFHBSTS

XMEOUT Parameters: *date, time, applid, userid, tttt*

DFHZC6330 E *date time applid* **Install for** *tttt* **failed. LDCLIST parameter** *ldclist* **not found.**

Explanation: A resource *tttt* was being installed but was found to have an invalid LDCLIST *ldclist*.

System Action: The resource is not installed, CICS continues.

User Response: If you want the definition to be installed, use the DFHTCT TYPE=LDCLIST macro to define the listname.

Destination: CSMT

Module: DFHBSTBL

XMEOUT Parameters: *date, time, applid, tttt, ldclist*

DFHZC6331 E *date time applid* **Install for connection** *tttt* **failed. Non-VTAM terminal with same name already exists.**

Explanation: A connection *tttt* was being installed but a non-VTAM terminal with the same name already exists.

System Action: The resource is not installed; CICS continues.

User Response: Change the name of the connection and reinstall.

Destination: CSMT

Module: DFHBSS

XMEOUT Parameters: *date, time, applid, tttt*

DFHZC6332 E *date time applid* **Install for terminal** *tttt* **failed. Non-VTAM terminal with same name already exists.**

Explanation: A terminal *tttt* was being installed but a non-VTAM terminal with the same name already exists.

System Action: The resource is not installed; CICS continues.

User Response: Change the name of the terminal and reinstall.

Destination: CSMT

Module: DFHBSTZ

XMEOUT Parameters: *date, time, applid, tttt*

DFHZC6333 E *date time applid* **INSTALL for modename** *modename* **failed. Zero sessions specified**

Explanation: CICS has not installed a mode group *modename* because the maximum number of sessions specified was 0. The CEDA SESSION MAXIMUM parameter cannot be set to 0, so this was possibly caused by a storage overwrite, or by an invalid builder parameter set being shipped into CICS.

System Action: The install fails, but CICS continues.

User Response: Find the offending builder parameter set and set ZC_MAXSESS_1 to a minimum value of 1.

Destination: CSMT

Module: DFHBSM62

XMEOUT Parameters: *date, time, applid, modename*

DFHZC6340 E *date time applid* **CICS has detected an error in delete processing for** *termid***. Module name:** *modname***.**

Explanation: CICS has found terminal input output areas (TIOAs) chained to a TCTTE during deletion of a terminal. This is a CICS logic error.

System Action: A system dump is taken, the TCTTE is deleted and CICS continues. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

It would aid IBM support if you used the system dump to determine why TIOAs are still chained to the TCTTEs. The TIOAs are normally freemained before deletion.

Answers to the following questions would also be helpful:

- Is this is a shipped TCTTE?
- Why is the TCTTE being deleted?
- Is the correct TCTTE being deleted?

Destination: CADL

Module: DFHBST

XMEOUT Parameters: *date, time, applid, termid, modname*

DFHZC6341 E *date time applid* **Loop or ABEND has been detected in** *inmodule* **by module** *bymodule***.**

Explanation: CICS has previously detected a loop or abend. Module *bymodule* called module *inmodule* which looped or abended.

System Action: CICS issues message DFHZC0001 if an abend is detected or DFHZC0004 if a loop is detected. The install or delete being performed is backed out. CICS continues. Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: See the associated message for more guidance.

Destination: CADL

Modules: DFHBSM61 DFHBSTZS

XMEOUT Parameters: *date, time, applid, inmodule, bymodule*

DFHZC6350 I *date time applid* **The** *type* **session name BITMAP was corrupt and has been rebuilt. Error code: AP FB05.**

Explanation: A connection was being installed but the APPC or MRO session name BITMAP which is used to create a session name, was corrupt. The corrupt BITMAP has been rebuilt.

The APPC session name BITMAP is always used for an APPC session, however the MRO session name BITMAP is only used if the session name is prefixed with '<' or '>'.

System Action: A dump is taken with dumpcode ZC6350. Trace point ID AP X'FB05' is produced. The install continues. CICS continues.

User Response: Use the dump provided to determine the cause of the storage overwrite. See the *CICS Problem Determination Guide* for guidance on dealing with storage problems.

Destination: CSMT

Module: DFHZGBM

XMEOUT Parameters: *date, time, applid, type*

DFHZC6360 W *date time applid* **A GETMAIN failed to obtain storage for a message set.**

Explanation: A ZCP install has failed. This would normally result in a message being issued. However, the GETMAIN attempting to obtain storage from the CDSA for use as a message area has failed. This means that there is no more free storage available in the CDSA.

System Action: The message which should have reported the ZCP install failure cannot be issued. Subsequent messages also cannot be issued while there is no free storage available in the CDSA. However, subsequent messages can be issued if storage becomes available on subsequent GETMAIN attempts.

Message DFHME0116 is normally produced containing the symptom string for this problem.

User Response: Use trace to determine the source of the problem. Trace point AP FCDD, the TBSM entry, gives the message number which should have been issued and the message insert data. Refer to the description of this message for further guidance.

Destination: CSMT

Modules: DFHBSMSG, DFHZATA2

XMEOUT Parameters: *date, time, applid*

DFHZC6361 E *date time applid {Install | Signon}* **for** *{netname | console | terminal }portname* **with userid** *userid* **failed because the preset userid is invalid.**

Explanation: The resource could not be installed or signed on with preset userid *userid* because the userid is not known to the external security manager (ESM).

System Action: CICS continues.

User Response: Correct the userid, or contact your security administrator to have the unknown userid added to your ESM. Then either reinstall the resource definition, or attempt to send a command to CICS via this console.

Destination: CSMT

Module: DFHBSTS

XMEOUT Parameters: *date, time, applid, {1=Install, 2=Signon}, {1=netname , 2=console , 3=terminal }, portname, userid*

DFHZC6362 E *date time applid {Install | Signon}* **for** *{netname | console | terminal }portname* **with userid** *userid* **failed because the preset userid has been revoked.**

Explanation: The resource could not be installed or signed on with preset userid *userid* because the userid has been revoked by the external security manager (ESM).

System Action: CICS continues.

User Response: Contact your security administrator, who can reauthorize the revoked userid by issuing the ALTUSER RESUME function. Then reinstall the resource definition or try another command from the affected console.

Destination: CSMT

Modules: DFHBSTS, DFHZCNA

XMEOUT Parameters: *date, time, applid, {1=Install, 2=Signon}, {1=netname , 2=console , 3=terminal }, portname, userid*

DFHZC6363 E *date time applid {Install | Signon}* **for** *{netname | console | terminal }portname* **with userid** *userid* **failed because the preset userid's group access has been revoked.**

Explanation: The resource could not be installed or signed on with preset userid *userid* because the access of that userid to the group containing it has been revoked by the external security manager (ESM).

System Action: CICS continues.

User Response: Contact your security administrator who can restore the access of the preset userid to its group by issuing the CONNECT RESUME function. Then reinstall the resource definition or try another command from the console.

Destination: CSMT

Modules: DFHBSTS, DFHZCNA

XMEOUT Parameters: *date, time, applid, {1=Install, 2=Signon}, {1=netname , 2=console , 3=terminal }, portname, userid*

DFHZC6364 E *date time applid {Install | Signon}* **for** *{netname | console | terminal }portname* **with userid** *userid* **failed because the external security manager returned an unrecognized response.**

Explanation: The resource could not be installed or signed on with preset userid *userid* because of unexpected return codes from the external security manager (ESM).

System Action: CICS continues. Either message DFHSN1401 or DFHSN1801 is issued.

User Response: See the accompanying message for further guidance. Reinstall the resource definition or try another command from the console when you have corrected the problem.

Destination: CSMT

Modules: DFHBSTS, DFHZCNA

XMEOUT Parameters: *date, time, applid, {1=Install, 2=Signon}, {1=netname , 2=console , 3=terminal }, portname, userid*

DFHZC6365 E *date time applid {Install | Signon}* **for** *{netname | console | terminal }portname* **with userid** *userid* **failed because the external security manager is inactive.**

Explanation: The resource could not be installed or signed on with preset userid *userid* because the external security manager (ESM) is no longer active.

System Action: CICS continues.

User Response: Contact your security administrator to restart the ESM. Reinstall the resource definition or try the command from a console again when the ESM is active again.

Destination: CSMT

Modules: DFHBSTS, DFHZCNA

XMEOUT Parameters: *date, time, applid, {1=Install, 2=Signon}, {1=netname , 2=console , 3=terminal }, portname, userid*

DFHZC6366 E *date time applid {Install | Signon}* **for** *{netname | console | terminal }portname* **with userid** *userid* **failed because the userid is not authorized to access this CICS system.**

Explanation: The resource could not be installed or signed on with a preset userid because the preset userid is not authorized to use application *applid*.

System Action: CICS continues.

User Response: Contact your security administrator who can authorize the preset userid to access the application *applid* by issuing the PERMIT function for the APPL resource class. Then reinstall the resource definition or try the command again from the console.

Destination: CSMT

Modules: DFHBSTS, DFHZCNA

XMEOUT Parameters: *date, time, applid, {1=Install, 2=Signon}, {1=netname , 2=console , 3=terminal }, portname, userid*

DFHZC6367 E *date time applid {Install | Signon}* **for** *{netname | console | terminal }termid* **with userid** *userid* **failed because the SECLABEL check failed.**

Explanation: The resource could not be installed or signed on with preset userid *userid* because the security label associated with the userid in the external security manager (ESM) does not have the necessary authority.

System Action: CICS continues.

User Response: Contact your security administrator to assign a new security label to the preset userid. Then reinstall the resource definition or try the command from the console again.

Destination: CSMT

Modules: DFHBSTS, DFHZCNA

XMEOUT Parameters: *date, time, applid, {1=Install, 2=Signon}, {1=netname , 2=console , 3=terminal }, termid, userid*

DFHZC6368 E *date time applid {Install | Signon}* **for** *{netname | console | terminal }portname* **with userid** *userid* **failed because the external security manager is quiesced.**

Explanation: The resource could not be installed or signed on with preset userid *userid* because the external security manager (ESM) has been placed in a “tranquil” state and is not allowing new users to be added to the system.

System Action: CICS continues.

User Response: Contact your security administrator to establish when the ESM will be fully available again. When it is, reinstall the resource definition or try the command from the console again.

Destination: CSMT

Modules: DFHBSTS, DFHZCNA

XMEOUT Parameters: *date, time, applid, {1=Install, 2=Signon}, {1=netname , 2=console , 3= terminal }, portname, userid*

DFHZC6369 E *date time applid {Install | Signon}* **for** *{netname | console | terminal }portname* **failed because national language** *langcode* **is invalid.**

Explanation: The resource could not be installed or signed on because the national language *langcode* specified in the resource definition is not recognized.

System Action: CICS continues.

User Response: Change the national language on the resource definition to a valid value and reinstall the resource definition.

Destination: CSMT

Modules: DFHBSTS, DFHZCNA

XMEOUT Parameters: *date, time, applid, {1=Install, 2=Signon}, {1=netname , 2=console , 3=terminal }, portname, langcode*

DFHZC6370 E *date time applid {Install | Signon}* **for** *{netname | console | terminal }portname* **failed because national language** *langcode* **is unavailable.**

Explanation: The resource could not be installed or signed on because the national language *langcode* specified in the resource definition is not supported in this run of CICS.

System Action: CICS continues.

User Response: Change the national language in the resource definition to one that has been initialized. Then reinstall the resource definition.

Destination: CSMT

Modules: DFHBSTS, DFHZCNA

XMEOUT Parameters: *date, time, applid, {1=Install, 2=Signon}, {1=netname , 2=console , 3=terminal }, portname, langcode*

DFHZC6371 E *date time applid {Install | Signon}* **for** *{netname | console | terminal }portname* **with userid** *userid* **failed because the userid is not authorized to use this p ortname.**

Explanation: The resource could not be installed or signed on with preset userid *userid* because the specified userid is not authorized to use that resource.

System Action: CICS continues. Either message DFHSN1401 or DFHSN1801 is issued.

User Response: See the accompanying message for further guidance. Reinstall the resource definition or retry the command from the console when you have corrected the problem.

Destination: CSMT

Modules: DFHBSTS, DFHZCNA

XMEOUT Parameters: *date, time, applid, {1=Install, 2=Signon}, {1=netname , 2=console , 3=terminal }, portname, userid*

DFHZC6380 E *date time applid* **Install for connection** *cccc* **failed. Netname** *netname* **is the same as the member name of a generic resource connection** *grcon* **which is already in use.**

Explanation: A connection *cccc* was being installed but the netname *netname* is the same as the member name of a generic resource connection *grcon* which is already in use.

System Action: The resource is not installed. CICS continues.

User Response: If the NETNAME is incorrect, use CEDA to change it. Alternatively if you wish to communicate with the generic resource member by its member name, discard the generic resource connection after ending the VTAM affinity and try again.

Destination: CSMT

Module: DFHBSS

XMEOUT Parameters: *date, time, applid, cccc, netname, grcon*

DFHZC6590 I *date time applid termid tranid* **Node** *netname* **conversation restarted.** *sense* **((***instance***) Module name: {DFHZXRC})**

Explanation: The node specified has been switched to this system following an XRF takeover.

For the meaning of the sense data, see the explanation on page 678.

System Action: Processing continues.

User Response: None.

Destination: CSNE

Module: DFHZXRC

XMEOUT Parameters: *date, time, applid, termid, tranid, netname, sense, instance, {1=DFHZXRC, 2=DFHZXRC, 3=DFHZXRC, 4=DFHZXRC, 5=DFHZXRC}*

DFHZC6591 E *date time applid termid tranid* **Error processing XRF switch command.** *sense* **((***instance***) Module name: {DFHZXRC})**

Explanation: The terminal has been switched to this CICS system following an XRF takeover, but an error was encountered processing the response data.

For the meaning of the sense data, see the explanation on page 678.

System Action: The state of the session at takeover is uncertain and the session is unbound in order to reset the states. The session is simlogged on, and proceeds as a normal emergency restart.

User Response: Proceed as for a normal emergency restart.

Destination: CSNE

Module: DFHZXRC

XMEOUT Parameters: *date, time, applid, termid, tranid, sense, instance, {1=DFHZXRC, 2=DFHZXRC, 3=DFHZXRC, 4=DFHZXRC, 5=DFHZXRC, 6=DFHZXRC, 7=DFHZXRC, 8=DFHZXRC, 9=DFHZXRC, 10=DFHZXRC, 11=DFHZXRC}*

DFHZC6593 I *date time applid termid tranid* **Node** *netname* **backup session started.** *sense* **((***instance***) Module name: {DFHZOPX})**

Explanation: Node *netname* has successfully issued an OPNDST OPTCD=BACKUP command to the connected LU.

For the meaning of the sense data, see the explanation on page 678.

System Action: Processing continues.

User Response: None.

Destination: CSNE

Module: DFHZOPX

XMEOUT Parameters: *date, time, applid, termid, tranid, netname, sense, instance, {1=DFHZOPX, 2=DFHZOPX}*

DFHZC6594 I *date time applid termid tranid* **Node** *netname* **backup session reset - active session ended.** *sense* **((***instance***) Module name: {DFHZSCX})**

Explanation: The backup system has received a “hierarchical reset” UNBIND on the backup session to the named terminal. This implies that the active session has ended normally.

For the meaning of the sense data, see the explanation on page 678.

System Action: CLSDST the backup session.

User Response: None.

Destination: CSNE

Module: DFHZSCX

XMEOUT Parameters: *date, time, applid, termid, tranid, netname, sense, instance, {1=DFHZSCX}*

DFHZC6595 I *date time applid termid tranid* **Node** *netname* **backup session not attempted.** *sense* **((***instance***) Module name: {DFHZOPN})**

Explanation: Before the OPNDST is issued, the backup system has abandoned the attempt to establish a backup session for one of the following reasons:

- There is no XRF support in VTAM (TCTVXRFS), or
- the TCTTE is flagged as a secondary. This CICS receives the BIND, but does not send it (TCTE2RY), or
- the TCTTE indicates that the LOGMODE keyword was specified on the terminal definition.

For the meaning of the sense data, see the explanation on page 678.

System Action: If this system takes over, the autoconnect process attempts to acquire a session. In this case, it probably takes longer for the session to become available for use.

User Response: Do not attempt a backup session.

Rectify error, or downgrade the recovery option specified for this terminal.

Destination: CSNE

Module: DFHZOPN

XMEOUT Parameters: *date, time, applid, termid, tranid, netname, sense, instance, {1=DFHZOPN, 2=DFHZOPN, 3=DFHZOPN}*

DFHZC6596 *applid* **CICS terminal control program cannot support XRF functions.** *sense* **((***instance***) Module name: {DFHZSEX | DFHZSLS})**

Explanation: The VTAM ACB has been opened, and the function level of the terminal control program (ZCP) and VTAM has been examined. It has been determined that XRF terminal functions cannot be supported in this execution of CICS.

This can be because one of the DFHZC*x* modules, or the TCT, was assembled against a version of VTAM earlier than 3.1, or because the level of VTAM that has just been opened is pre-3.1.

For the meaning of the sense data, see the explanation on page 678.

System Action: Processing continues. Processing continues, but no VTAM XRF functions can be supported.

User Response: If VTAM XRF functions are required, check the assembly of each of the DFHZC*x* modules and the TCT.

If a pre-3.1 release of VTAM was used in the assembly process, then a warning MNOTE will have been issued.

The relevant modules should then be reassembled against the correct level of VTAM.

If the assembly of all modules is correct, then the VTAM used in this execution is at a pre-3.1 level.

Destination: Console

Module: DFHZSEX,DFHZSLS

XMEOUT Parameters: *applid, sense, instance, {1=DFHZSEX, 2=DFHZSLS}*

DFHZC6598 *applid* **VTAM Shutdown in XRF Alternate system. CICS will abend.** *sense* **((***instance***) Module name: {DFHZTPX})**

Explanation: The TPEND exit has been driven because VTAM has been shutdown. This is an XRF Alternate system and it cannot continue without VTAM.

For the meaning of the sense data, see the explanation on page 678.

System Action: The system is abnormally terminated.

User Response: Determine why and how VTAM was shutdown.

Destination: Console

Module: DFHZTPX

XMEOUT Parameters: *applid, sense, instance, {1=DFHZTPX}*

DFHZC6901 W *date time applid* **Autoinstall BIND for NETNAME** *netname* **is invalid. Internal RC:***X'response'***.**

Explanation: The bind passed for AUTOINSTALL of a resource has shown an error in the bind image check call. The fixed part of the BIND is printed (this is the part on which the validation code operates — see the *SNA Network Protocol Formats* for details of the BIND RU). The internal return code X'*code*' identifies the location within the module that invalidated the BIND.

System Action: CICS continues but the session is not installed. The request is rejected and message DFHZC2411 is issued. The terminal is not usable until a VTAM LOGOFF command is issued.

User Response: Investigate the fixed part of the BIND data to determine the reason for the rejection. The internal return code gives more information that can be used by IBM to help you to determine the cause of the problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CADL

Module: DFHZATA

XMEOUT Parameters: *date, time, applid, netname, X'response'*

DFHZC6902 E *date time applid* **Autoinstall failed because no** *{terminal | console}* **models are defined.**

Explanation: An attempt was made to autoinstall either a VTAM device or a console; however, there are no appropriate autoinstall models defined.

System Action: CICS processing continues, but the autoinstall logon attempt is rejected.

User Response: Use CEDA to define autoinstall model(s). For further information, refer to the *CICS Resource Definition Guide*.

Destination: CADL

Modules: DFHZATA, DFHZATA2

XMEOUT Parameters: *date, time, applid, {1=terminal, 2=console}*

DFHZC6903 W *date time applid* **Autoinstall for** *resource resid*, *{netname | consolename} id* **using model** *model* **failed.**

Explanation: The connection or terminal or console build process failed. The reason is given in a following DFHZC59xx, DFHZC62xx or DFHZC63xx message referring to the same *resid*. These messages are followed by message DFHZC6942.

System Action: Processing continues.

User Response: Refer to following messages for further information.

Modules: DFHZATA, DFHZATA2

XMEOUT Parameters: *date, time, applid, resource, resid, {1=netname, 2=consolename}, id, model*

DFHZC6904 W *date time applid* **Autoinstall for** *{netname | consolename} id* **failed. CATA task abended (abend** *abend*).

Explanation: Transaction CATA was autoinstalling a terminal or console, *id*, when the task abended with abend *abend*. If the resource being autoinstalled was a terminal, then the issuing module was DFHZATA. Otherwise, the issuing module was DFHZATA2 if the resource was a console. The *id* can be either a netname or a consolename.

System Action: CICS continues but the resource is not installed.

User Response: Retry the logon attempt. If the abend indicates a TIMEOUT and this occurs frequently, increase the CATA DTIMOUT value. If you do not want the CATA transaction to time out, remove the DTIMOUT parameter from the CATA DEFINE TRANSACTION command. However, if you do this, and if the system is short on storage, a large number of CATA transactions running at the some time with no other transactions present could cause a deadlock.

Destination: CADL

Modules: DFHZATA, DFHZATA2

XMEOUT Parameters: *date, time, applid, {1=netname, 2=consolename}, id, abend*

DFHZC6905 W *date time applid* **Autoinstall delete for** *resource resid*, *{netname | consolename} id* **failed. CATD task abended (abend** *abend*).

Explanation: Transaction CATD, program DFHZATD was deleting an autoinstalled *resource resid*, when the task abended with abend *abend*.

System Action: CICS continues. If the resource still exists, it is reused next time the same TERMID or SYSID is used.

User Response: See the description of abend *abend* for further guidance.

If the abend indicates a TIMEOUT and this occurs frequently, increase the CATD DTIMOUT value. If you do not want the CATD transaction to time out, remove the DTIMOUT parameter from the CATD DEFINE TRANSACTION command. However, a large number of CATD tasks running at the same time with no purgeable tasks present could cause a deadlock if the system is also short on storage.

Destination: CADL

Module: DFHZATD

XMEOUT Parameters: *date, time, applid, resource, resid, {1=netname, 2=consolename}, id, abend*

DFHZC6906 *date time applid* **Install or delete of remote terminal** *termid* **failed.** *tranid* **task abended (abend** *abend*).

Explanation: One of the functions of DFHZATS (transaction CITS, CDTS, CMTS or CFTS) has abended with abend *abend*.

System Action: CICS continues.

For CITS (remote install), if the remote terminal (skeleton) was actually built, CICS might use it.

For CDTS (remote delete), If the remote terminal (skeleton) has not been deleted, it might be reused.

For CMTS (remote mass delete), terminals which have not been deleted by CMTS might be deleted at a later stage.

For CFTS (remote mass flag), terminals which have been flagged for deletion might be deleted at a later stage. If any terminals have not been flagged, attempts might be made to reuse them. This can have unpredictable results.

User Response: See the description of abend *abend* for further guidance.

The most likely reason for this message is a timeout of CITS or CDTS. In the case of CITS, reissue your transaction if necessary.

If the TIMEOUTs occur frequently, consider increasing the CITS or CDTS DTIMOUT values. If you do not want the transactions to time out, remove the DTIMOUT parameter from the CITS or CDTS DEFINE TRANSACTION command. However, a large number of CITS tasks running at the same time with no purgeable tasks present could cause a deadlock if the system is also short on storage.

Note that CFTS and CMTS do not have a DTIMOUT parameter and should not be given one because they only run once after a warm or emergency restart and should not be allowed to time out.

Destination: CADL

Module: DFHZATS

XMEOUT Parameters: *date, time, applid, termid, tranid, abend*

DFHZC6910 W *date time applid* **Install for remote terminal** *termid* **failed.**

Explanation: An INSTALL for the remote terminal *termid* has failed. The reason for the failure is specified in associated DFHZC59xx and DFHZC62xx messages.

System Action: DFHZATS terminates abnormally with a CICS transaction dump.

User Response: See the associated messages for further guidance.

Destination: CADL

Module: DFHZATS

XMEOUT Parameters: *date, time, applid, termid*

DFHZC6911 W *date time applid* **Delete for remote terminal** *termid* **failed.**

Explanation: A DELETE for remote terminal *termid* has failed. Possible causes are that the terminal has already been deleted or that it is in use by another task.

If this message is repeated a number of times, there could be a more serious problem.

System Action: If the message is associated with message DFHZC6912, CICS continues normally. If message DFHZC6912 is not issued, DFHZATS is abnormally terminated with a transaction dump.

User Response: If the message is associated with message DFHZC6912, no action is necessary. If DFHZC6912 is not issued, see the associated DFHZC59xx, DFHZC62xx and DFHZC63xx messages for the reason for the DELETE failure.

Destination: CADL

Module: DFHZATS

XMEOUT Parameters: *date, time, applid, termid*

DFHZC6912 I *date time applid* **Unable to delete remote terminal.**

Explanation: This message is issued during a mass delete of remote terminals following a warm or emergency restart. A terminal which had been flagged for deletion could not be deleted. The most likely explanation is that the terminal has already been deleted by another task.

An associated DFHZC6911 message gives the identity of the terminal. This might be associated with one or more DFHZC59xx and DFHZC62xx messages giving the reason for the failure.

System Action: Processing continues normally.

User Response: See the associated messages for further information.

Destination: CADL

Module: DFHZATS

XMEOUT Parameters: *date, time, applid*

DFHZC6913 I *date time applid* **Remote delete of terminal** *termid* **failed. Terminal not found.**

Explanation: A remote DELETE has been attempted for a terminal which has already been deleted by another task.

System Action: Processing continues normally.

User Response: None.

Destination: CADL

Module: DFHZATS

XMEOUT Parameters: *date, time, applid, termid*

DFHZC6914 E *date time applid* **Autoinstall for resource** *termid***,** *{netname | consolename} id* **failed. Bad Return Code (RC =** *X'retcode'* **) from an internal function call.**

Explanation: The TCTTE build process failed due to the failure of an internal function call.

System Action: The terminal autoinstall process fails. CICS processing continues.

User Response: Retry the logon attempt.

Destination: CADL

Modules: DFHZATA, DFHZATA2

XMEOUT Parameters: *date, time, applid, termid, {1=netname, 2=consolename}, id, X'retcode'*

DFHZC6915 E *date time applid* **Unable to sign off remote terminal** *termid***. Bad Return Code (RC =** *X'SNUS_RESPONSE'* **) from signon domain call.**

Explanation: An unexpected response (INVALID, DISASTER or EXCEPTION) has been received on a call by DFHZATS to function SIGNOFF_TERMINAL_USER during sign-off processing for a remote terminal session running under CRTE.

System Action: The terminal sign-off process fails to complete and the terminal user remains signed on. CICS processing continues.

User Response: See the related message produced by the domain that detected the original error.

Destination: CADL

Module: DFHZATS

XMEOUT Parameters: *date, time, applid, termid, X'SNUS_RESPONSE'*

DFHZC6920 E *date time applid* **APPC autoinstall for NETNAME** *netname* **failed. RC** *x*

Explanation: An autoinstall attempt to install APPC NETNAME *netname* has failed. The autoinstall program call to the autoinstall control program failed with return code *x*.

The return codes are mapped from the program manager LINK_URM response and reason. More precise reasons for failure can be obtained from trace point PG 0A02.

System Action: CICS continues.

User Response: The appropriate response depends on the return code as follows:

1 The user exit program should be linked with AMODE(31). Ensure that the user exit is linked to the correct AMODE.

2 The user exit program has no PPT entry. Ensure that the PPT entry for the user exit program exists and is valid.

3 The user exit program could not be loaded. Ensure that the user exit program is contained in one of the data sets concatenated in the DFHRPL DD statement and has the correct name.

4 The user exit program has abended. This is a possible error within the user exit program. Check for any abend codes that may have been issued.

5 Loading of the user exit program failed for some other reason. Check the DFHPGLU exit trace entry (PG 0A02) to see why the program manager was unable to load the program.

Destination: CADL

Module: DFHZGAI

XMEOUT Parameters: *date, time, applid, netname, x*

DFHZC6921 W *date time applid* **Autoinstall for NETNAME** *netname* **has been disallowed by the autoinstall control program. Code** *X'code'*

Explanation: An APPC connection not known to CICS has attempted to connect to CICS. However, the autoinstall control program has given a nonzero return code indicating that the install cannot go ahead.

If you do not support APPC autoinstall, the autoinstall control program (DFHZATDX is the default name) automatically returns a nonzero return code to disallow this function.

System Action: The exception trace entry *code* shows the parameter list for the autoinstall control program. The session is terminated. CICS continues.

User Response: The failure code X'*code*' is as follows:

X'FA07' If APPC autoinstall is not supported, use the *netname* to determine which device is attempting autoinstall.

If APPC autoinstall is supported, examine the autoinstall control program to determine why it has not set the return code to allow the install.

Destination: CADL

Module: DFHZGAI

XMEOUT Parameters: *date, time, applid, netname, X'code'*

DFHZC6922 E *date time applid* **Parameter list error during autoinstall for NETNAME** *netname***. Code** *X'code'*

Explanation: An APPC connection not known to CICS has attempted to connect to CICS. However, the autoinstall control program has returned an invalid parameter, or a parameter that has led to an invalid template being used.

System Action: The exception trace entry *code* shows the parameter list for the autoinstall control program. The session is terminated. CICS continues.

User Response: The failure code X'*code*' is one of the following:

X'FA08' No netname or sysid was supplied for the template. Change the autoinstall control program to supply either the netname or the sysid.

X'FA09' The sysid for the new connection has invalid characters. It can only contain A-Z a-z 0-9 and £#@ (where £ is X'5B') Redefine the connection name in the autoinstall control program.

X'FA0A' The sysid for the new connection already exists. Change the autoinstall control program to supply a unique name.

X'FA0B' CICS is unable to locate the supplied template netname. Change the autoinstall control program to supply the correct template name, or use CEDA to install the template connection.

X'FA0C' CICS is unable to locate the supplied template sysid. Change the autoinstall control program to supply the correct template sysid or use CEDA to install the template connection.

X'FA0D' The template is not an APPC connection. Change the autoinstall control program to supply the correct template name, or use CEDA to reinstall the template correctly.

X'FA0E' The bind indicates that a parallel session connection is required. The template is a single session connection. Change the autoinstall control program to supply the correct template name, or use CEDA to reinstall the template correctly.

X'FA0F' The bind indicates that a single session connection is required. The template is a parallel session connection. Change the autoinstall control program to supply the correct template name or use CEDA to reinstall the template correctly.

X'FA10' The modename in the bind does not match the modename in the connection.

For parallel sessions, the SNASVCMG modegroup is missing. The install for the template may have failed - check for any CADL messages mentioning the template name. The template connection may have been corrupted. Try and re-install the template.

For single sessions, the user modegroup name does not match. Change the autoinstall control program to supply the correct template name or use CEDA to reinstall the template correctly.

X'FA11' The program that attempted to INQUIRE on the template has detected an error in the template and is unable to create a BPS with which to install the new connection. This problem may be caused by a failure in the initial install of the template. Check the console and CADL log to determine whether the template installed correctly. Also, use CEMT to ensure that the CONNECTION is correct.

X'FA12' The program that attempted to INQUIRE on a user modegroup for the named template has detected an error in the template and is unable to create a BPS with which to install a user modegroup. This problem may be caused by a failure in the initial install of the template. Check the console and CADL log to determine whether the template installed correctly. Also use CEMT to ensure that the MODEGROUP is correct.

X'FA13' The template connection has no user modegroup. This problem may be caused by a failure in the initial install of the template. Check the console and the CADL log to determine whether the template installed correctly. Also, use CEMT to ensure that the MODEGROUP is correct.

X'FA14' The template connection is out of service so this install cannot continue. If the install should have been allowed to continue, put the relevant template connection INSERVICE using CEMT.

X'FA15' The incoming bind user data does not have a PLUNAME Network Name subfield (id 04). This is required and should have been supplied by the PLU.

X'FA16' The incoming bind user data does not have a MODENAME Network Name subfield (id 02). This is required and should have been supplied by the PLU.

Destination: CADL

Module: DFHZGAI

XMEOUT Parameters: *date, time, applid, netname, X'code'*

DFHZC6923 E *date time applid* **Unacceptable bind parameter during autoinstall for NETNAME** *netname***. Code** *X'code'*

Explanation: CICS has received a BIND from an unknown APPC node. The autoinstall process was initiated, but an invalid bind parameter has been detected. The parameter in error is indicated by the failure code X'*code*' which is one of the following:

X'FA18' There was no session instance ID field in the bind user data.

X'FA19' There was no primary logical unit (PLU) name in the bind user data.

X'FA1A' The PLU name in the bind user data is the same as the LU name of this CICS.

X'FA1B' Security information (an encryption seed) was expected, but not present, in the bind user data.

X'FA1C' Security information (an encryption seed) was found in the bind user data but its length was too high for it to be valid.

X'FA1D' Security information (an encryption seed) was found in the bind user data when none was expected.

X'FA1E' The received bind indicated that it was not negotiable. This is not acceptable for an APPC connection.

X'FA1F' The received bind specified a primary RU size of zero.

X'FA20' The received bind specified a secondary RU size of zero.

X'FA21' The received bind contained inconsistent access security indicators.

X'FA22' Two security information fields (seed and nonce field) were found in the received BIND where only one was expected.

X'FA23' The received BIND contained a nonce field with an incorrect length.

X'FA24' The received BIND did not contain a nonce field.

X'FA25' The received BINDs security mechanisms field length was smaller than the minimum defined by the Architecture.

X'FA26' The received BINDs security mechanisms field contained an invalid length for the mechanism identifier field.

System Action: The exception trace entry with trace point ID 'AP xxxx' (where xxxx is X'*code*') shows the bind that was received. The session is terminated. CICS continues.

User Response: Change the definitions on the connecting LU so that the bind parameters are acceptable to CICS.

Destination: CADL

Module: DFHZGAI

XMEOUT Parameters: *date, time, applid, netname, X'code'*

DFHZC6935 I *date time applid* **Autoinstall for** *restype resid* **with** *{netname | consolename} id* **using model or template** *model* **successful.**

Explanation: CICS has successfully installed resource *restype resid*, with id *id*, using model or template *model*. The *restype* can be TERMINAL or CONNECTION or CONSOLE depending on whether a terminal, an APPC connection, or a console has just been autoinstalled.

System Action: CICS continues.

User Response: None.

Destination: CADL

Modules: DFHZATA, DFHZATA2

XMEOUT Parameters: *date, time, applid, restype, resid, {1=netname, 2=consolename}, id, model*

DFHZC6936 I *date time applid* **Autoinstall for NETNAME** *netname***, model** *modelname* **in MTS control vector not known to CICS.**

Explanation: The VTAM MTS control vector contained a model name *modelname* not defined to CICS.

System Action: CICS continues. This message is informational.

User Response: There are four possible ways of correcting this problem:

- Use the CEDA transaction to define and install the autoinstall model
- Change the VTAM MTS MDLTAB MODEL= entry to the name of an existing autoinstall model.
- Logon to CICS with a MODEL= parameter that defines an existing autoinstall model.
- Code an Autoinstall User Program. Examples are given in the Customization Guide in the Sample Programs and Copybooks section.

Destination: CADL

Module:
DFHZATA

XMEOUT Parameters: *date, time, applid, netname, modelname*

DFHZC6937 I *date time applid* **Autoinstall for NETNAME** *netname***, MTS model** *modelname* **and bind image mismatch.**

Explanation: An autoinstall attempt occurred using the modelname printed. The MODEL BIND (from the CICS model definition) did not match with the incoming bind in CINIT. The MISMATCH_BITS show which bind bits did not match.

System Action: CICS continues.

User Response: There are four possible ways of correcting this problem:

- Change the CICS autoinstall MODEL *modelname* to produce a bind that matches the incoming CINIT.
- Change the MTS MDLTAB MODEL= entry to a model name defined to CICS whose bind matches the CINIT defined in the LOGMODE for this terminal.
- Change the VTAM LOGMODE for this terminal to match the chosen CICS MODEL_BIND.
- Code an autoinstall user program. Examples are given in the Sample Programs and Copybooks section of the *CICS Customization Guide*.

Destination: CADL

Module: DFHZATA

XMEOUT Parameters: *date, time, applid, netname, modelname*

DFHZC6939 W *date time applid* **Autoinstall for NETNAME** *netname*, **Invalid length** *nn* **found in cinit control vector at offset** *offset*

Explanation: CICS verification checks on the format of the control vectors in the CINIT have failed.

offset indicates the first point of failure. This is either a length field greater than 128, or a length field which would cause CICS to overrun the end of a CINIT vector or subvector.

This is either due to incorrect format of the CINIT RU (and therefore probably a VTAM logic error), or due to incorrect parsing of the CINIT RU by DFHZATD, which is a CICS logic error.

System Action: CICS continues. The logon request is rejected.

User Response: Inspect the format of the CINIT RU as captured by the autoinstall program for all rejected logon requests. The first point of failure may be at *offset* or before it since CICS verification checks are permissive.

If the format is incorrect, the origin of the invalid CINIT should be tracked and the problem resolved there.

If the format is correct, this is a CICS logic error. In this case you will need further assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: CADL

Module: DFHZATA

XMEOUT Parameters: *date, time, applid, netname, nn, offset*

DFHZC6942 W *date time applid* **Autoinstall for** *resource resid* **failed.**

Explanation: An AUTOINSTALL attempt to install *resource resid* has failed.

System Action: CICS continues.

User Response: For the cause of the failure, look for a previous message containing the same *resid*.

Destination: CADL

Modules: DFHZATA, DFHZATA2

XMEOUT Parameters: *date, time, applid, resource, resid*

DFHZC6943 W *date time applid* **Autoinstall delete for** *resource resid*, *{netname | consolename} id* **failed.**

Explanation: An AUTOINSTALL attempt to delete *resource resid* has failed.

System Action: CICS continues.

User Response: For the cause of the failure, look for a previous message containing the same *resid*.

Destination: CADL

Module: DFHZATD

XMEOUT Parameters: *date, time, applid, resource, resid, {1=netname, 2=consolename}, id*

DFHZC6944 W *date time applid* **Autoinstall for** *{netname | consolename} id* **failed. RC** *x*

Explanation: An autoinstall attempt to install terminal *id* has failed. The autoinstall program call to the user exit program failed with return code *x*. The *id* is either a netname or a consolename.

System Action: CICS continues.

User Response: Possible causes of the problem and an indication of how to solve them are given in the following list of return code meanings:

Return Code	***Meaning and solution***
1	The user exit program should be linked with AMODE(31). Ensure that the user exit is linked to the correct AMODE.
2	The user exit program has no PPT entry. Ensure that the PPT entry for the user exit program exists and is valid.
3	The user exit program could not be loaded. Ensure that the user exit program is contained in one of the data sets concatenated in the DFHRPL DD statement and has the correct name.
4	The user exit program has abended. This is a possible error within the user exit program. Check for any abend codes that may have been issued.

Destination: CADL

Modules: DFHZATA, DFHZATA2

XMEOUT Parameters: *date, time, applid, {1=netname, 2=consolename}, id, x*

DFHZC6945 W *date time applid* **Autoinstall delete for** *{netname | consolename} id* **failed. RC** *x*

Explanation: An autoinstall attempt to install resource *id* has failed. The issuing module, either DFHZATA or DFHZATA2, called the user exit program for DELETE but the user exit failed for reasons given in return code *x*. If the resource being installed was a terminal, the issuing module was DFHZATA. Otherwise, if a console was being installed, DFHZATA2 was the issuing module.

System Action: CICS continues.

User Response: Possible causes of the problem and an indication of how to solve them are given in the following list of return code meanings:

Return Code	***Meaning and solution***
1	The user exit program should be linked with AMODE(31). Ensure that the user exit is linked to the correct AMODE.
2	The user exit program has no PPT entry. Ensure that the PPT entry for the user exit program exists and is valid.
3	The user exit program could not be loaded. Ensure that the user exit program is contained in one of the data sets concatenated in the DFHRPL DD statement and has the correct name.
4	The user exit program has abended. This is a possible error within the user exit program. Check for any abend codes that may have been issued.

Destination: CADL

Modules: DFHZATA, DFHZATA2

XMEOUT Parameters: *date, time, applid, {1=netname, 2=consolename}, id, x*

DFHZC6946 W *date time applid* **Delete user exit for autoinstalled** *resource resid*, *{netname | consolename} id* **failed. RC** *x*.

Explanation: CICS has deleted the autoinstalled *resource resid*. The call to the delete user exit program failed for reasons given in return code *x*.

System Action: CICS continues.

User Response: Possible causes of the problem and an indication of how to solve them are given in the following list of return code meanings:

Return Code	***Meaning and solution***
1	The user exit program should be linked with AMODE(31). Ensure that the user exit is linked to the correct AMODE.
2	The user exit program has no PPT entry. Ensure that the PPT entry for the user exit program exists and is valid.
3	The user exit program could not be loaded. Ensure that the user exit program is contained in one of the data sets concatenated in the DFHRPL DD statement and has the correct name.
4	The user exit program has abended. This is a possible error within the user exit program. Check for any abend codes that may have been issued.

Destination: CADL

Module: DFHZATD

XMEOUT Parameters: *date, time, applid, resource, resid, {1=netname, 2=consolename}, id, x*

DFHZC6948 W *date time applid* **Delete for connection** *sysid*, **NETNAME** *netname* **failed due to CATD initiation failure. Module** *module*.

Explanation: CICS was attempting to delete an autoinstalled APPC connection *sysid* but the attempt failed because CICS was unable to initiate the CATD transaction. The specific circumstances depend on the module:

DFHZATR After a CICS restart transaction, DFHZATR was driven to delete autoinstalled connections but CATD failed to initate.

DFHZCLS Connection *sysid* was released and DFHZCLS was attempting to initiate the CATD transaction to delete the connection but CATD failed to initiate.

DFHZGCH An attempt was made to delete *sysid* after a sucessful CHANGE ENDAFFIN request however CATD failed to initiate.

System Action: The connection is left in a released state. CICS continues.

User Response: Ensure that the definitions for transaction CATD and program DFHZATD are correct. If you still wish to delete this connection, use CEMT DISCARD CONNECTION or EXEC CICS DISCARD CONNECTION.

Destination: CADL

Modules: DFHZATR, DFHZCLS, DFHZGCH

XMEOUT Parameters: *date, time, applid, sysid, netname, module*

DFHZC6950 W *date time applid* **Autoinstall for terminal** *termid* **failed with RC** *x*.

Explanation: An autoinstall attempt to install terminal *termid* has failed. The autoinstall program call to the user exit program failed with return code *x*.

System Action: CICS continues.

User Response: Possible causes of the problem and an indication of how to solve them are as follows:

Return Code	***Meaning and solution***
1	The user exit program is not linked with AMODE(31). Ensure that the user exit is linked to the correct AMODE.
2	The user exit program has no PPT entry. Ensure that the PPT entry for the user exit program exists and is valid.
3	The user exit program could not be loaded. Ensure that the user exit program is contained in one of the data sets concatenated in the DFHRPL DD statement and has the correct name.
4	The user exit program has abended. This is a possible error within the user exit program. Check for any abend codes that may have been issued.

Destination: CADL

Module: DFHZATS

XMEOUT Parameters: *date, time, applid, termid, x*

DFHZC6951 W *date time applid* **Autoinstall for terminal** *termid* **failed with RC** *x*.

Explanation: An autoinstall attempt to install terminal *termid* has failed. The autoinstall program call to the user exit program failed with return code *x*.

System Action: CICS continues.

User Response: Possible causes of the problem and an indication of how to solve them are as follows:

Return Code	***Meaning and solution***
1	The user exit program is not linked with AMODE(31). Ensure that the user exit is linked to the correct AMODE.
2	The user exit program has no PPT entry. Ensure that the PPT entry for the user exit program exists and is valid.
3	The user exit program could not be loaded. Ensure that the user exit program is contained in one of the data sets concatenated in the DFHRPL DD statement and has the correct name.
4	The user exit program has abended. This is a possible error within the user exit program. Check for any abend codes that may have been issued.

Destination: CADL

Module: DFHZATMD

XMEOUT Parameters: *date, time, applid, termid, x*

DFHZC6958 W *date time applid* **Autoinstall for** *{netname | consolename} id***, resource** *X'termid'* **failed.** *{RESOURCE | PRINTER | ALTPRINTER}* **ID is invalid. RC=***n***.**

Explanation: The *RESOURCE*, *PRINTER*, or *ALTPRINTER* ID supplied by the AUTOINSTALL exit program is invalid. The return code *n* can be one of the following:

n	Meaning
1	Invalid blank in column one
2	Invalid imbedded blank
3	Invalid character used.

System Action: CICS continues but does not install the object.

User Response: Change the AUTOINSTALL exit program to create IDs that contain only valid characters. These are specified in the *CICS Customization Guide*.

Destination: CADL

Modules: DFHZATA, DFHZATA2

XMEOUT Parameters: *date, time, applid, {1=netname, 2=consolename}, id, X'termid', {1=RESOURCE, 2=PRINTER, 3=ALTPRINTER}, n*

DFHZC6966 I *date time applid* **Autoinstall delete for** *restype resid* **with** *{netname | consolename} id* **was successful.**

Explanation: CICS has successfully deleted the autoinstalled resource *restype resid*. The *restype* can be a terminal, an APPC connection, or a console.

System Action: CICS continues.

User Response: None.

Destination: CADL

Module: DFHZATD

XMEOUT Parameters: *date, time, applid, restype, resid, {1=netname, 2=consolename}, id*

DFHZC6987 W *date time applid* **Autoinstall best failure for NETNAME** *netname* **was model** *model***.**

Explanation: An autoinstall attempt has failed for lack of an exact match.

netname is the netname of the LU which failed to logon,

model is the name of the model that gave the best failure (that is, the one that had the fewest bits different from the BIND image supplied by VTAM).

The following associated information is also written to CADL:

xxxxxxxx... is a string of hexadecimal digits, where *xx* represents one byte, and each byte position represents the corresponding byte position in the BIND image.

CINIT BIND: *xxxxxxxx* is the bind image supplied by VTAM.

MODEL BIND: *xxxxxxxx* is the best model.

MISMATCH BITS: *xxxxxxxx* represents a comparison of the relevant bits from above. A bit set to '1' indicates a mismatch in that position between the BIND image from VTAM and the BIND image associated with the model.

System Action: CICS continues.

User Response:

1. Determine whether the model *model* is suitable. If there are several models which have options, such as TRANSECKEYS, then only the first such model is named in the above message. It will be up to the user-program to make the choice, when the logmode table entry is corrected.
2. Identify the entry in the VTAM logmode table that is being used.
3. Check that this logmode table entry is not successfully in use with other applications, so that to change it might cause this other use of it to fail.
4. Amend the logmode table entry by switching the bits corresponding to '1' bits in the mismatch string. That is, if the bit in the VTAM bind image corresponding to the bit position set to '1' in *xxxxxxxx*... is '1', set it to '0'. If it is '0', set it to '1'.

For further information, refer to the *CICS Customization Guide*.

More on the meaning of the various bits in a bind image may be found in *ACF/VTAM Programming* manual, (SC27-0611).

Details of the preparation of VTAM logmode table entries are given in *ACF/VTAM Customization* manual, (SC27-0613).

Destination: CADL

Module: DFHZATA

XMEOUT Parameters: *date, time, applid, netname, model*

DFHZExxxx messages

DFHZE2600 Syst.sense *systsense***,***termid***,***taskid***, Unidentified sense information**

Explanation: The error message writer (DFHEMW) was scheduled to send an error message, but could not identify the system sense code.

System Action: The task is abnormally terminated.

User Response: Refer to the associated messages that were issued previously for further information and guidance.

Destination: Terminal End User

Module: DFHZEMW

DFHZE2604 Syst.sense 0811,*termid***,***taskid***, Unprocessed data at detach**

Explanation: The task to be detached did not completely process the inbound data chain.

System Action: Purging of data is done until end-of-chain (EOC) or CANCEL has been received.

User Response: None.

Destination: Terminal End User

Module: DFHZDET

DFHZNxxxx messages

DFHZN2130 *date time applid* **A unit of work has been shunted but the connection with the remote system does not support the shunt protocols. Resources on the remote system may be out of sync with those on this CICS after the UOW is resynchronized. Failure date** *mm/dd/yy* **failure time** *hh:mm:ss* **remote system** *netname* **transaction** *tranid* **task number** *trannum* **operator terminal** *termid* **user** *userid* **network UOW** *netuowid* **local UOW** *X'localuow'***.**

Explanation: This message is preceded by message DFHAC2231. An application has requested syncpoint, either via EXEC CICS SYNCPOINT or implicitly via EXEC CICS RETURN. The coordinator of the syncpoint is not this CICS system but is remote.

Transaction *tranid* has lost contact with its coordinator system during the indoubt period.

System Action: In accordance with the transaction definition, the unit of work is not completed. It is allowed to wait for resynchronization with the coordinator system. The transaction is abnormally terminated with abend code ASP1. The unit of work is shunted to await the return of the coordinator system.

As part of this processing, CICS has attempted to pass on the shunt request to another partner system. However, this partner does not support the shunting protocols, and so this partner may backout or commit changes to its resources independently of this shunted unit of work.

User Response: Following resynchronization with the coordinator system, determine whether the remote function shipped resources are out of synchronization. The action to take depends on local procedures and the design of the application program. For example, it may be possible to rerun the application but only making updates to remote resources. Refer to the *CICS Intercommunication Guide* for information on design considerations in a distributed environment.

Destination: CSMT

Module: DFHCR2U

XMEOUT Parameters: *date, time, applid, mm/dd/yy, hh:mm:ss, netname, tranid, trannum, termid, userid, netuowid, X'localuow'*

DFHZN2131 *date time applid* **Intersystem session failure during CICS synclevel one commit. Local resources may be out of sync with those on the remote system. Failure date** *mm/dd/yy* **failure time** *hh:mm:ss* **remote system** *netname* **transaction** *tranid* **task number** *trannum* **operator terminal** *termid* **user** *userid* **network UOW** *netuowid* **local UOW** *X'localuowid'***.**

Explanation: A CICS application has been using APPC synclevel 1 to process remote function shipped resources. The application took a syncpoint, either implicitly or explicitly, and this has caused all local resources and synclevel 2 partners to be committed. However, a session failure occurred at a critical time during the synclevel 1 commit processing, and the synclevel 1 function shipped resources may have committed successfully or may have backed out.

System Action: CICS synclevel 1 commit processing continues, with the intention of committing as many synclevel 1 resources as possible. For APPC synclevel 1, CICS does not attempt to resolve the situation any further.

On completion of the syncpoint, CICS abends the user task.

User Response: Determine whether the remote function shipped resources are out of synchronization. The action to take depends on local procedures and the design of the application program. For example, it may be possible to rerun the application but only making updates to remote resources. Refer to the *CICS Intercommunication Guide* for information on design considerations in a distributed environment.

Destination: CSMT

Module: DFHCR2U

XMEOUT Parameters: *date, time, applid, mm/dd/yy, hh:mm:ss, netname, tranid, trannum, termid, userid, netuowid, X'localuowid'*

DFHZN2132 *date time applid* **Rollback received in response to CICS synclevel one commit. Local resources are out of sync with those on the remote system. Failure date** *mm/dd/yy* **failure time** *hh:mm:ss* **remote system** *netname* **transaction** *tranid* **task number** *trannum* **operator terminal** *termid* **user** *userid* **network UOW** *netuowid* **local UOW** *X'localuowid'***.**

Explanation: A CICS application has been using APPC synclevel 1 to process remote function shipped resources. The application took a syncpoint, either implicitly or explicitly, and this has caused all local resources and synclevel 2 partners to be committed. However, when a commit message was sent to a synclevel 1 function shipped resource, the resource voted to backout.

System Action: Synclevel 1 commit processing continues with the intention of committing as many synclevel 1 resources as possible. For APPC synclevel 1, CICS does not attempt to resolve the situation any further.

On completion of the syncpoint, CICS abends the user task.

User Response: The action to take depends on local procedures and the design of the application program. For example, it may be possible to rerun the application but only making updates to remote resources. Refer to the *CICS Intercommunication Guide* for information on design considerations in a distributed environment.

Destination: CSMT

Module: DFHCR2U

XMEOUT Parameters: *date, time, applid, mm/dd/yy, hh:mm:ss, netname, tranid, trannum, termid, userid, netuowid, X'localuowid'*

DFHZN2133 *date time applid* **Error detected during CICS synclevel one commit. Reason code** *rc***. Local resources may be out of sync with those on the remote system. Failure date** *mm/dd/yy* **failure time** *hh:mm:ss* **remote system** *sysid* **transaction** *tranid* **task number** *trannum* **operator terminal** *termid* **user** *userid* **network UOW** *netuowid* **local UOW** *X'localuowid'***.**

Explanation: A CICS application has been using APPC synclevel 1 to process remote function shipped resources. The application took a syncpoint, either implicitly or explicitly, and this has caused all local resources and synclevel 2 partners to be committed. However, when a commit message was sent to a synclevel 1 function shipped resource, the reply indicated that an error has occurred. The reason code provides details of the error and has the following values:

01 Protocol violation by partner system – unexpected FMH data
02 Protocol violation by partner system – unexpected syncpoint message data
03 Abend received

04 Deadlock or read timeout.

System Action: CICS synclevel 1 commit processing continues, with the intention of committing as many synclevel 1 resources as possible.

For reason code 01, a transaction dump with dump code ASPI is taken. For reason code 02, a transaction dump with dump code ASPJ is taken. On completion of the syncpoint, CICS abends the user task.

User Response: The action to take depends on local procedures.

For reason codes 01 and 02, examine the dump to determine what message data was received from the partner. This information is held in one of the terminal input/output areas. A failure in the communication system might have caused corruption of the data.

Reason code 03 indicates that the partner system has sent an abend. There is an error in the partner system which may need to be investigated.

Reason code 04 indicates that the partner system took too long to respond to the synclevel 1 commit. There could be a problem with the remote system, or the communication system. It may be necessary to increase the deadlock timeout or read timeout values to prevent this recurring.

Destination: CSMT

Module: DFHCR2U

XMEOUT Parameters: *date, time, applid, rc, mm/dd/yy, hh:mm:ss, sysid, tranid, trannum, termid, userid, netuowid, X'localuowid'*

DFHZN2701 *date time applid* **Log data sent on ISC session is** *xxxxxxxx*

Explanation: This is an informational message. The transaction is communicating with a logical unit type LU6.2. It has sent an FMH (function management header) which carries log data.

System Action: The transaction continues processing.

User Response: None.

Destination: CSNE

Module: DFHZERH

XMEOUT Parameters: *date, time, applid, xxxxxxxx*

Chapter 2. AXM server environment messages

The following messages are issued by the authorized cross-memory (AXM) server environment, which is a package of run-time services used by the CICS shared temporary storage (TS) queue pool server. See the *CICS System Definition Guide* for more information about AXM and the CICS TS queue pool server.

Notes:

1. AXM messages are not issued by a CICS region and hence do not use the CICS message domain. They cannot be viewed with the CMAC transaction, suppressed with the XMEOUT user exit, or changed with the message editing utility.
2. These messages are normally displayed in mixed case English. If your terminals cannot display lowercase English characters, see the *CICS Customization Guide* for guidance on converting the messages to uppercase.

AXM error recovery messages

AXMER0001 ABEND *xxx-rr* **occurred at** *address***, data** *word1 word2 word3***.**

Explanation: The AXM error recovery routine has intercepted an abend in a task running under an AXM server region TCB. The abend code is shown as three hexadecimal digits for a system completion code or four decimal digits for a user completion code. The data consists of the twelve bytes around the PSW address as provided by MVS in the SDWA.

System Action: The error recovery routine will first call AXMWH which attempts to identify the module and procedure in which the abend occurred and writes out a further message if successful. After this, if recovery is allowed, the error recovery routine terminates the affected AXM internal task and resumes normal processing, otherwise it percolates the error, causing the server region to be abnormally terminated.

The system will normally produce a symptom dump message on the job log, and a full dump may be produced if an appropriate DD statement (SYSUDUMP, SYSMDUMP or SYSABEND) is present in the server region JCL.

User Response: Look up the completion code to identify the cause of the abend.

Destination: Console and print file

Module: AXMER

AXMER0002 TRAP occurred at offset *offset* **in** *procname***.**

Explanation: An internal logic error in a server resulted in a TRAP macro being executed at the specified location.

The system will normally produce a symptom dump message on the job log, and a full dump may be produced if an appropriate DD statement (SYSUDUMP, SYSMDUMP or SYSABEND) is present in the server region JCL.

System Action: The AXM task is abnormally terminated.

User Response: This probably indicates a logic error in server code, or an attempt to use some internal component of the server outside its correct context.

If the procedure name in the message begins with AXM, this probably indicates that the server code which called it has passed inconsistent parameters, such as an invalid address when releasing main storage.

Destination: Console and print file

Module: AXMER

AXM event management messages

AXMEV0001 AXM only supports operating system WAIT on MVS.

Explanation: An attempt has been made to issue an operating system WAIT within an AXM server, but the server is not running on MVS. In this case, the MVS POST exit mechanism used by AXM is unavailable and operating system waits cannot be supported.

System Action: The program is abnormally terminated.

User Response: None.

Destination: Console

Module: AXMEV

AXMEV0003 The AXM POST exit could not be created because AXM system services are not available.

Explanation: AXM server region initialization needed to define the MVS POST exit used by AXM for operating system waits, but AXM system services were not available within the current MVS image.

System Action: The server region is terminated with return code 8.

User Response: Start up AXM system services first then restart the server region. AXM system services are normally started at IPL using a subsystem definition in IEASSNxx specifying AXM as the subsystem name and AXMSI as the initialization routine. They can also be started up without an IPL by defining the subsystem dynamically using the SETSSI command.

Destination: Console and print file

Module: AXMEV

AXMEV0004 The AXM POST exit could not be created, return code was *rc***.**

Explanation: The MVS POST exit used by AXM for operating system waits could not be created because the AXM system services routine gave a non-zero return code. The only known reason for this is that AXM system services have been withdrawn, which should not be possible in a production environment.

System Action: The server region is terminated with return code 8.

User Response: None.

Destination: Console and print file

Module: AXMEV

AXMEV0005I The AXM POST exit had already been created for this address space.

Explanation: During server initialization, AXM system services found that the MVS POST exit used by AXM for operating system waits had already been created for this address space. AXM therefore bypassed trying to create the same POST exit again as this would have resulted in an abend 702-04.

This can occur when a previous server execution in the same address space was terminated abnormally.

System Action: Processing continues

User Response: None.

Destination: Console and print file

Module: AXMEV

AXMEV0006I The AXM POST exit could not be deleted, return code was *rc*.

Explanation: The MVS POST exit used by AXM for operating system waits could not be deleted because the AXM system services routine gave a non-zero return code. The only known reason for this is that AXM system services have been withdrawn, which should not be possible in a production environment.

System Action: Processing continues.

User Response: None.

Destination: Console.

Module: AXMEV

AXM stack (LIFO) storage messages

AXMLF0001S LIFO storage cannot be set up because the PRV size exceeds 4K.

Explanation: AXM initialization has detected that the total link-edited size of the pseudo-register vector (PRV) for the server application load module exceeds the maximum size of 4096 supported by AXM. The PRV contains task-related variables used by AXM resource management plus any task-related data areas defined by server code using the Assembler DXD operation code or Q-type address constants.

System Action: The server is abnormally terminated.

User Response: The server programmer needs to decrease the size of task-related variables defined in the PRV. When a large amount of task-related information needs to be stored, it is better to store the information in some separately acquired storage area (such as AXM heap storage) and put only a pointer to it in the PRV.

Destination: Console

Module: AXMLF

AXM lock management messages

AXMLK0001 Lock at *address* is already owned for shared use by this task.

Explanation: An AXM server program attempted to acquire exclusive ownership of an AXM lock which was already in shared ownership for the current task. This is not allowed, as the task cannot wait for itself.

System Action: The AXM lock request is rejected.

User Response: The server programmer needs to modify the program logic. It could for example use an AXM lock PROMOTE to convert the shared lock to an exclusive lock.

Destination: Console and print file

Module: AXMLK

AXMLK0002 *function* failed because lock at *address* is not owned by this task.

Explanation: An AXM server program tried to release, demote or promote an AXM lock but the lock was not owned by the current AXM task.

System Action: The AXM lock request is rejected.

User Response: The server program logic is in error.

Destination: Console and print file

Module: AXMLK

AXM operating system interface messages

AXMOS0001I The main procedure entry point is *name* at address *address*.

Explanation: This message is written to the print file during AXM initialization to indicate the name and entry point address of the server main procedure. This is primarily for debugging purposes.

System Action: Processing continues.

User Response: None.

Destination: Print file

Module: AXMOS

AXMOS0002 The main procedure is missing, or the END statement does not name the entry point.

Explanation: The AXM server load module which is being executed does not contain a procedure which has been identified as the AXM main procedure.

System Action: The server region is terminated with return code 16.

User Response: Check that the main procedure was correctly included in the link edit. If it was, make sure that its entry point name was correctly specified on the END statement and that it was assembled using AXM macros with the macro AXMSET appearing before the MODULE statement and the option ENVIRON=AXM specified on the MODULE statement.

Destination: Console and SYSPRINT

Module: AXMOS

AXM storage page pool management messages

AXMPG0001I The main free area above 16M was at address *xxxxxx*, size *nnnn*K.

Explanation: This message is written to the print file during AXM initialization to indicate the size of the largest area of 31-bit addressable private region storage available at that time.

System Action: Processing continues.

User Response: None.

Destination: Print file

Module: AXMPG

AXMPG0002I The main free area below 16M was at address *xxxxxx1*, size *nnnn*K.

Explanation: This message is written to the print file during AXM initialization to indicate the size of the largest area of 24-bit addressable private region storage available at that time.

System Action: Processing continues.

User Response: None.

Destination: Print file

Module: AXMPG

AXMPG0003I Storage page pool *areaname* created, address *xxxxxx*, size *nnnn*K.

Explanation: This message is written to the print file during AXM initialization to show the size and address of each storage page pool as it is created. Once this has been done, most AXM storage requests are allocated from this page pool rather than with MVS GETMAIN.

System Action: Processing continues.

User Response: None.

Destination: Print file

Module: AXMPG

AXMPG0004I Usage statistics for storage page pool *areaname*:

Explanation: This message shows statistics for the named storage page pool (since the most recent statistics reset, if any). It is automatically written to the print file at AXM region termination, and may also be requested at other times by the server.

The detailed message layout is as follows:

```
    Size    In Use  Max Used      Free  Min Free
      nK        nK        nK        nK        nK
    100%        n%        n%        n%        n%
              Gets     Frees   Retries     Fails
                 n         n         n         n
```

Each of the storage statistics is shown in two forms, as a number of kilobytes and as a percentage of the total size.

The individual fields have the following meanings:

Size	Total size of the storage pool.
In Use	The amount of storage which is currently in use.
Max Used	The highest amount of storage which has been in use.
Free	The amount of storage within the pool which is current free.
Min Free	The lowest amount of storage which has been free.
Gets	The number of requests to obtain storage within the pool.
Frees	The number of requests to release storage within the pool.
Retries	The number of times that a storage request initially failed and was retried after merging any adjacent small free areas to form larger areas.
Fails	The number of times that a storage request was unable to obtain the requested amount of storage even after a retry.

System Action: Processing continues.

User Response: None.

Destination: Print file

Module: AXMPG

AXM resource tracking messages

AXMRS0001 Tidy-up routine at *address* failed to free resource tracking cell.

Explanation: A server routine established an AXM resource tracking element specifying that a procedure was to be called to release the resource if the task was terminated without releasing the resource. The AXM task is now terminating, and the procedure identified in the tracking element was called, but the resource tracking element was still in existence when it returned. The entry point address of the relevant procedure is indicated in the message.

System Action: The tracking element is released on the assumption that the resource has now been deleted, and AXM task termination continues.

User Response: The server programmer needs to ensure that the procedure to release the resource also frees the resource tracking element.

Destination: Console and print file

Module: AXMRS

AXM server connection and system services messages

AXMSC0011I AXM system services initialization is in progress.

Explanation: AXM system services are being started up, normally as a result of being called by the AXM subsystem initialization routine.

System Action: Processing continues.

User Response: None.

Destination: Console

Module: AXMSC

AXMSC0012I AXM system services initialization has completed.

Explanation: AXM system services are now fully available in the current MVS image.

System Action: AXM cross-memory server connection requests and requests for the POST exit system services will now be accepted.

User Response: None.

Destination: Console

Module: AXMSC

AXMSC0013 AXM system services have already been initialized.

Explanation: An attempt was made to set up AXM system services again when they are already active in the current MVS image.

System Action: The attempt is ignored.

User Response: None.

Destination: Console

Module: AXMSC

AXMSC0021I AXM system services termination is in progress.

Explanation: AXM system services are being withdrawn. This is only possible if they were initialized using the AXM system region program AXMSR instead of being set up via subsystem initialization.

System Action: The AXM system services program call table is deleted and all entry points in the AXM system services anchor are replaced with dummy routines which return an indication that the service are not available.

User Response: Note that the results of attempting to call any AXM system service around this time are unpredictable. AXM system services should never be withdrawn in a production environment at any time when it is possible that they could be in use.

Destination: Console

Module: AXMSC

AXMSC0022I AXM system services termination has completed.

Explanation: AXM system services have been closed down for this MVS image.

System Action: AXM system services are no longer available.

User Response: None.

Destination: Console

Module: AXMSC

AXMSC0031I Connection to server *prefix.name* **has been opened.**

Explanation: The current region has established an AXM connection to the AXM server *prefix.name*.

System Action: Processing continues.

User Response: None.

Destination: Console

Module: AXMSC

AXMSC0032 Connection to server *prefix.name* **failed because the server was not found.**

Explanation: The current region tried to establish an AXM connection to the AXM server *prefix.name* but could not do so because there is no active server of that name enabled for AXM connections.

System Action: The connection attempt is rejected with return code 8, reason code 32.

User Response: Ensure that the server is started and that its name was specified correctly.

Destination: Console

Module: AXMSC

AXMSC0033 Connection to server *prefix.name* **was rejected by the security system.**

Explanation: The current region tried to establish an AXM connection to the AXM server *prefix.name* but the request was rejected by the security system.

System Action: The connection attempt is rejected with return code 8, reason code 33.

User Response: See the previous AXM message giving details of the results of the security check.

Destination: Console

Module: AXMSC

AXMSC0034 Connection to server *prefix.name* **failed because all AXM connections are in use.**

Explanation: The current region tried to establish an AXM connection to the AXM server *prefix.name* but the maximum number of AXM connections supported within an MVS image (currently 4096) has been reached.

System Action: The connection is rejected with return code 8, reason code 34.

User Response: If you anticipate a need for more than 4096 AXM server connections within a single MVS image, you will need assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Destination: Console

Module: AXMSC

AXMSC0035 Connection to server *prefix.name* **failed because request limit** *reqs* **exceeds 9999.**

Explanation: The current region tried to establish an AXM connection to the AXM server *prefix.name* but the connection parameter specifying the maximum number of concurrent requests to be supported exceeds 9999.

System Action: The connection is rejected with return code 8, reason code 35.

User Response: Check whether the server interface program is specifying the correct value for the maximum number of concurrent requests.

Destination: Console

Module: AXMSC

AXMSC0036 Connection to server *prefix.name* was rejected by the server.

Explanation: The current region tried to establish an AXM connection to the AXM server *prefix.name* but the server-defined connection exit rejected the request.

System Action: The connection is rejected with return code 8, reason code 36.

User Response: The reason for the rejection depends on the server code, but this typically occurs if the server is preparing to close down or has insufficient resources to accept another connection.

Destination: Console

Module: AXMSC

AXMSC0037 Connection to server *prefix.name* failed because the server is terminating.

Explanation: The current region tried to establish an AXM connection to the AXM server *prefix.name* but the server entered termination processing while the connection request was in progress.

System Action: The connection is rejected with return code 8, reason code 37. The instance of the server that was being terminated will no longer be visible to any new connection attempts.

User Response: Retry the connection when the server has been restarted.

Destination: Console

Module: AXMSC

AXMSC0038 Connection to server *prefix.name* failed because this address space is already connected to it.

Explanation: The current region tried to establish an AXM connection to the AXM server *prefix.name* but it already has a connection to the same server region. AXM does not support multiple connections from the same region to the same server region.

System Action: The connection is rejected with return code 8, reason code 38.

User Response: None.

Destination: Console

Module: AXMSC

AXMSC0041I Connection to server *prefix.name* has been closed.

Explanation: An AXM connection from the current region to the named server has been terminated, either as a result of being explicitly closed by this region or as a result of the termination of the MVS TCB which originally established the connection.

System Action: Processing continues.

User Response: None.

Destination: Console

Module: AXMSC

AXMSC0042 Connection close failed for token *xxxxxxxx*, reason is *n*.

Explanation: An attempt was made to close an AXM connection explicitly but the specified connection token did not refer to an active connection owned by the current region, or the connection could not be closed for some other reason.

The reason code indicates which validity check failed within procedure AXMSCCLS. Reason code 9 indicates that a request issued via the connection has not yet completed. Any other reason code probably indicates an incorrect token.

System Action: The attempt is rejected with return code 8, reason code 42.

User Response: Check that the connection close request is specifying the correct connection token and that there are no incomplete requests for the connection.

Destination: Console

Module: AXMSC

AXMSC0051I Server *prefix.name* is now enabled for connections.

Explanation: This AXM server has completed initialization and is now available for connections from other address spaces.

System Action: Processing continues.

User Response: None.

Destination: Console

Module: AXMSC

AXMSC0052 Server *prefix.name* cannot be enabled because it is already active in another address space.

Explanation: Only one instance of a given AXM server name can be active in an MVS image at a time.

System Action: The attempt to enable the server interface is rejected with return code 8, reason code 52.

User Response: None.

Destination: Console

Module: AXMSC

AXMSC0053 Server *prefix.name* cannot be enabled because caller is not APF authorized.

Explanation: AXM requires that an AXM server region must be running APF authorized in order to be allowed to enable its server interface.

System Action: The attempt to enable the server interface is rejected with return code 8, reason code 53.

User Response: Ensure that the server program is executed from an APF authorized library and is link-edited with AC(1).

Destination: Console

Module: AXMSC

AXMSC0054 Server *prefix.name* **cannot be enabled because the security system rejected the request.**

Explanation: The security system detected that the server region userid was not correctly authorized to act as an AXM server with the specified server name.

System Action: The attempt to enable the server interface is rejected with return code 8, reason code 54.

User Response: See the previous AXM message giving details of the results of the security check.

Destination: Console

Module: AXMSC

AXMSC0061I Server *prefix.name* **is now disabled for connections.**

Explanation: This AXM server is terminating and is no longer available for connections from other address spaces. This occurs either when the server explicitly disables its interface or when the server job step task terminates.

System Action: Processing continues.

User Response: None.

Destination: Console

Module: AXMSC

AXMSC0062 Server disable failed for token *xxxxxxxx***, reason is** *n***.**

Explanation: An attempt to disable the server interface failed because the specified server interface token did not correctly identify an active server interface established by the current address space.

The reason code provides an internal indication of which validity check failed within procedure AXMSCDIS. All reason codes probably indicate an incorrect token.

System Action: The attempt to disable the server interface is rejected with return code 8, reason code 62. If the server interface is still enabled, it will be disabled automatically when the job step task terminates.

User Response: As the server interface token is stored internally by AXM, the only known possible reason for this message is storage overwriting within the server region.

Destination: Console

Module: AXMSC

AXMSC0063 Server *prefix.name* **cannot be disabled because caller is not APF authorized.**

Explanation: AXM requires that an AXM server region must be running APF authorized in order to be allowed to disable its server interface.

System Action: The attempt to disable the server interface is rejected with return code 8, reason code 63.

User Response: Ensure that the server program is executed from an APF authorized library and is link-edited with AC(1).

Destination: Console

Module: AXMSC

AXMSC0071 Server name *prefix.name* **has incorrect syntax for access checks.**

Explanation: The security checking routine has detected that the AXM server name specified on a connection request or on a server enable request is not in the correct form, for example because either the prefix or name is blank. This means that the security check cannot be performed.

System Action: A return code is set to indicate that the security check failed.

User Response: Check that the server prefix and name are specified correctly. The prefix is normally defined by the server, but the name may be set from a user-specified server parameter.

Destination: Console

Module: AXMSC

AXMSC0072 *level* **access authorization was denied for FACILITY** *facility***.**

Explanation: The external security manager has indicated that the current region is not authorized for the required level of access to the specified facility.

System Action: A return code is set to indicate that the security check failed.

User Response: Check whether the userid for the region has been authorized to access the specified facility resource name.

Destination: Console

Module: AXMSC

AXMSC0073 *level* **access authorization is unavailable for FACILITY** *facility***.**

Explanation: The external security manager has indicated that it is unable to determine whether the current region is authorized for the required level of access to the specified facility. This message is only issued if it is not possible for the security routine to determine whether security checking is actually required. In cases where it is obvious that no security check is required (for example because no external security manager is installed), access is granted anyway.

System Action: A return code is set to indicate that the security check failed.

User Response: Check whether the external security manager is available and whether the security definitions for the specified facility have been provided.

Destination: Console

Module: AXMSC

AXMSC0074 RACROUTE REQUEST=AUTH gave R15=*xxxxxxxx***, SAFPRRET=***xxxxxxxx***, SAFPRREA=***xxxxxxxx***.**

Explanation: This message provides additional details about the results of a security check in any case where access is not granted. See the documentation of the RACROUTE macro for further information.

System Action: Processing continues.

User Response: None.

Destination: Console

Module: AXMSC

AXMSC0075 RACROUTE REQUEST=STAT gave R15=*xxxxxxxx*, SAFPRRET=*xxxxxxxx*, SAFPRREA=*xxxxxxxx*.

Explanation: This message provides additional details about the results of a security check in any case where access is not granted. See the documentation of the RACROUTE macro for further information.

System Action: Processing continues.

User Response: None.

Destination: Console

Module: AXMSC

AXMSC0991I Creating new AXM system services anchor at *address*.

Explanation: This message is issued during AXM system services initialization to enable the system services anchor to be located if necessary for diagnostic purposes.

System Action: AXM system services initialization processing continues.

User Response: None.

Destination: Console

Module: AXMSC

AXMSC0992I Deleting old AXM system services anchor at *address*.

Explanation: This message is issued during AXM system services initialization if AXM system services were previously active but had been terminated (which is not possible in normal production environment). The old system services anchor is retained after AXM termination because it contains the system LX to be used if AXM is restarted. This message gives the address of the old system services anchor for diagnostic purposes.

System Action: AXM system services initialization processing continues.

User Response: None.

Destination: Console

Module: AXMSC

AXM subsystem initialization messages

AXMSI0001I AXM subsystem initialization is in progress.

Explanation: The AXM subsystem initialization program has been started in order to initialize AXM system services.

System Action: AXM system services will be loaded and initialized.

User Response: None.

Destination: Console

Module: AXMSI

AXMSI0002I AXM subsystem initialization has completed.

Explanation: The AXM subsystem initialization program has completed execution.

System Action: The program returns control to MVS.

User Response: None.

Destination: Console

Module: AXMSI

AXMSI0003 AXM subsystem initialization return code *retcode*, reason code *rsncode*.

Explanation: The AXM subsystem initialization routine has not completed normally. This message indicates the final return code and reason code. This is normally the return code from AXM system services initialization.

System Action: The subsystem initialization routine returns control to MVS.

User Response: See the previous AXM message describing the cause of the problem. The reason code will normally be the number of an error message issued by AXMSC.

Destination: Console

Module: AXMSI

AXMSI0004 AXM subsystem initialization can only run in Master Scheduler address space.

Explanation: An attempt has been made to invoke the AXM subsystem initialization program AXMSI in some other way than as an MVS subsystem initialization program running in the Master Scheduler region (ASID 0001).

System Action: The subsystem initialization program is abnormally terminated.

User Response: None.

Destination: Console

Module: AXMSI

AXM system region messages

AXMSR0001I AXM system region initialization is in progress.

Explanation: An AXM system region is being started. This is used to initialize AXM system services in a testing environment for development purposes, and allows AXM system services to be closed down and restarted without an IPL.

System Action: Processing continues.

User Response: None.

Destination: Console

Module: AXMSR

AXMSR0002I AXM system region initialization has completed.

Explanation: AXM system services have been successfully initialized from the AXM system region.

System Action: Processing continues.

User Response: The system region may be closed down again using the MVS STOP command but this should only be done when it is certain that no AXM services are being used within the MVS image.

Destination: Console

Module: AXMSR

AXMSR0003I AXM system region termination is in progress.

Explanation: The operator has requested termination of the AXM system region using the MVS STOP command.

System Action: AXM system services are terminated.

User Response: None.

Destination: Console

Module: AXMSR

AXMSR0004I AXM system region termination has completed.

Explanation: The AXM system region has completed termination.

System Action: Control is returned to MVS and the job step ends.

User Response: None.

Destination: Console

Module: AXMSR

AXMSR0011 AXM system region can only run under MVS/ESA.

Explanation: An attempt was made to execute the AXM system region program AXMSR in a non-MVS environment.

System Action: The system region program terminates.

User Response: None.

Destination: Console

Module: AXMSR

AXMSR0012 AXM system region program AXMSR needs to be APF authorized.

Explanation: An attempt was made to execute the AXM system region program AXMSR without APF authorization.

System Action: The system region program terminates.

User Response: Ensure that the module AXMSR is stored in an APF-authorized library and is link-edited with AC(1).

Destination: Console

Module: AXMSR

AXMSR0013 AXM system region LOAD for *name* failed with completion code *xxx-nn*.

Explanation: The attempt to LOAD the system services module (AXMSC) failed.

System Action: The system region program terminates.

User Response: See the description of the system completion code *xxx* in *MVS/ESA System Codes* for the reason that the LOAD failed.

Destination: Console

Module: AXMSR

AXMSR0021 AXM system region does not support this command: *text*

Explanation: An attempt was made to issue a command to the AXM system region using the MVS MODIFY command. The AXM system region only supports the MVS STOP command, and does not support commands entered via MODIFY.

System Action: The command is ignored.

User Response: If the intention was to close down the system region, use the MVS STOP command instead.

Destination: Console

Module: AXMSR

AXMSR0022I AXM system region STOP command has been accepted.

Explanation: An operator has issued a STOP command to close down the AXM system region.

System Action: AXM system services will be terminated.

User Response: None.

Destination: Console

Module: AXMSR

AXM trace and print file management messages

AXMTR0001 The *ddname* **print file could not be opened.**

Explanation: The AXM trace and print file with the specified ddname (usually AXMPRINT or SYSPRINT) could not be opened during AXM initialization.

System Action: Print file output requests will be ignored.

User Response: Ensure that the appropriate DD statement is present. The default ddname is AXMPRINT, but this may be overridden to SYSPRINT by an AXMTRDEF definition within the server code if the server does not need to reserve the name SYSPRINT for any other purpose.

Destination: Console

Module: AXMTR

AXM address lookup (WHERE) messages

AXMWH0001I Address *address* **is at +***offset* **in** *modtype* **module** *modname***.**

Explanation: This message may be produced after an abend or TRAP message to identify the module containing the error address, if the module is known to MVS. The information about the module and type is obtained using the MVS macros CSVQUERY or NUCLKUP.

System Action: Processing continues.

User Response: None.

Destination: Console and print file

Module: AXMWH

AXMWH0002I Address *address* **is at +***offset* **in procedure** *procname***.**

Explanation: This message may be produced after an abend or TRAP message to identify the procedure containing the error address, if the storage is within a known module and a standard SAVE sequence including a procedure identifier appears at some point before the error address.

System Action: Processing continues.

User Response: None.

Destination: Console

Module: AXMWH

AXM cross-memory interface messages

AXMXM0011 Server *prefix.name* **cannot be enabled because AXM system services are not available.**

Explanation: An attempt has been made to enable a server interface but AXM system services have not been initialized within this MVS image.

System Action: The server enable request is rejected.

User Response: Ensure that AXM system services are started then start the server again.

Destination: Console and SYSPRINT

Module: AXMXM

AXMXM0012 Enable failed for server *prefix.name***, return code** *retcode***, reason** *rsncode***.**

Explanation: The server interface could not be enabled. The specific reason will have been indicated by an earlier AXMSC message.

System Action: The server enable request is rejected.

User Response: None.

Destination: Console and SYSPRINT

Module: AXMXM

AXMXM0021 ABEND *xxx-rr* **occurred at** *address***, data** *word1 word2 word3***.**

Explanation: The ARR routine for an AXM cross-memory program call routine has intercepted an abend in a cross-memory mode AXM task and has passed the associated SDWA to a task in the server address space to issue the appropriate diagnostic messages. The abend code is shown as three hexadecimal digits for a system completion code or four decimal digits for a user completion code. The data consists of the twelve bytes around the PSW address as provided by MVS in the SDWA.

System Action: The ARR will already have completed processing when this message is issued, as the message is written out by the server region. If recovery is allowed, the ARR terminates the affected AXM internal task, in which case the return code from the cross-memory request will consist of the completion code in the usual MVS format but with the high-order bit set to indicate an abend. If recovery is not allowed, the ARR percolates the error, passing the abend to the requesting region.

The diagnostic routine which writes this message will call AXMWH which attempts to identify the module and procedure in which the abend occurred and writes out a further message if successful. It then releases the MVS SDWA. Server execution is not directly affected by an abend in cross-memory mode.

User Response: Look up the completion code to identify the cause of the abend.

Destination: Console and SYSPRINT

Module: AXMXM

AXMXM0022 TRAP occurred at offset *offset* **in** *procname***.**

Explanation: An internal logic error in a server module or invalid parameters on a server request resulted in a TRAP macro being executed at the specified location in cross-memory mode.

The system will normally produce a symptom dump message on the job log, and a full dump of the connected region may be produced if an appropriate DD statement (SYSUDUMP, SYSMDUMP or SYSABEND) is present in the JCL for the connected region.

System Action: The AXM task is abnormally terminated.

User Response: This probably indicates a logic error in server code, or an attempt to use some internal component of the server outside its correct context.

If the procedure name in the message begins with AXM, this probably indicates that the server code which called it has passed inconsistent parameters, such as an invalid address when releasing main storage.

Destination: Console

Module: AXMXM

Chapter 3. Transaction abend codes

When abnormal conditions occur, CICS can send a message to the CSMT transient data destination containing the transaction ID, the program name and the abend code. Here is an example:

DFHAC2236 *date time applid* **Transaction** *tranid* **abend** *primary abcode* **in program** *program name* **term** *termid* **backout successful**
{ batchid = }batchid. message

Alternatively, the application can intercept abends by including an active EXEC CICS HANDLE ABEND command. The actual abend code can be determined by issuing the EXEC CICS ASSIGN command with the ABCODE option.

The transaction identification code *tranid* usually consists of the 4 characters defined to CICS. However, when a transaction is initiated by using a light pen, an operator identification (OPID) card reader, or 3270 PA or PF keys (specified in the TASKREQ= operand), CICS creates an internal transaction identification in the form of a 1-byte 3270 attention identification (AID) code followed by 3 bytes of X'FF'.

The code that may actually appear in the message in place of the internally-created transaction identification will be **xx**, where *xx* is the character translation of the 3270 AID code. To prevent ambiguity, the user should avoid using these codes as transaction identifiers.

The keys, the light pen (LPA), and OPID, and their corresponding printed AID codes are given in the following list:

PF1	*F1*	PF13	*C1*	LPA	*7E*
PF2	*F2*	PF14	*C2*	OPID	*E6*
PF3	*F3*	PF15	*C3*	PA1	*6C*
PF4	*F4*	PF16	*C4*	PA2	*6E*
PF5	*F5*	PF17	*C5*	PA3	*6B*
PF6	*F6*	PF18	*C6*		
PF7	*F7*	PF19	*C7*		
PF8	*F8*	PF20	*C8*		
PF9	*F9*	PF21	*C9*		
PF10	*7A*	PF22	*4A*		
PF11	*7B*	PF23	*4B*		
PF12	*7C*	PF24	*4C*		

An abend code indicates the cause of an error that may have been originated by CICS or by a user program. For most of the abend codes described, a CICS transaction dump is provided at abnormal termination.

All CICS transaction abend codes *abcode* are 4-character alphanumeric codes of the form **A***xxy*, where:

Aack 'M' is the IBM-assigned designation of a CICS transaction abend.

xx is the 2-character code assigned by CICS to identify the module that detected an error.

y is the 1-character alphanumeric code assigned by CICS.

Format of information

For each transaction abend code, the following information is given:

- An explanation of events leading to or following the message.
- The action that has been or will be taken by CICS (system action).
- The action recommended for the user (console or terminal operator).
- The module or modules that can determine that the message should be sent (not necessarily the module or modules that can issue the macro to write the message.)

AACA

Explanation: An invalid error code has been passed to the DFHTFP or DFHACP programs.

System Action: CICS terminates the task abnormally with a dump.

User Response: Notify the system programmer.

Module: DFHTFP,DFHACP

AALM

Explanation: An error (INVALID, DISASTER or unexpected EXCEPTION response) has occurred on a call to the log manager (LM) domain. The domain that detected the original error provides an exception trace, a console message, and possibly a system dump (depending on the options specified in the dump table).

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: See the related message produced by the domain that detected the original error.

Module: DFHAMLM

AALN

Explanation: An error (INVALID, DISASTER or unexpected EXCEPTION response) has occurred on a call to the TD manager. The domain that detected the original error provides a trace entry and possibly a system dump (depending on the options specified in the dump table).

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: Inform the system programmer. Examine the trace and the dump to identify the point of error.

Module: DFHAMTD

AALO

Explanation: An error (INVALID, DISASTER or unexpected EXCEPTION response) has occurred on a call to the CICS/DB2 table manager DFHD2TM. The domain that detected the original error provides a trace entry and possibly a system dump (depending on the options specified in the dump table).

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: Inform the system programmer. Examine the trace and the dump to identify the point of error.

Module: DFHAMD2

AALP

Explanation: An error (INVALID, DISASTER or unexpected EXCEPTION response) has occurred on a call to the Program Manager. The domain that detected the original error provides a trace entry and possibly a system dump (depending on the options specified in the dump table).

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: Inform the system programmer. Examine the trace and the dump to identify the point of error.

Module: DFHAMPG

AALQ

Explanation: An error (INVALID, DISASTER or unexpected EXCEPTION response) has occurred on a call to the Business Application Manager. The domain that detected the original error provides a trace entry and possibly a system dump (depending on the options specified in the dump table).

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: Inform the system programmer. Examine the trace and the dump to identify the point of error.

Module: DFHAMBA

AALR

Explanation: An error (INVALID, DISASTER or unexpected EXCEPTION response) has occurred on a call to the Temporary Storage Manager. The domain that detected the original error provides a trace entry and possibly a system dump (depending on the options specified in the dump table).

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: Inform the system programmer. Examine the trace and the dump to identify the point of error.

Module: DFHAMBA

AALS

Explanation: An error (INVALID, DISASTER or unexpected EXCEPTION response) has occurred on a call to the Global Enqueue Manager. The domain that detected the original error provides a trace entry and possibly a system dump (depending on the options specified in the dump table).

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: Inform the system programmer. Examine the trace and the dump to identify the point of error.

Module: DFHAMBA

AALT

Explanation: An error (INVALID, DISASTER or unexpected EXCEPTION response) has occurred on a call to the Internet Inter-Orb Protocol Manager. The domain that detected the original error provides a trace entry and possibly a system dump (depending on the options specified in the dump table).

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: Inform the system programmer. Examine the trace and the dump to identify the point of error.

Module: DFHAMOP

AALU

Explanation: An error (INVALID, DISASTER or unexpected EXCEPTION response) has occurred on a call to the Sockets Domain Manager. The domain that detected the original error provides a trace entry and possibly a system dump (depending on the options specified in the dump table).

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: Inform the system programmer. Examine the trace and the dump to identify the point of error.

Module: DFHAMSO

AAL1

Explanation: DFHALP was processing a request that deadlocked. The most likely reason for the abend is that an ALLOCATE QUEUE request has been suspended because there are no contention-winning links available.

System Action: CICS terminates the task abnormally. A dump is taken only if the abend is nontime-out related. A dump is not taken for stall purges and deadlock time-outs.

User Response: Ensure that there are enough contention-winning sessions available to satisfy the ALLOCATE QUEUE request.

If you are running with modegroups, ensure that there are contention-winning sessions available to satisfy the ALLOCATE request in that modegroup.

It might be necessary to increase the deadlock timeout (DTIMEOUT) value for the transaction to prevent this abend from recurring.

Module: DFHALP

AAL2

Explanation: Either an incorrect response (other than PURGED) was returned from the suspend of the allocated task, or an incorrect response was returned from the resume.

System Action: The transaction is abnormally terminated with a dump.

User Response: Check the return code from the resume or the suspend to determine the cause of the error.

Module: DFHALP

AAL3

Explanation: The task has been purged before a GETMAIN request to the storage manager (SM) domain was able to complete successfully. The task that first detected the purged condition provides an exception trace.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: Investigate the reason why the task was purged. It was purged either by the master terminal operator or as a result of a deadlock timeout.

Module: DFHALP

AAL4

Explanation: An error (INVALID, DISASTER or unexpected EXCEPTION response) has occurred on a call to the storage manager (SM) domain. The domain that detected the original error provides an exception trace, a console message, and possibly a system dump (depending on the options specified in the dump table).

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: See the related message produced by the domain that detected the original error.

Module: DFHALP

AAL6

Explanation: An error (INVALID, DISASTER or EXCEPTION response) has occurred on a call to SIGNOFF_TERMINAL_USER by DFHALP during sign-off for a surrogate terminal session running CRTE. The domain that detected the original error provides an exception trace, a console message and, possibly, a system dump (depending on the options specified in the dump table).

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: See the related message produced by the domain that detected the original error.

Module: DFHALP

AAL7

Explanation: An error (INVALID, DISASTER or EXCEPTION response) has occurred on a call to schedule a remote terminal delete by DFHALP during sign-off for a surrogate terminal session running CRTE. The domain that detected the original error provides an exception trace, a console message and, possibly, a system dump (depending on the options specified in the dump table).

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: See the related message produced by the domain that detected the original error.

Module: DFHALP

AAMA

Explanation: There is an internal logic error in DFHAMP.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHAMP

AAMC

Explanation: The task was purged before a GETMAIN request to the storage manager domain was able to complete successfully.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: Investigate the reason the task was purged. It was purged either by the master terminal operator or as a result of deadlock timeout.

Module: DFHAMP

AAMD

Explanation: An unexpected return code has been received from DFHDMP. This is due to an internal logic error.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHAMP

AAMF

Explanation: An unexpected return code has been received following a call to the kernel (KE) domain. This might be due to an internal logic error.

System Action: CICS terminates the task abnormally with a dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHAMP

AAMG

Explanation: An unexpected return code has been received following a call to DFHAFMT. This might be due to an internal logic error.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHAMP

AAMH

Explanation: An unexpected return code has been received following a call to DFHFCMT. This might be due to an internal logic error.

System Action: CICS terminates the task abnormally with a dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHAMP

AAMI

Explanation: An unexpected return code has been received following a call to DFHFCRL. This might be due to an internal logic error.

System Action: CICS terminates the task abnormally with a dump. You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

User Response:

Module: DFHAMP

AAMJ

Explanation: While installing a file, using RDO, a call was made to DFHFCFS to enable the file. An irrecoverable error was returned from DFHFCFS.

System Action: The task is abnormally terminated with a CICS transaction dump.

At the time the error is detected, CICS writes a message to the console, records an exception trace entry and takes a system dump.

User Response: Inform the system programmer. Examine the trace and the dump to identify the point of error.

Module: DFHAMP

AAMK

Explanation: While installing a file, using RDO, a call was made to DFHFCDN. An irrecoverable error was returned from DFHFCDN.

System Action: The task is abnormally terminated with a CICS transaction dump. At the time the error is detected, CICS writes a message to the console, records an exception trace entry, and takes a system dump.

User Response: Inform the system programmer, Examine the trace and dump to identify the point of error.

Module: DFHAMP

AAMN

Explanation: There has been an unexpected return code from a call to DFHPRPT. This might be due to an internal logic error.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHAMP

AAMO

Explanation: An invalid return code was returned from DFHTOR, the CICS terminal object resolution program.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHAMP

AAMP

Explanation: An unexpected return code has been received from DFHPUP. This might be due to an internal logic error.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHAMP

AAMQ

Explanation: An attempt has been made to install a partner using RDO. However, the partner resource manager (PRM) is unavailable having failed to initialize during CICS initialization.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: If you need to use the PRM, correct the problem which prevented the PRM from initializing, and restart CICS.

Module: DFHAMP

AAMS

Explanation: There has been an unexpected return code following a GETMAIN request to the storage manager. This is due to an internal logic error.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHAMP

AAMT

Explanation: There is an internal logic error in DFHAMP due to an unexpected return code from DFHTMP.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHAMP

AAMZ

Explanation: An unexpected return code has been received from DFHZCP. This is due to an internal logic error.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHAMP

AAM1

Explanation: DFHXMCL has returned an unexpected response during the install of a transaction class. This can be caused by the task being purged during the install.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

If an error has occurred, at the time the error is detected, CICS issues a DFHXM*nnnn* console message, records an exception trace entry and takes a system dump.

User Response: Determine why the task has failed. If there is a system dump, use it together with the trace entry and the console message to resolve the problem. If there is no system dump, the task has been purged either by the master terminal operator or as a result of deadlock timeout.

Module: DFHAMP

AAM2

Explanation: DFHXMXD has returned an unexpected response during the install of a transaction definition. This can be caused by the task being purged during the install.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

If an error has occurred, at the time the error is detected, CICS issues a DFHXM*nnnn* console message, records an exception trace entry and takes a system dump.

User Response: Determine why the task has failed. If there is a system dump, use it together with the trace entry and the console message to resolve the problem. If there is no system dump, the task has been purged either by the master terminal operator or as a result of deadlock timeout.

Module: DFHAMP

AAOA

Explanation: An application has issued a CPI verb which CICS does not support. The entry point referenced in the application program was resolved in the link edit stub, but the function requested could not be resolved when control passed to CICS.

There are two possible reasons for this:

- You have linkedited your application program with a CPI stub which supports more function than this release of CICS.
- The linkedit stub has been corrupted.

System Action: The transaction is abnormally terminated with a CICS transaction dump. An exception trace entry is also written.

User Response: At the time of the error, general register 0 points to an 8-byte character string which should match the name of the issued CPI call. Use the trace or the dump to verify that this character string is the name of a CPI function which is supported.

If the character string is not an intelligible character string, the stub has probably been corrupted.

Module: DFHCPI

AAOB

Explanation: An application has issued a CPI verb which specifies more than eight parameters.

System Action: The transaction is abnormally terminated with a CICS transaction dump and an exception trace entry is also written.

User Response: Change your application program so that the correct number of parameters is specified on the CPI call.

Module: DFHCPI

AAOC

Explanation: CPI Communications is invoked with an invalid number of parameters for call

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: The exception trace point produced with this abend contains the incorrectly issued CPI Communications verb name. Use this to determine where the application program was in error and amend it accordingly.

The *SAA CPI Communications Reference* manual, SC26-4399, provides a detailed description of all the CPI Communications verbs and how they should be called.

Module: DFHCPARH

AAOD

Explanation: The task was purged before a GETMAIN request to the storage manager (SM) domain was able to complete successfully. The domain that first detected the purged condition provides an exception trace.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: Investigate the reason the task was purged. It

was purged either by the master terminal operator or as a result of deadlock timeout.

Module: DFHCPCBI

AAOE

Explanation: The task was purged before a GETMAIN request to the storage manager (SM) domain was able to complete successfully. The domain that first detected the purged condition provides an exception trace.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: Investigate the reason the task was purged. It was purged either by the master terminal operator or as a result of deadlock timeout.

Module: DFHCPCBA

AAOF

Explanation: The task was purged before a GETMAIN request to the storage manager (SM) domain was able to complete successfully. The domain that first detected the purged condition provides an exception trace.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: Investigate the reason the task was purged. It was purged either by the master terminal operator or as a result of deadlock timeout.

Module: DFHCPCBS

AAOG

Explanation: During the processing of CMACCP (accept conversation), CPI Communications detected that the application was attached with an unsupported sync level.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: This condition is caused by a back-end CPI Communications transaction being attached with a sync level that is not CM_NONE (0) or CM_CONFIRM (1).

Change the front-end transaction, (that is, the initiator of the conversation in the other system) so that it defines the sync level correctly.

Module: DFHCPCBA

AAOH

Explanation: Journaling of data sent on a CPI communications mapped conversation has failed. This condition is caused by a nonzero response from the CICS log manager.

Problem Determination: Register 12 addresses the current TCA and field TCAJCAAD and register 4 address the JCA. The log manager request is contained in JCATR2 and the response code is in JCAJCRC.

Possible request codes are:

```
X'8001' - WRITE
X'8003' - PUT
```

Possible response codes are:

```
X'01' - IDERROR - Journal identification error
X'02' - INVREQ  - Invalid request
X'03' - STATERR - Status error
X'05' - NOTOPEN - Journal not open
X'06' - LERROR  - Journal record length error
X'07' - IOERROR - I/O error.
```

The address of the TIOA is contained in register 8 and its data length is in TIOATDL.

Analysis:

Register	Label	Description
R4=@JCA	TCZARQPJ	JCAJCRC is nonzero.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: Use the dump to ascertain why the journal or log record could not be written correctly. If a journal record length error is indicated, TIOATDL may have been corrupted.

Module: DFHCPCOJ

AAOI

Explanation: The journaling of data received on a CPI Communications mapped conversation has failed.

Problem Determination: Register 12 addresses the current TCA and field TCAJCAAD and register 4 address the JCA. The CICS log manager request is contained in JCATR2 and the response code is in JCAJCRC.

Possible request codes are:

X'8001' WRITE
X'8003' PUT

Possible response codes are:

X'01' IDERROR Journal identification error
X'02' INVREQ Invalid request
X'03' STATERR Status error
X'05' NOTOPEN Journal not open
X'06' LERROR Journal record length error
X'07' IOERROR I/O error.

The address of the TIOA is contained in register 8 and its data length is in TIOATDL.

Analysis:

Register	Label	Description
R4=@JCA	TCZARQPJ	JCAJCRC is nonzero.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: This condition is caused by an invalid response from the log manager. Use the dump to ascertain why the journal or log record could not be written correctly. If a journal record length error is indicated, TIOATDL may have been corrupted.

Modules: DFHCPCRI, DFHCPCRW

AAOJ

Explanation: CPI Communications has detected an unexpected response from one of its internal routines.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: This is a CICS internal logic error.

A level 2 trace for 'CP' of the transaction shows the course of events prior to this error. For example, the modules called and their parameters. The level 2 trace also provides details of the error itself.

You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHCPIC

AAOK

Explanation: CPI Communications has detected an unexpected call to one of its internal routines.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: This is a CICS internal logic error.

A level 2 trace for 'CP' of the transaction shows the course of events prior to this error, for example, the modules called and their parameters. The level 2 trace also provides details of the error itself.

You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHCPIC

AAOL

Explanation: CPI Communications has made an invalid call to DFHLUC.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: This is a CICS internal logic error.

A level 2 trace for 'CP' of the transaction shows the course of events prior to this error, for example, the modules called and their parameters. The level 2 trace also provides details of the error itself.

You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHCPCLR

AAOM

Explanation: The CPI Communications and the DFHZUSR state machines are out of synchronization.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: This is a CICS internal logic error.

A level 2 trace for 'CP' of the transaction shows the course of events prior to this error. For example, the modules called and their parameters. The level 2 trace also provides details of the error itself.

You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Modules: DFHCPCLR, DFHCPSRH

AAON

Explanation: CPI Communications has detected an unexpected response from DFHLUC.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: This is a CICS internal logic error.

A level 2 trace for 'CP' of the transaction shows the course of events prior to this error. For example, the modules called and their parameters. The level 2 trace also provides details of the error itself.

You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Modules: DFHCPCLR, DFHCPCLC

AAOO

Explanation: CPI Communications has been invoked with an invalid first parameter. The first parameter should be the code of the function to be performed. This is a CICS internal logic error.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: A level 2 trace for 'CP' of the transaction shows the course of events before this error occurred (such as the modules called and their parameters) plus details of the error itself.

You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHCPARH

AAOP

Explanation: The CPI Communications state machine has been requested to perform a state transition request that is considered to be an 'impossible' situation. (The *SAA CPI Communications Reference* manual, (SC26-4399) documents all these situations.)

There are two possible causes of this error:

- The CPC (conversation control block) has been overwritten in such a way that the conversation state has been altered, or
- There is an error in the CPI Communications state machine.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: A level 2 trace for 'CP' of the transaction shows the course of events prior to this error, for example, the modules called and their parameters. The level 2 trace also provides details of the error itself.

The transaction dump shows the CPC. You may need further assistance from IBM to fully resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHCPCFS

AAOQ

Explanation: The return code generated by CPI Communications does not have an entry in the state table against the current CPI Communications verb. This error is detected by the CPI Communications state machine.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: This is a CICS internal logic error.

A level 2 trace for 'CP' of the transaction shows the course of events prior to this error, for example, the modules called and their parameters. The level 2 trace also provides details of the error itself.

You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHCPCFS

AAOR

Explanation: CPI Communications has detected an invalid value in the CPC (conversation control block).

There are 2 possible causes of this error:

- The CPC (conversation control block) has been overwritten, or
- There is an error in CPI Communications which causes it to reject valid values.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: A level 2 trace for 'CP' of the transaction shows the course of events prior to this error, for example, the modules called and their parameters. The level 2 trace also provides details of the error itself.

Module: DFHCPIC

AAOS

Explanation: CPI Communications has detected that the conversation state is RESET for a situation where this should not occur. That is, the conversation control block (CPC) is about to be deleted.

There are two possible causes of this error:

- The CPC has been overwritten, or
- There is an error in CPI communications.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: A level 2 trace for 'CP' of the transaction shows the course of events prior to this error, for example, the modules called and their parameters. The level 2 trace also provides details of the error itself. You may need further assistance from IBM to fully resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHCPIC

AAOT

Explanation: While chaining through the CPCs (conversation control blocks) for a given conversation, CPI Communications detected that the chain was broken.

There are two possible causes of this error.

1. The CPC chain has been overwritten, or
2. There is an error in the CPI Communications chaining mechanism.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: Determine which of the above caused the error.

A level 2 trace for 'CP' of the transaction shows the course of events prior to this error, for example, the modules called and their parameters. The level 2 trace also provides details of the error itself.

You may need further assistance from IBM to fully resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHCPCBI

AAOU

Explanation: CPI Communications has detected an error in the TP_name or partner_LU_name while processing an initialize conversation request. The TP_name or partner_LU_name is obtained by lookup of the sym_dest_name in the partner resource table (PRT).

There are two possible causes of this error.

1. The entry in the PRT contains invalid data, or
2. There is an error in the mechanism that returns the data from the PRT and interprets it.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: A level 2 trace for 'CP' of the transaction shows the course of events prior to this error, for example, the modules called and their parameters. The level 2 trace also provides details of the error itself.

You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHCPCBI

AAOV

Explanation: CPI Communications has detected that its internal state table is corrupted.

This error is detected by the CPI Communications state machine.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: This is a CICS internal logic error.

A level 2 trace for 'CP' of the transaction shows the course of events prior to this error, for example, the modules called and their parameters. The level 2 trace also provides details of the error itself.

You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHCPCFS

AAOW

Explanation: CPI Communications has detected an internal logic error in DFHCPCLC.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: This is a CICS internal logic error.

A level 2 trace for 'CP' of the transaction shows the course of events prior to this error, for example, the modules called and their parameters. The level 2 trace also provides details of the error itself.

You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHCPCLC

AAOX

Explanation: CPI Communications has detected a bad syncpoint return code which has been set on a synclevel 0 or 1 conversation. The bad return code is only expected on a synclevel 2 conversation.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: This is a CICS internal logic error.

A level 2 trace for 'CP' of the transaction shows the course of events prior to this error, for example, the modules called and their parameters. The level 2 trace also provides details of the error itself.

You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHCPIC

AAOY

Explanation: CPI Communications detected an invalid LL field in the GDS records from which it was receiving on a mapped conversation.

Although it is possible that the remote system is sending invalid records, it is more likely to be an error in the receive logic because DFHZARRC (a lower level receive module) also checks the LLs before passing them to CPI Communications.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: Use CICS traces and, possibly a VTAM trace, to determine the data that was sent between both systems.

A level 2 CICS trace for 'CP' of the transaction documents the course of events prior to this error (such as the modules called and their parameters). The level 2 trace also provides details of the error itself.

You may need further assistance from IBM to fully resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHCPCRB

AAOZ

Explanation: CPI Communications has detected an invalid ID field in the GDS records it was receiving on a mapped conversation. The exception trace point that accompanies this abend gives the ID field in data 3. The valid IDs are '12FF'X for application data and '12F1'X for null data.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: Use CICS traces and, possibly, a VTAM trace to determine the data that was sent between both systems.

A level 2 CICS trace for 'CP' of the transaction documents the course of events prior to this error (such as the modules called and their parameters). The level 2 trace also provides details of the error itself.

You may need further assistance from IBM to fully resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHCPCRB

AAO2

Explanation: CPI Communications has detected an unexpected response from DFHLUC.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: This is a CICS internal logic error.

A level 2 CICS trace for 'CP' of the transaction documents the course of events prior to this error (such as the modules called and their parameters). The level 2 trace also provides details of the error itself.

You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHCPCBA

AAO3

Explanation: The CPI interface detected that a call was made to a CPI Communications function without CPI Communications being initialized. This implies that CPI Communications initialization failed while CICS was initializing.

System Action: The transaction is abnormally terminated with a CICS transaction dump. An exception trace entry is also written when this event occurs.

User Response: Check the console listing to determine the reason why CPI Communications failed to initialize during CICS initialization. Correct the problem and restart CICS.

If the console listing indicates that CPI Communications initialized successfully, you need further assistance to resolve the problem. Collect the console listing, the traces and the transaction dump. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHCPI

AAO4

Explanation: DFHZARL, or a module called by DFHZARL, has detected a logic error. This error is almost certainly caused by the module receiving invalid data or indicators from VTAM.

System Action: Before returning to the CPI Communications layer, DFHZARL calls DFHZNAC to clean up the session and put out messages on the CSNE log. CPI Communications abnormally terminates the transaction with a CICS transaction dump, and produces an exception trace entry.

User Response: Check the CSNE log to determine the type of error. You may need further assistance from IBM to fully resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHCPCLR

AAO5

Explanation: The task was purged before a GETMAIN request to the storage manager (SM) domain was able to complete successfully. The domain that first detected the purged condition provides an exception trace.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: Investigate the reason why the task was purged. It was purged either by the master terminal operator or as a result of deadlock timeout.

Modules: DFHCPCBA, DFHCPCBI, DFHCPCBS

AAO7

Explanation: The CPI Communications syncpoint request handler has been passed an invalid DFHLUC parameter list. This is a CICS internal logic error.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: A level 2 trace for 'CP' of the transaction shows the course of events before this error occurred (such as the modules called and their parameters) plus details of the error itself. You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHCPSRH

AAO8

Explanation: The CPI Communications syncpoint request handler has been passed an invalid conversation control block (CPC). This is a CICS internal logic error.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: A level 2 trace for 'CP' of the transaction shows the course of events before this error occurred (such as the modules called and their parameters) plus details of the error itself. You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHCPSRH

AAO9

Explanation: A task has been purged either as a result of a purge from the master terminal operator via the CEMT transaction, or by the task being timed out after waiting for longer than the DTIMOUT (deadlock timeout) value specified for the transaction.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: Investigate why the task was purged.

If the task was purged by the master terminal operator, this may have been in an attempt to clear the system which appeared to be deadlocked for some reason.

If the task was timed out automatically as a result of the DTIMOUT value being exceeded, this may be due to insufficient main storage being available for the number of tasks in the system. If the amount of main storage cannot be increased, the number of tasks in the system should be reduced to avoid short-on-storage situations. Another possibility would be to increase the value of the DTIMOUT option for the transaction.

Module: DFHCPCLR

ABAC

Explanation: An activity issued EXEC CICS RETURN (without the ENDACTIVITY option) but no events were processed during the activation. The activity was executed with a RUN command.

System Action: The task is abnormally terminated with a CICS transaction dump. The EXEC CICS HANDLE ABEND command cannot handle this abend.

User Response: Investigate why the activity did not process any events.

Module: DFHBASP

ABAD

Explanation: An activity issued EXEC CICS RETURN ENDACTIVITY while there were activity completion events pending. The activity was executed with a RUN command.

System Action: The task is abnormally terminated with a CICS transaction dump. The EXEC CICS HANDLE ABEND command cannot handle this abend.

User Response: Investigate why the activity had pending activity completion events.

Module: DFHBASP

ABAE

Explanation: An activity issued EXEC CICS RETURN (without the ENDACTIVITY option) but no events were processed during the activation. The activity was executed with a LINK command.

System Action: The task which issued the LINK is abnormally terminated with a CICS transaction dump. The EXEC CICS HANDLE ABEND command cannot handle this abend.

User Response: Investigate why the activity did not process any events.

Module: DFHEIBAM

ABAF

Explanation: An activity issued EXEC CICS RETURN ENDACTIVITY while there were activity completion events pending. The activity was executed with a LINK command.

System Action: The task which issued the LINK is abnormally terminated with a CICS transaction dump. The EXEC CICS HANDLE ABEND command cannot handle this abend.

User Response: Investigate why the activity had pending activity completion events.

Module: DFHEIBAM

ABLA

Explanation: The task was purged before a GETMAIN request to the storage manager (SM) domain was able to complete successfully. The domain that first detected the purged condition provides an exception trace.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: Investigate why the task was purged. It was purged either by the master terminal operator or as a result of deadlock timeout.

If the task was purged by the master terminal operator, this may have been in an attempt to clear the system which appeared to be deadlocked for some reason.

If the task was timed out automatically as a result of the DTIMOUT value being exceeded, this may be due to insufficient main storage being available for the number of tasks in the system. If the amount of main storage cannot be increased, the number of tasks in the system should be reduced to avoid short-on-storage situations. Another possibility would be to increase the value of the DTIMOUT option for the transaction.

Modules: DFHMCP, DFHMCPE, DFHM32, DFHPBP, DFHRLR

ABLB

Explanation: An error (INVALID, DISASTER, or unexpected EXCEPTION response) has occurred on a call to the storage manager (SM) domain. The domain that detected the original error provides an exception trace, a console message and, possibly, a system dump (depending on the options in the dump table).

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: Please see the related message produced by the domain that originally detected the error.

Modules: DFHMCP, DFHMCPE, DFHM32, DFHPBP, DFHRLR

ABMA

Explanation: The user has supplied a terminal I/O area (TIOA) with an invalid data length that was either equal to zero or greater than the storage accounting length minus 12.

Alternatively, the length field of a header or trailer area provided by the application program is invalid (that is, not positive).

Problem Determination: The output services work area (OSPWA) is in user storage and will be printed in a transaction dump. It is addressed by register 2 at the time of the abend. Relevant fields are:

- OSPTR7
- OSPHDRA
- OSPTRLA

Register 4 or OSPTIOA points to the TIOA. In the TIOA, the following fields are relevant:

TIOATDL TIOASAL

Analysis:

Register	Label	Description
R4=@TIOA	PBCKTDL	TIOATDL is zero or greater than TIOASAL-12.
R2=@OSPWA R0=length of trailer R8=@trailer	PBD20080	R0 (= first halfword of trailer) is zero. R8=OSPTRLA. OSPTR7 has X'20' bit set.
R2=@OSPWA R8=@header R0=length of header.	PBDTXHDR	R0 (= first halfword of header) is zero. R8=OSPHDRA. OSPTR7 has X'40' bit set.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: Correct the program that supplied the erroneous data length.

Check the TIOA. If either of the conditions described is present, check the application program. For programs using command-level interface, the TIOA is obtained by CICS using the length of the data item passed in the FROM option on an EXEC CICS SEND MAP or EXEC CICS SEND TEXT command, or in the TRAILER or HEADER option on an EXEC CICS SEND TEXT or an EXEC CICS SEND PAGE command. Check the data item for zero length.

Header and trailer records have a special format described in the *CICS Application Programming Reference*. An ABMA abend occurs if the first halfword (the length) is not positive. Check the remainder of the header/trailer record for validity when the length is checked.

Modules: DFHPBP, DFHMCP

ABMB

Explanation: The user has specified a cursor position in the BMS output request. It is larger than the current screen size for the 3270 for which output is being built.

Problem Determination: If the abend occurs in DFHPBP:

At the time of the abend, register 2 points to the OSPWA and register 1 to the TTP. Relevant fields are:

- OSPTR3 has X'10' bit set to indicate a user-specified cursor position
- OSPCP contains a halfword cursor position specified by user
- TTPSCSZ contains the halfword value of the screen size to compare against.

If the abend occurs in DFHMCP or DFHMCX:

- Register 6 points to the OSPWA (in LIFO storage)
- OSPCP contains a halfword cursor position specified by user
- OSPTR3 has X'10' bit set to indicate a user-specified cursor position
- OSPSCSZ contains the halfword value of the screen size to compare against.

Analysis:

Register	Label	Description
In DFHPBP:		
R2=@OSPWA	PBDBADC	OSPTR3 X'10' bit set indicates the user-
R1=@TTP		specified cursor position.
		TTPSCSZ halfword screen size.
		OSPCP halfword cursor position.
In DFHKCP or DFHMCX:		
R6=@OSPWA	MCENEAU2	OSPTR3 X'10' bit set indicates the user-
		specified cursor position.
		OSPSCSZ halfword screen size.
		OSPCP halfword cursor position.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: Correct the program that specified the incorrect cursor location.

Use trace to identify the statement issuing the request. Check that the cursor position is being correctly set. The program may have been designed to run in alternate screen size mode but is being run in default screen size mode, or it may have been designed to run on a 3270 model different from the one in use. If the program is routing a message, the route list should be checked. If the program is to run with various 3270 models, the cursor position should be within the size of the smallest screen.

Modules: DFHPBP, DFHMCP (for minimum-function BMS), DFHMCX

ABMC

Explanation: The CMSG transaction is attempting to send a message to a greater number of terminals than is possible. There is no fixed maximum because the value depends on the other operands specified on the routing command.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: Redefine the route list.

Module: DFHMCP

ABMD

Explanation: DFHTPR or DFHTPP has issued a DFHDI TYPE=SEND and has received a return code other than “FUNCERR-REQUEST FOR CHANGE DIRECTION SIGNALED” or “NORESP”

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: Inform your system programmer.

Modules: DFHTPP, DFHTPR

ABME

Explanation: DFHTPR or DFHTPP has detected an invalid datastream while processing a basic mapping support (BMS) request.

System Action: The transaction is abnormally terminated with a CICS transaction dump in which register 7 indicates the location at which the abend was detected.

User Response: Examine the transaction dump for bad data in the TIOA. If the origin of the bad data is an application program, correct the program.

Modules: DFHTPP, DFHTPR

ABMF

Explanation: The value specified for the length option of the basic mapping support (BMS) send map is greater than the length of the ‘from’ area.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: Redefine the value for the length option.

Module: DFHPBP

ABMG

Explanation: The user has requested a basic mapping support (BMS) service that was not specified at system generation, or at initialization.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: Correlate services requested against options specified in the system generation of BMS.

Follow this procedure:

1. Scan the trace table for the transaction ID that issued the abend. If this is CSPQ (page cleanup), module DFHTPQ abnormally terminated because a message purge delay of zero has been specified and CSPQ has been entered via a terminal. The message purge delay is specified in the PRGDLAY of the DFHSIT macro, and its value can be found in SITPRGD.
2. Scan the trace table for the last BMS request (code ‘FA’). Use the option bytes at the start of the failing module to see if the requested functions have been generated. For example, paging may have been requested, but standard or minimum BMS was specified in the SIT.
3. If the BMS request is compatible with the BMS options in the CICS system generation, some incompatible suffixing amongst BMS modules must have occurred. This can happen if the DFHSIT macro specified individual suffixes for the BMS modules.

The following modules differ between standard and full-function BMS:

DFHMCP DFHRLR DFHPBP DFHTPP

Modules: DFHMCP, DFHTPQ

ABMI

Explanation: The map specified for a BMS input mapping request was not an input map.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: Either define another input map or redefine the existing map.

Modules: DFHMCP, DFHMCX, DFHMCY

ABML

Explanation: The terminal control locate routine received invalid data from DFHRLR and returns with an error return code. DFHRLR is attempting to scan the TCT for a BMS ROUTE request with LIST=ALL or operator class or operator ID specified in the route list. The terminal control table may have been corrupted.

Problem Determination: Register 11 points to the current TCTTE in the search.

The TCT prefix (DFHTCTFX) can be located from CSATCTBA.

The first terminal entry (TCTTE) in the TCT is addressed by TCTVTEBA.

TCTTETEL is the halfword offset from current TCTTE to the next.

Analysis: The current TCTTE address is either not on a full-word boundary or is not within the limits of the TCT, or the address of the next TCTTE, obtained by adding TCTTETEL to the current address, is invalid. This check is made by locate code (DFHZLOC) in DFHZCX.

```
Register    Label    Description
R11=@TCTTE  RLRLOCN  Issue DFHTC CTYPE=LOCATE
```

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

The terminal control table has probably been corrupted during execution. Attempt to scan through the TCT in a dump. (Because the system dump uses the same technique for printing all TCTTEs, the system dump fails at the same point.)

Determine which entry is incorrect. It may be that the TCTTE has been overwritten by user data that is recognizable in the dump.

Check the application program for references to the TCTTE pointer. Check for user data that may be addressed from the same pointer.

In an assembler program, there may be multiple equates for the TCTTE base register.

It may be that the TCT is being overwritten by some earlier transaction. If this is so, it is probably one associated with the terminal whose TCTTE is overwritten.

Modules: DFHRLR for full-function BMS

ABMM

Explanation: An invalid map was specified.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: Use the supplied dump to diagnose the problem. Register 6 contains the address of the BMS instruction being executed when the error was recognized.

Module: DFHPBP

ABMO

Explanation: The map specified for a BMS output mapping request was not an output map.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: Either define another output map or redefine the existing map.

Modules: DFHMCP, DFHMCX, DFHMCY

ABMQ

Explanation: The query transaction (CQRY) has been initiated and either the task is not terminal-oriented, or the associated terminal is not defined to CICS as a 3270 or SCSPRINT device. This abend will occur if CQRY is entered at a console, even when the console is a 3270 device, since the console has the appearance to CICS of a keyboard/printer device. The CQRY transaction does not have an operator interface, and under normal conditions there is no need for an operator to invoke CQRY or for a user transaction to START the CQRY transaction. CQRY is run automatically by CICS when a 3270 or SCSPRINT device connects. In the transaction dump, register 8 contains the address of the TCTTE for the associated terminal. If register 8 contains zero, this indicates that the task is not terminal-oriented.

System Action: The task is abnormally terminated with a CICS dump.

User Response: Ensure that the terminal associated with CQRY is of the 3270 or SCSPRINT family of devices.

Module: DFHQRY

ABMR

Explanation: The Page Retrieval transaction (CSPG) has been initiated but the task is not terminal-oriented.

System Action: The task is abnormally terminated with a CICS dump.

User Response: Ensure that a terminal is associated with the CSPG transaction.

Module: DFHTPR

ABMU

Explanation: The application program supplied an address that is not within region boundaries. The low-order 3 bytes of general register 1 in the transaction dump contain the erroneous address. The high-order byte of register 1 indicates the address type as follows:

```
X'01'  Title address (TCAMSTA)
X'02'  Alternate I/O area address (TCAMSIOA)
X'03'  Map address (TCABMSMA)
X'04'  Header address (TCAMSHDR)
X'05'  Route list address (TCAMSRLA)
X'06'  Trailer address (TCAMSTRL)
X'07'  Map set address (TCAMSMSA)
X'08'  TIOA address (TCTTEDA)
```

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: Correct the application program that is supplying the erroneous address.

Modules: DFHMCP, DFHEMS

ABMV

Explanation: DFHRLR has detected an invalid route list entry.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: Check that the route list is correctly built with reserved field in the entry containing blank and a stopper of halfword X'FFFF' to terminate the list.

Module: DFHRLR

ABMX

Explanation: A text string passed to BMS contained a set attribute order that was invalid for one of the following reasons:

1. The set attribute sequence was less than three characters.
2. The attribute type was invalid.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: Correct the application program.

Module: DFHPBP

ABMZ

Explanation: The address of the terminal I/O area (TIOA) in TCTTEDA was found to be zero.

When using BMS fast path as a result of an EXEC CICS RECEIVE MAP, DFHEMS always initializes TCTTEDA with the address of the TIOA. If TCTTEDA is subsequently found to be zero by DFHMCX, an overwrite must have occurred.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: Investigate why TCTTEDA is zero.

Scan the trace table for the last BMS request (code FA) for the failing task and try to determine which user programs have been given control since that BMS request.

Modules: DFHMCP, DFHMCX, DFHMCY

ABM0

Explanation: The map specified for a basic mapping support (BMS) request could not be located.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: Check if the map has been defined. If it has, check that it has been specified correctly.

Modules: DFHMCP, DFHMCX, DFHMCY

ABM1

Explanation: A basic mapping support (BMS) service is requested by a task associated with a terminal that is not supported by BMS. The request is not a routing request.

Problem Determination: At the time of the abend, register 11 addresses the TCTTE, and TCTTETEA and register 6 address the TCTTE extension, TCTETTE.

Relevant fields are:

```
TCTTEDDS  the device dependent suffix.
TCTTEMSS  the map set suffix.
```

Analysis: DFHRLR tests the device dependent suffix and the map set suffix in the TCTTE extension. If both of these are zero, the terminal is not supported by BMS and DFHRLR abends the task with the abend code ABM1.

Register	Label	Description
R4=	RLRSFXCK	TCTEDDS=X'00' and TCTEMSS=X'00'.
@TCTTETE		The device dependent suffix and the map set suffix have loaded into the lower two bytes of register 3 by the subroutine RLRSUFXS.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: Do not use terminals not supported by BMS for applications using BMS services.

Check the terminal type and model number. Confirm that it is a terminal that is not supported by BMS. A list of terminals supported by BMS is given in the *CICS Application Programming Guide*. Check that the TCT macro for the terminal accurately describes the physical terminal.

Module: DFHRLR

ABM2

Explanation: No user data was supplied for this BMS request. That is, the address of a user data area was not found in either TCTTEDA or TCAMSIOA.

When a BMS macro level output request is issued, the user must have placed the address of the data to be passed to BMS in TCTTEDA or TCAMSIOA before issuing the macro. The choice is made on the following criteria:

- If the data is to be passed in a TIOA by a terminal-oriented task, the address of this TIOA may be placed either at TCTTEDA, or in TCAMSIOA together with the setting of binary zeros into TCTTEDA.
- If the data is being passed by a terminal-oriented task but not in a TIOA, the address of the TIOA-like area of this data must be placed in TCAMSIOA and binary zeros set into TCTTEDA.
- If the data is being passed by a non-terminal-oriented task, the address of the TIOA-like area of this data must be placed in TCAMSIOA. TCTTEDA cannot be referenced, because there is no TCTTE associated with this task.

If a task attempts to pass addresses from both TCTTEDA and TCAMSIOA, the address in TCTTEDA is the one selected.

Problem Determination: The output services work area (OSPWA) is addressed by register 9. The TCTTE is addressed by register 11. The TCA is addressed by register 12.

The relevant fields are:

Field	Description
OSPIND01	OSPWA indicator byte 1
OSPIOA	Alternate I/O area address
OSPSIOA	Address of address of data (TCTTEDA/TCAMSIOA)
OSPTIOA	Address of user data found by BMS
OSPTR1-8	BMS request data saved from the TCA
TCTTEDA	Terminal data area address
TCAFCI	Facility control indicator
TCAMSIOA	Alternate I/O area address

Analysis: The ABM2 abend is invoked at one point in DFHMCP, at label MCPABEND. There are five regions in DFHMCP in which the user's data is sought:

	Labels
TYPE=MAP	MCPMAP
TYPE=PAGEBLD,DATA=YES/ONLY	MCPPGBLD MCPGTIOA
TYPE=TEXTBLD,DATA=YES/ONLY	MCPPGBLD MCPGTIOA
Mapping but not PAGEBLD,DATA=YES/ONLY	MCPMAPNG
No (mapping,PAGEBLD,TEXTBLD,PAGEOUT)	MCPDFALT

"Mapping" refers to BMS requests that specify maps, that is OSPTR3 bits 5 or 6 or 7 or OSPTR4 bit 3 set on.

Each of these functional regions does a BAL to subroutine MCPFTIOA to search for a user data area. If a valid area (abend ABMU if not) is found, its address is put into OSPTIOA and the address of the data address (of TCAMSIOA or TCTTEDA) is set into OSPSIOA. If a data area is not found, OSPTIOA is cleared and OSPSIOA is now loaded with the address of OSPTIOA as a null data area.

On the BAL return, OSPTIOA is tested for a nonzero value. If it is zero, a branch to MCPABEND is taken.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: The programmer must place the address of the data into TCTTEDA or TCAMSIOA, whichever is appropriate.

Firstly, check that the user has loaded TCTTEDA or TCAMSIOA with the address of the user data, by checking the application listing and the contents of TCTTEDA and/or TCAMSIOA.

Next, check that the BMS request has been correctly decoded by CICS by referring to the OSPWA request bytes (OSPTR1-8) or decoding the last BMS entry in the trace table. See OSPIND01 to check correct decoding of PAGEBLD or TEXTBLD, and TCAFCI bit 7 to identify whether the task is terminal-oriented or not.

At the abend point, register 1 contains the user data address last loaded, and register 4 the address of OSPTIOA as an address of null data.

If a CICS error is suspected, concentrate initially on subroutine MCPFTIOA, because this is a simple piece of code that shows the data-fetch logic. ABM2 condition is trapped early in the CICS decoding of the DFHBMS request and involves module DFHMCP only.

Case/Register	Label	Description
R9=@OSPWA	MCPMAP	OSPTR4 has OSPTRM (X'04') bit set for TYPE=MAP.
R9=@OSPWA	MCPPGBLD	OSPTR5 has OSPTRB (X'80') bit set and BMS sets bit OSPLMPB (X'08') in OSPIND01 for TYPE=PAGEBLD. OSPTR4 has X'40', X'80', or X'C0' set for DATA=NO, ONLY, or YES respectively, so should be X'80' or X'C0'.
R9=@OSPWA	MCPTXBLD	OSPTR7 has OSPTRX (X'80') bit set and BMS sets bit OSPLMTB (X'04') in OSPIND01 for TYPE=PAGEBLD. OSPTR4 has X'40', X'80', or X'C0' set for DATA=NO, ONLY, or YES respectively, so should be X'80' or X'C0'.
R9=@OSPWA	MCPMAPNG	OSPTR3 has OSPTSN (X'01'), OSPTSA (X'02'), or OSPTMN (X'04') bits set, or OSPTR4 has OSPTMA (X'10') bit set for mapping. OSPTR4 has X'04' or X'80' or X'C0' set for DATA=NO, ONLY, or YES respectively, so should be X'80' or X'C0'.
All R12=@TCA	MCPFTIOA	TCAFCI has TCAFCTRM (X'01') bit set if the task is terminal-oriented.
All R11=@TCTTE	MCPFTIOA	TCTTEDA could point to a use TIOA but does not, thus causing the abend.
All R12=@TCA	MCPFTIOA	TCAMSIOA could point to a user data area (TIOA or otherwise), but does thus causing the abend.
All R9=@OSPWA	MCPNTOTM	OSPTIOA contains the address of the user area found, so is zero. OSPSIOA points to OSPIOA (which is copied from TCAMSIOA) as being the second-dry data area sought by BMS for data . OSPIA (TCAMSIOA) was also zero so causing the abend.

Module: DFHMCP

ABM3

Explanation: A BMS input or output request has been issued from a task that is not terminal-oriented.

System Action: The task is abnormally terminated with a CICS dump.

User Response: The task issuing a BMS input or output request must be attached to a terminal.

Module: DFHMCP

ABM4

Explanation: An invalid request response has been received to a temporary storage PUT or PUTQ request issued by BMS. The data passed to the temporary storage program has an invalid length.

Problem Determination: Abend in DFHMCP (see Analysis)

The OSPWA (output services work area) is in user storage and is printed in a transaction dump. It is addressed by register 9 at the time of the abend. Relevant fields are:

```
OSPTITLE
OSPTTCNT
OSPPLTI
OSPTOTPG
```

The message control record (MCR) is an area of user storage obtained by BMS. It is addressed by register 8 at the time of the abend. The first 8 bytes contain storage accounting information. MCRLLBB contains the length of the MCR (halfword) abend in DFHTPP.

The page buffer is addressed by register 7 at the time of the abend. It contains storage accounting fields in the first 8 bytes and a halfword length at offset 8 (TSIOAVRL).

In both cases, the temporary storage use map (DFHTSMAP) is addressed from CSATSATA. TSMAPCOM contains the number of available bytes in a control interval on the temporary storage data set.

Analysis: If the temporary storage request preceding the abend is a DFHTS PUT, the abend occurred in DFHMCP. If the temporary storage request preceding the abend is a DFHTS PUTQ, the abend occurred in DFHTPP. If the abend occurred in DFHMCP, DFHMCP is attempting to put the message control record to temporary storage. Check the length of the MCR (MCRLLBB). It may be negative.

The length of the MCR is calculated by code following label MCPNODDS and is:

```
28 + 21 * OSPTTCNT + (length of title record)
                   + (space for page/LDC table,
                      if needed)
```

The address of the title record is at OSPTITLE and the length is contained in the first halfword. Space for the page/LDC table is required if OSPPLT1 is nonzero, which should occur only for messages routed to LDC devices (3600, 3650, 3767, 3770, 3790). The number of entries is in OSPTOTPG. 2 bytes are required per entry.

If the abend occurred in DFHTPP, BMS is attempting to add a page to the temporary storage queue, and the page buffer will not fit in the control interval. TSIOAVRL contains the length of the page buffer.

For messages directed to 3270 devices, the page buffer consists of a 3270 data stream with a 4-byte page control area following it (a 3270 data stream may be larger than the number of characters available on the screen, particularly if extended 3270 attributes are used). For messages directed to other devices, the page buffer consists of a message formatted with NL characters, a 4-byte page control area following it. The length in TSIOAVRL should be less than the length in the preceding storage accounting area, otherwise an error has occurred in constructing the page, possibly in prior BMS requests.

In either of the above cases, if the length of the area being output appears valid, it is necessary to increase the control interval size for the temporary storage data set.

Register	Label	Description
DFHMCP		
R8=@MCR	MCPMCRTS	The MCR is too long or has invalid length ($4).
DFHTPP		
R7=@pgbuf	TPNOPGL or TPNODDS	The page buffer is too large.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Determine from the trace table whether the abend occurred in DFHMCP or DFHTPP.

Check the length of the appropriate area.

If the MCR length is invalid, possible reasons are:

- The title record specified in the TITLE option on a BMS ROUTE request has an invalid format, that is, it does not begin with a halfword length field or is more than 64 characters.
- The message is being routed to more terminals than intended. OSPTTCNT is very large, for example, if LIST=ALL is specified on a ROUTE request and there are a large number of terminals in the TCT.

If the page buffer length is too large, this may be because more data than intended is being built into the page. If the page buffer length is greater than the length of the storage area indicated in the preceding storage accounting area, an error has occurred in page or text building, and the page buffer extends beyond the area allocated to it (that is, storage violation).

Modules: DFHMCP, DFHTPP

ABM5

Explanation: A DFHTS TYPE=PURGE request has been issued with an invalid REQID. This incorrect request was issued by basic mapping support (BMS).

DFHTPR cannot find the terminal identifier for the current terminal in the terminal list in the message control record (MCR).

Problem Determination: The TS identifier is built in TCATSDI before the TS purge is issued, although this has probably been overwritten before the dump is taken. The trace table entry for the DFHTS TYPE=PURGE contains the TS identifier in the last 8 bytes.

The OSPWA is addressed by register 9.

OPSTSID temporary storage identifier (8 bytes).

Register 8 points to the MCR.

Register 5 points to the current entry.

Register 0 points to the end of table.

Register 9 points to the TCTTE.

The terminal list starts at MCRIDLST and the terminal identifier is at the start of the terminal entry. Each terminal entry is X'15' bytes long.

Analysis: DFHMCP uses the temporary storage identifier in OSPTSID.

Cannot find the terminal identifier for this terminal in the terminal list in the MCR.

Register	Label	Description
R9=@(OSPWA)	MCPCKPGS	Code builds the temporary storage code in TCATSDI and issues DFHTS TYPE=PURGE macro, specifying IDERROR exit of MCPTSIDE, where the abend is raised.
R8=@(MCR)	TPRCKID	Code scans terminal list for a terminal entry that has the id of the current terminal, and if it cannot be found, links to TPRSNH to raise the abend.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: Check the trace table and find the preceding PUT/PUTQ TS requests. Check whether the identifier for the PUT/PUTQ is the same as that for the PURGE. If it is not, find out how they differ. Check to see if the OSPWA has been corrupted.

This error is very unlikely, as the label indicates (TPRSNH - "Should Not Happen"). DFHTPS has scanned the MCR to identify the terminals to which this message is directed, and has created an AID to initiate CSPG (DFHTPR) at each of them. However, when DFHTPR retrieves the MCR, it cannot find the current terminal identifier in the list of terminals. Presumably the MCR has been corrupted between creation of the AID and dispatching of CSPG at the terminal. Check back through the trace table to find the instance of DFHTPS that built the AID for this terminal (transaction CSPS); it will have issued a TC LOCATE request to verify that the terminal identifier is valid, and this identifier can be seen in the trace entry.

Modules: DFHMCP, DFHTPR

ABM6

Explanation: Transaction CSPS, scheduled internally by BMS, has not been installed.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: Install the transaction CSPS (Group DFHBMS).

Module: DFHMCP

ABM7

Explanation: The trailer specified to be used while building pages of text data is longer than the page.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: Correct the application program that issues the request with too long a trailer.

Module: DFHPBP

ABM8

Explanation: A BMS text request specified a value for the JUSTIFY option which is zero or too large for the page being built.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: Correct the application program that specified too large or zero value for the JUSTIFY option.

Module: DFHPBP

ABM9

Explanation: The text data overflow routines have been reentered while text overflow was in process. This condition occurs when the line requirements for the text header and/or trailer exceed the line capacity of the page for which data is being formatted.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: Reduce the number of lines required for the header and/or trailer or increase the page size of the terminal.

Module: DFHPBP

ABNA

Explanation: No route list was supplied with a route request received from the remote system.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHTPS

ABNB

Explanation: Either the principal facility of the task is not a TCTTE of the correct type, or the task has no principal facility.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: Ensure that DFHTPS has not been specified as the initial program of a transaction other than CSPS. Check that the operator did not enter CSPS from the terminal.

Module: DFHTPS

ABNC

Explanation: An attempt to access a temporary storage queue failed.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: Ensure that temporary storage is correctly generated.

Module: DFHTPS

ABNE

Explanation: An error response was received from an invocation of a BMS TYPE=ROUTE or TYPE=STORE request.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: Check that BMS was correctly generated.

Module: DFHTPS

ABNF

Explanation: The transaction was not in send mode when it sent data to the remote system.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHTPS

ABNG

Explanation: An attach request was received from the remote system without any data indicating the reason for the request.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHTPS

ABNH

Explanation: An attempt to ship data to the remote system failed.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHTPS

ABNI

Explanation: CICS could not find a profile for an LU6.2 transaction routing request.

System Action: CICS terminates the task abnormally.

User Response: Either you have specified an incorrect name in the PROFILE parameter of an EXEC CICS ALLOCATE command, or you have not installed the profile. Correct the error before resubmitting the transaction.

Module: DFHTPS

ABNJ

Explanation: The task was purged before a GETMAIN request to the storage manager (SM) domain was able to complete successfully. The task that first detected the purged condition provides an exception trace.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: Investigate the reason why the task was purged. It was purged either by the master terminal operator or as a result of a deadlock timeout.

Module: DFHTPS

ABNK

Explanation: An error (INVALID, DISASTER or unexpected EXCEPTION response) has occurred on a call to the storage manager (SM) domain. The domain that detected the original error provides an exception trace, a console message and, possibly, a system dump (depending on the options specified in the dump table).

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: See the related message produced by the domain that detected the original error.

Module: DFHTPS

ABRC

Explanation: The bridge exit is not defined and could not be autoinstalled.

System Action: The task is abnormally terminated with a CICS transaction dump. The user transaction will not be started.

User Response: Either define the program using RDO or change the program autoinstall exit to allow it to be autoinstalled.

Modules: DFHBRMS, DFHBRTC

ABRD

Explanation: The bridge exit is disabled.

System Action: The task is abnormally terminated with a CICS transaction dump. The user transaction will not be started.

User Response: Identify why the bridge exit is disabled. Enable the bridge exit and retry the action.

Modules: DFHBRMS, DFHBRTC

ABRE

Explanation: The bridge exit could not be loaded.

System Action: The task is abnormally terminated with a CICS transaction dump. The user transaction will not be started.

User Response: Investigate why it cannot be loaded. It may not have been defined in the DFHRPL library.

Modules: DFHBRMS, DFHBRTC

ABRF

Explanation: The bridge exit is defined as remote.

System Action: The task is abnormally terminated with a CICS transaction dump. The user transaction will not be started.

User Response: Define the bridge exit as a local program.

Modules: DFHBRMS, DFHBRTC

ABRG

Explanation: An invalid bridge facility token was specified

System Action: The task is abnormally terminated with a CICS transaction dump. The user transaction will not be started.

User Response: This error was probably caused by the incorrect data being sent to the bridge exit from the client application.

Check the data set by tracing the data sent from the client application.

Ensure that the bridge facility token in the data transmitted by the application is correct.

Module: DFHBRXM

ABRH

Explanation: The bridge facility token specified is not known to CICS.

System Action: The task is abnormally terminated with a CICS transaction dump. The user transaction will not be started.

User Response: The most likely error is that the client application specified too small a keep time for the bridge facility. Before the client reused the bridge facility token, CICS had already discarded it. Check the bridge facility keep time in the outbound messages. CICS will use the keep time value specified in the last message used by a transaction. Alternatively use the trace or CEDX to look at the keep time in the BRXA passed back on the terminate call to the bridge exit.

Another possible error is that the client application passed a request to a CICS system other than that on which the original request was sent. Bridge facilities are only valid on a single CICS system.

Module: DFHBRXM

ABRI

Explanation: There are no free bridge facility tokens available. This is probably due to excessive keep time values being specified on the bridge exit termination call.

System Action: The task is abnormally terminated with a CICS transaction dump. The user transaction will not be started.

User Response: Review the keep time values used by the client applications. If some client applications are returning excessive values, modify the bridge exit to specify a limit to the values.

Module: DFHBRXM

ABRJ

Explanation: An invalid FACILITYLIKE value was specified.

The FACILITYLIKE value can be specified on the bridge exit initialization call. If the default value (blanks) is returned, the value in the user transaction profile definition is used. If no FACILITYLIKE value is specified in the profile definition, a value of CBRF is used.

The name must be that of an installed VTAM 3270 terminal.

System Action: The task is abnormally terminated with a CICS transaction dump. The user transaction will not be started.

User Response: Define the terminal specified by FACILITYLIKE, change the value on the profile definition, change the value supplied by the client application, or install a terminal definition for CBRF

Module: DFHBRXM

ABRK

Explanation: The USERID check failed following the call to the bridge exit.

System Action: The task is abnormally terminated with a CICS transaction dump. The user transaction will not be started.

User Response: Enter the correct password. If the password is correct or was not supplied, review the RACF definitions.

Module: DFHBRXM

ABRN

Explanation: The bridge exit returned a value in BRXA_RESP that is not valid for the command for which it was invoked.

System Action: The transaction is backed out.

User Response: Change the bridge exit to only return valid response settings.

Modules: DFHBRIC, DFHBRMS, DFHBRSP, DFHBRTC

ABRQ

Explanation: The bridge exit issued an abend.

System Action: The transaction is backed out.

User Response: Identify why the bridge exit abended.

Modules: DFHBRMS, DFHBRTC

ABRR

Explanation: The user transaction's profile could not be found.

System Action: The task is abnormally terminated with a CICS transaction dump. The user transaction is not started.

User Response: Check that the profile name in the user transaction definition is correct, and that this profile has been defined.

Module: DFHBRXM

ABRS

Explanation: CICS was unable to obtain storage to create the bridge facility.

System Action: The task is abnormally terminated with a CICS transaction dump. The user transaction is not started.

User Response: Identify why CICS is running short on storage.

Module: DFHBRXM

ABRY

Explanation: CICS returned an unexpected error running the bridge exit. This is a CICS internal error.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Modules: DFHBRMS, DFHBRTC

ABRZ

Explanation: The bridge exit returned invalid data in the BRXA.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: If a user supplied bridge exit was used, review the format of the data returned by the exit.

If a CICS supplied exit was used, this is a CICS error. You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Modules: DFHBRIC, DFHBRMS, DFHBRSP, DFHBRTC, DFHXMBR

ABR3

Explanation: An unsupported BMS request was received by the bridge exit.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: The bridge only supports minimum function BMS and SEND TEXT. This transaction cannot be used in a bridge environment.

Module: DFHEMS

ABSA

Explanation: A message passed to DFHBSMSG is too long. This is a CICS internal error.

System Action: CICS terminates the task abnormally with a dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHTBS

ABXA

Explanation: A next BRMQ vector in the input message passed to the formatter is the wrong type of a RECEIVE vector. RECEIVE and RECEIVE MAP have separate vectors.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: This may just indicate that the transaction has gone down an error path which should result in a transaction backout. If not, the input message should have a BRMQ vector for this command. Change the client application, recompile and retry.

Module: DFH0CBRF

ABXC

Explanation: An error occurred when a SYNCPOINT request was issued by the bridge exit.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: Check for other CICS messages and exception trace entries to investigate the cause of the SYNCPOINT error.

Module: DFH0CBRE

ABXD

Explanation: An error occurred when a SYNCPOINT ROLLBACK request was issued by the bridge exit.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: Check for other CICS messages and exception trace entries to investigate the cause of the SYNCPOINT ROLLBACK error.

Module: DFH0CBRE

ABXE

Explanation: The bridge exit was expecting data to be passed on the BRDATA parameter of the START command. No data was found.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: Correct the transaction which issued the START. Recompile, reload and retry.

Module: DFH0CBAE,DFH0CBRE

ABXF

Explanation: An error was detected by the bridge exit when it tried to input the next message.

System Action: An exception trace is made of any error information. The task is abnormally terminated with a CICS transaction dump.

User Response: Check for other CICS messages and exception trace entries to investigate the cause of the input error.

Module: DFH0CBAE,DFH0CBRE,DFH0CBAI

ABXG

Explanation: An error was detected by the bridge exit when it tried to output the next message.

System Action: An exception trace is made of any error information. The task is abnormally terminated with a CICS transaction dump.

User Response: Check for other CICS messages and exception trace entries to investigate the cause of the output error.

Module: DFH0CBAE,DFH0CBRE

ABXH

Explanation: The user transaction issued a request which requires more data (such as a RECEIVE request). No data was available in the message, and mqcih-conversationaltask was set to mqcct-no which specifies that the transaction is non conversational.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: This may be correct behaviour as defined by the client application. If it is not, the client application should either supply additional data, or be redesigned to allow the transaction to be conversational.

Module: DFH0CBRF

ABXI

Explanation: A message received by the bridge exit, exceeded the maximum message size.

System Action: An exception trace is made of the first 4K of data in error. The task is abnormally terminated with a CICS transaction dump.

User Response: Check that the client application is passing the correct data. If it is, it will be necessary to change the size of the buffer. This is in field block-length in the sample exit. Recompile and reload the exit and retry.

Module: DFH0CBAE,DFH0CBRE

ABXJ

Explanation: The bridge exit detected an error in the MQCIH header passed by the client application.

System Action: An exception trace is written containing the MQCIH header. The task is abnormally terminated with a CICS transaction dump.

User Response: The client application has either not set the MQCIH header, or is using a version of the header which is incompatible with the bridge exit. Correct the client application. Recompile, reload and retry.

Module: DFH0CBAE,DFH0CBRE

ABXK

Explanation: The bridge exit detected an error in the data passed on the BRDATA parameter of the START command.

System Action: An exception trace is made of the data in error. The task is abnormally terminated with a CICS transaction dump.

User Response: Correct the transaction which issued the START. Recompile, reload and retry.

Module: DFH0CBAE,DFH0CBRE

ABXM

Explanation: The bridge exit or formatter was called with a function or command which it doesn't support. This either indicates a storage overwrite, or that the bridge exit is not designed for this command.

System Action: An exception trace is made of the data in error. The task is abnormally terminated with a CICS transaction dump.

User Response: Check the BRXA data in the trace to see if there has been a storage overwrite, or whether the exit supports this command.

Module: DFH0CBAE,DFH0CBRE,DFH0CBRF

ABXN

Explanation: The formatter detected that the input message was truncated.

System Action: An exception trace is made of the first 4K of the message. The task is abnormally terminated with a CICS transaction dump.

User Response: Check that the transport mechanism allows for messages of this length. If this is correct, it indicates that the client application is issuing an incorrect message. Trace the outbound message on the client application. Recompile, reload and retry.

Module: DFH0CBRF

ABXO

Explanation: The formatter detected an error in a BRMQ vector passed by the client application.

System Action: The field MQCIH-ERROROFFSET is set to indicate the position of the error in the message An exception trace is made of the MQCIH and BRMQ vector. The task is abnormally terminated with a CICS transaction dump.

User Response: Correct the client application. Recompile, reload and retry.

Module: DFH0CBRF

ABXP

Explanation: The formatter detected an error in a BRMQ vector header passed by the client application.

System Action: The field MQCIH-ERROROFFSET is set to indicate the position of the error in the message An exception trace is made of the MQCIH and BRMQ vector. The task is abnormally terminated with a CICS transaction dump.

User Response: Correct the client application. Recompile, reload and retry.

Module: DFH0CBRF

ABXQ

Explanation: The formatter could not find an ADSD vector as part of the BRMQ-RM vector when MQCIH-ADSDESCRIPTOR specified MQCADSD-MSGFORMAT.

System Action: An exception trace is made of the request. The task is abnormally terminated with a CICS transaction dump.

User Response: Correct the client application. Recompile, reload and retry.

Module: DFH0CBRF

ABXS

Explanation: An error was detected by the bridge exit when it tried to open the queue for the input or output message.

System Action: An exception trace is made of any error information. The task is abnormally terminated with a CICS transaction dump.

User Response: Check for other CICS messages and exception trace entries to investigate the cause of the open error.

Module: DFH0CBRE

ABX1

Explanation: The bridge exit or formatter was called with an invalid BRXA-HEADER. This indicates a storage overwrite.

System Action: An exception trace is made of the data in error. The task is abnormally terminated with a CICS transaction dump.

As CICS also does a check of the BRXA on return from the call to the exit, there will probably be a subsequent ABRZ abend.

User Response: Investigate the cause of the storage error, and retry.

Module: DFH0CBAE,DFH0CBRE,DFH0CBRF

ABX2

Explanation: The bridge exit or formatter was called with an invalid BRXA-TRANSACTION-AREA. This indicates a storage overwrite.

System Action: An exception trace is made of the data in error. The task is abnormally terminated with a CICS transaction dump.

As CICS also does a check of the BRXA on return from the call to the exit, there will probably be a subsequent ABRZ abend.

User Response: Investigate the cause of the storage error, and retry.

Module: DFH0CBAE,DFH0CBRE,DFH0CBRF

ABX3

Explanation: The bridge exit or formatter was called with an invalid BRXA-COMMAND-AREA. This indicates a storage overwrite.

System Action: An exception trace is made of the data in error. The task is abnormally terminated with a CICS transaction dump.

As CICS also does a check of the BRXA on return from the call to the exit, there will probably be a subsequent ABRZ abend.

User Response: Investigate the cause of the storage error, and retry.

Module: DFH0CBAE,DFH0CBRE,DFH0CBRF

ABX5

Explanation: The bridge exit or formatter was called without a user-area. This probably indicates an error in the bridge exit.

System Action: An exception trace is made of the data in error. The task is abnormally terminated with a CICS transaction dump.

User Response: Investigate the cause of the storage error, and retry.

Module: DFH0CBAE,DFH0CBRE,DFH0CBRF

ABX6

Explanation: The bridge exit or formatter was called with an invalid user-area. This indicates a storage overwrite or an error in the bridge exit.

System Action: An exception trace is made of the data in error. The task is abnormally terminated with a CICS transaction dump.

User Response: Investigate the cause of the storage error, and retry.

Module: DFH0CBAE,DFH0CBRE,DFH0CBRF

ABX7

Explanation: A TC command passed to the formatter, exceeded the maximum message size.

System Action: An exception trace is made of the first 4K of data in error. The task is abnormally terminated with a CICS transaction dump.

User Response: Check that the user transaction is passing the correct data. If it is, it will be necessary to change the size of the buffer. This is in field block-length in the sample exit. Recompile and reload the exit and retry.

Module: DFH0CBRF

ABX8

Explanation: A next BMS BRMQ vector in the input message passed to the formatter does not contain the mapset requested to answer a RECEIVE MAP request.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: This may just indicate that the transaction has gone down an error path which should result in a transaction backout. If not, the input message should have a BRMQ vector for this mapset. Change the client application, recompile and retry.

Module: DFH0CBRF

ABX9

Explanation: A next BMS BRMQ vector in the input message passed to the formatter does not contain the mapname requested to answer a RECEIVE MAP request.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: This may just indicate that the transaction has gone down an error path which should result in a transaction backout. If not, the input message should have a BRMQ vector for this mapname. Change the client application, recompile and retry.

Module: DFH0CBRF

ACAA

Explanation: This explanation applies to the two transaction abend codes, ACAA and ACAD. CICS cannot find a match for a function code in the language definition table because the parameterized resource definition contains an unrecognized resource type code. The abend code issued depends on the DFHCAP operation that was invoked before the error occurred:

Abend	DFHCAP operation
ACAA	ANALYZE
ACAD	DEFAULTS

The cause of the abend is either:

- The language definition table, DFHEITCU, in the library is invalid for the release of CICS you are running, **or**
- A CICS logic error has occurred.

System Action:

- In a CICS environment, the CEDA transaction is abnormally terminated with a CICS transaction dump.
- In a batch environment, processing is abnormally terminated with an operating system dump.

User Response: Ensure that the DFHEITCU module is in the library and is valid for this release of CICS.

If a valid version of DFHEITCU is already in the library, a CICS logic error has occurred. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHCAP

ACAD

Explanation: See **ACAA**.

Module: DFHCAP

ACAI

Explanation: An internal error has occurred when module DFHCAP was invoked. There was an invalid function code for a domain call to DFHCAP.

System Action:

- In a CICS environment, the CEDA transaction is abnormally terminated with a CICS transaction dump.
- In a batch environment, processing is abnormally terminated with an operating system dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHCAP

ACAJ

Explanation: An internal error has occurred when module DFHCAP was invoked while processing an EXEC CICS CREATE command. The preallocated dynamic storage area was too small.

System Action: The transaction executing the EXEC CICS CREATE command is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHCAP

ACAM

Explanation: An internal error has occurred when module DFHECBAM was invoked while processing a CBAM transaction.

System Action: CBAM is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHECBAM

ACCx

Explanation: Abend codes with 'ACC' as the first three characters are issued by the C/370 compiler running under CICS. These are documented in the *C/370 User's Guide*.

ACFA

Explanation: During the loading of a Coupling Facility Data Table by the CFCL transaction, an abend was detected or a domain call returned a response (such as DISASTER) after which normal processing could not continue.

System Action: A message is issued (one of DFHFC7100, DFHFC7101, DFHFC7103 or DFHFC7104). Loading of the data table is terminated and CFCL abends.

User Response: If this abend is produced as a result of an abend during loading, message DFHFC7103 is issued. If it is a result of a domain call failure, depending on which domain the failure was returned by, one of the messages DFHFC7100, DFHFC7101 or DFHFC7104 is issued. Refer to the description of the message for further information and guidance.

Module: DFHFCDL

ACFB

Explanation: A transaction has issued a request to a coupling facility data table for which it holds an active lock, but after the lock was acquired, the coupling facility data table server for the pool in which this coupling facility data table resides failed and was restarted. This request is of a type which cannot continue against a new instance of the server, because it is reliant on the lock which was acquired before the server failed.

System Action: The requesting transaction abends with a transaction dump.

CICS continues normally.

User Response: Retry the failed transaction.

Module: DFHEIFC

ACFC

Explanation: A transaction has issued a request to a coupling facility data table which was last accessed using a previous instance of the coupling facility data table server (that is, the server for the pool in which this coupling facility data table resides has failed and been restarted one or more times since the last access). We therefore need to reopen the access between this CICS file and the coupling facility data table, but the attempt to reopen access has failed.

System Action: The requesting transaction abends with a transaction dump.

CICS continues normally.

User Response: Retry the failed transaction. If the error continues to occur, issue an explicit close request for the file, followed by an explicit open request.

Module: DFHEIFC

ACFD

Explanation: During the loading of a Coupling Facility Data Table by the CFCL transaction, a call to the CICS Transaction Manager has returned a response (such as DISASTER) after which normal processing could not continue.

System Action: Message DFHFC7121 is issued. Loading of the data table is terminated and CFCL abends.

User Response: Refer to the description of the message for further information and guidance.

Module: DFHFCDL

ACFE

Explanation: An attempt was made to attach a transaction specifying DFHFCDL as the program to be given control, but the transaction was not internally attached by CICS.

DFHFCDL is for use by CICS system transaction CFCL. This loads a Coupling Facility Data Table.

System Action: The transaction is abnormally terminated. CICS processing continues.

User Response: Establish why an attempt was made to attach CFCL illegally, or why a transaction definition specified DFHFCDL as the program to be given control.

Module: DFHFCDL

ACHA

Explanation: The remote server transaction, CEHS, is not at a compatible level to operate with the CICS/CMS system. This usually indicates that the service levels of CICS/CMS and the remote server are different.

Problem Determination: To diagnose a problem with the remote server, it is generally helpful to obtain a trace of the remote server's activity up to the point of failure.

A remote server trace is obtained by invoking the remote server with the TRACE option, (type CEHS TRACE). The remote server operates as normal but causes entries to be written to a trace log in temporary storage. Note that main storage, not auxiliary, is used for this queue hence large amounts of memory can be used up if this trace is left on for long.

The trace is found in a queue whose name is 'CEHS*xxxx*', where '*xxxx*' is the four-character terminal identifier. The queue can be browsed in text form or in hexadecimal form using CEBR. To find the terminal identifier, invoke CEBR on the terminal that has run CEHS, without giving a queue name. The queue name will default to 'CEBR*xxxx*', where '*xxxx*' is the terminal identifier.

Note: CEBR requires the queue name to be in UPPER CASE.

For a description of the remote server and its trace entries and abend codes, see the *CICS/VS Remote Server Diagnosis Manual* (LC33-0438).

System Action: CICS terminates the remote server transaction abnormally with a dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHCHS

ACHB

Explanation: The remote server has received a data frame from CICS/CMS that is out of sequence. A frame may have been lost in transmission.

System Action: CICS terminates the remote server abnormally with a dump.

User Response: Reestablish the connection between CICS/CMS and the remote CICS system and try to use the remote server again. For further information, see the 'Problem Determination' section for abend code ACHA.

If the problem persists, you will need assistance from IBM to resolve the problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHCHS

ACHC

Explanation: The remote server did not receive the expected acknowledgement type data frame from CICS/CMS.

System Action: CICS terminates the remote server abnormally with a dump.

User Response: Reestablish the connection between CICS/CMS and the remote CICS system and try to use the remote server again. For further information, see the 'Problem Determination' section for abend code ACHA.

If the problem persists, you will need assistance from IBM to resolve the problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHCHS

ACHD

Explanation: The remote server did not receive the expected response type data frame from CICS/CMS.

System Action: CICS terminates the remote server abnormally with a dump.

User Response: Reestablish the connection between CICS/CMS and the remote CICS system and try to use the remote server again. For further information, see the 'Problem Determination' section for abend code ACHA.

If the problem persists, you will need assistance from IBM to resolve the problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHCHS

ACHE

Explanation: The remote server received an unexpected data frame from CICS/CMS. This indicates a logic error in the remote server.

System Action: CICS terminates the remote server abnormally with a dump.

User Response: Reestablish the connection between CICS/CMS and the remote CICS system and try to use the remote server again. For further information, see the 'Problem Determination' section for abend code ACHA.

If the problem persists, you will need assistance from IBM to resolve the problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHCHS

ACHF

Explanation: The remote server attempted to send one of a series of data frames to CICS/CMS when, at this time, only a single frame is allowed. This indicates a logic error in the remote server.

System Action: CICS terminates the remote server abnormally with a dump.

User Response: Reestablish the connection between CICS/CMS and the remote CICS system and try to use the remote server again. For further information, see the 'Problem Determination' section for abend code ACHA.

If the problem persists, you will need assistance from IBM to resolve the problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHCHS

ACHG

Explanation: The remote server attempted to send data to CICS/CMS. However, it was not set to the correct mode to do so. This indicates a logic error in the remote server.

System Action: CICS terminates the remote server abnormally with a dump.

User Response: Reestablish the connection between CICS/CMS and the remote CICS system and try to use the remote server again. For further information, see the 'Problem Determination' section for abend code ACHA.

If the problem persists, you will need assistance from IBM to resolve the problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHCHS

ACHH

Explanation: A TIOA has not been created from the data received by the remote server from CICS/CMS.

System Action: CICS terminates the remote server abnormally with a dump.

User Response: Reestablish the connection between CICS/CMS and the remote CICS system and try to use the remote server again. For further information, see the 'Problem Determination' section for abend code ACHA.

If the problem persists, you will need assistance from IBM to resolve the problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHCHS

ACHI

Explanation: The remote server has received an unexpected return code from the Transformer 2 program.

System Action: CICS terminates the remote server abnormally with a dump.

User Response: For further information, see the 'Problem Determination' section for abend code ACHA.

Module: DFHCHS

ACHJ

Explanation: An error has occurred processing a request from CICS/CMS which had the 'No-Reply' option. The remote server cannot, therefore, return the error condition to CICS/CMS.

System Action: CICS terminates the remote server abnormally with a dump.

User Response: Reestablish the remote server and diagnose the problem by executing the same command from CECI under CICS/CMS without the NOCHECK option. For further information, see the 'Problem Determination' section for abend code ACHA.

Module: DFHCHS

ACHK

Explanation: The transformer program has requested neither EIP nor DLI to execute the request received from CICS/CMS. This indicates a logic error because the request has to be destined for either EIP or DLI.

System Action: CICS terminates the remote server abnormally with a dump.

User Response: For further information, see the 'Problem Determination' section for abend code ACHA.

Module: DFHCHS

ACHL

Explanation: CICS/CMS has supplied a buffer to the remote server which is not large enough to hold the reply that the remote server has to return.

System Action: CICS terminates the remote server abnormally with a dump.

User Response: Reestablish the connection between CICS/CMS and the remote CICS system and try to use the remote server again. For further information, see the 'Problem Determination' section for abend code ACHA.

If the problem persists, you will need assistance from IBM to resolve the problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHCHS

ACHM

Explanation: The remote server has tried to receive a response from CICS/CMS which failed repeatedly until the retry limit was exceeded.

System Action: CICS terminates the remote server abnormally with a dump.

User Response: Reestablish the connection between CICS/CMS and the remote CICS system and try to use the remote server again. For further information, see the 'Problem Determination' section for abend code ACHA.

If the problem persists, you will need assistance from IBM to resolve the problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHCHS

ACHN

Explanation: The remote server has tried to receive a request from CICS/CMS which failed repeatedly until the retry limit was exceeded.

System Action: CICS terminates the remote server abnormally with a dump.

User Response: Reestablish the connection between CICS/CMS and the remote CICS system and try to use the remote server again. For further information, see the 'Problem Determination' section for abend code ACHA.

If the problem persists, you will need assistance from IBM to resolve the problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHCHS

ACHO

Explanation: The remote server has tried to receive a reply from CICS/CMS which failed repeatedly until the retry limit was exceeded.

System Action: CICS terminates the remote server abnormally with a dump.

User Response: Reestablish the connection between CICS/CMS and the remote CICS system and try to use the remote server again. For further information, see the 'Problem Determination' section for abend code ACHA.

If the problem persists, you will need assistance from IBM to resolve the problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHCHS

ACHP

Explanation: CICS/CMS has made a request to the remote server for which the reply would need more than the maximum storage allowed (32660 bytes). This indicates that a logic error has occurred.

System Action: CICS terminates the remote server abnormally with a dump.

User Response: For further information, see the 'Problem Determination' section for abend code ACHA.

Module: DFHCHS

ACHR

Explanation: The CICS/CMS remote server transaction (CEHS) has been initiated and either the task is not terminal-oriented, or the associated terminal is a console.

System Action: CICS abnormally terminates the remote server with a dump.

User Response: Ensure the transaction is initiated with an associated terminal and that the terminal is not defined as a console. For further information, see the 'Problem Determination' section for abend code ACHA.

Module: DFHCHS

ACHS

Explanation: The CICS/OS2 remote server transaction (CEHP) has been initiated and either the task is not terminal-oriented, or the associated terminal is a console.

System Action: CICS abnormally terminates the remote server with a dump.

User Response: Ensure the transaction is initiated with an associated terminal and that the terminal is not defined as a console. For further information, see the 'Problem Determination' section for abend code ACHA.

Module: DFHCHS

ACL0

Explanation: The new operator failed to allocate storage whilst creating an object. This problem will occur if there is insufficient storage available to the CICS region to satisfy the request.

System Action: CICS abnormally terminates the transaction.

User Response: This abend may occur if you are in a loop creating objects and not deleting them. Alternatively CICS might be short on storage and you should try resubmitting the transaction.

Module: ICCGLBIC

ACL1

Explanation: The CICS Foundation Classes have thrown an exception which the application programmer failed to catch.

System Action: CICS abnormally terminates the transaction.

User Response: Check that you have coded your application to catch exceptions. Interrogate the message object contained within the exception object to establish the cause of the exception being thrown.

Another possible cause of this abend is that you are running a Foundation Classes program on a machine that does not have the C++ runtime installed. Check that your machine has the C++ runtime installed.

Module: ICCGLBIC

ACL2

Explanation: The CICS Foundation Classes invoked the default handleEvent method (defined in class IccResource) in order to handle a CICS condition because the application programmer did not implement his own handleEvent method.

System Action: CICS abnormally terminates the transaction.

User Response: Implement your own handleEvent method or customize your resource objects so they do not call the handleEvent method for any of the possible CICS conditions.

Module: ICCRESEC

ACL3

Explanation: The CICS Foundation Classes responded to an application programmer's request to abend a CICS task.

System Action: CICS abnormally terminates the transaction.

User Response: The application programmer requested that the CICS Foundation Classes abend the transaction using the appropriate return enumeration from the handleEvent method (see IccResource class).

Module: ICCRESIC

ACL4

Explanation: The CICS Foundation Classes detected an internal error.

System Action: CICS abnormally terminates the transaction.

User Response: This abend indicates a CICS Foundation Classes internal problem. Please contact your support organization.

Module: ICCGLIBC

ACL5

Explanation: The CICS Foundation Classes received an error from a CICS storage request (GETMAIN). In response to a new operator request the CICS Foundation Classes issued a CICS GETMAIN request to allocate storage which CICS was unable to satisfy.

System Action: CICS abnormally terminates the transaction.

User Response: This abend may occur if you are in a loop creating objects and not deleting them. Alternatively CICS might be short on storage and you should try resubmitting the transaction.

Module: ICCBASEC

ACL6

Explanation: The CICS Foundation Classes detected an error while processing a storage release request.

System Action: CICS abnormally terminates the transaction.

User Response: This abend can occur if you try to delete an object that does not exist (that is, it has already been deleted). It may also indicate a CICS memory management problem, or a storage corruption problem. If the error persists, please contact your support organization.

Module: ICCBASEC

ACL7

Explanation: The CICS Foundation Classes have thrown an exception which the application programmer failed to catch.

System Action: CICS abnormally terminates the transaction.

User Response: Check that you have coded your application to catch exceptions. Interrogate the message object contained within the exception object to establish the cause of the exception being thrown.

Another possible cause of this abend is that you are running a Foundation Classes program on a machine that does not have the C++ runtime installed. Check that your machine has the C++ runtime installed.

Module: ICCGLBIC

ACL8

Explanation: The CICS Foundation Classes have thrown an exception which the application programmer failed to catch.

System Action: CICS abnormally terminates the transaction.

User Response: Check that you have coded your application to catch exceptions. Interrogate the message object contained within the exception object to establish the cause of the exception being thrown.

Another possible cause of this abend is that you are running a Foundation Classes program on a machine that does not have the C++ runtime installed. Check that your machine has the C++ runtime installed.

Module: ICCGLBIC

ACL9

Explanation: The CICS Foundation Classes responded to an application programmer's request to abend a CICS task.

System Action: CICS abnormally terminates the transaction.

User Response: A resource object was customized to cause a transaction abend if a particular CICS condition was raised, and this condition was subsequently raised by CICS.

Module: ICCRESIC

ACLA

Explanation: The CICS Foundation Classes detected an internal error.

System Action: CICS abnormally terminates the transaction.

User Response: This abend indicates a CICS Foundation Classes internal problem. Please contact your support organization.

Module: ICCGLIBC

ACLB

Explanation: The CICS Foundation Classes detected an internal error.

System Action: CICS abnormally terminates the transaction.

User Response: This abend indicates a CICS Foundation Classes internal problem. Please contact your support organization.

Module: ICCGLIBC

ACLC

Explanation: The CICS Foundation Classes detected an internal error.

System Action: CICS abnormally terminates the transaction.

User Response: This abend indicates a CICS Foundation Classes internal problem. Please contact your support organization.

Module: ICCGLIBC

ACLD

Explanation: The CICS Foundation Classes detected an internal error.

System Action: CICS abnormally terminates the transaction.

User Response: This abend indicates a CICS Foundation Classes internal problem. Please contact your support organization.

Module: ICCGLIBC

ACLE

Explanation: The CICS Foundation Classes detected an internal error.

System Action: CICS abnormally terminates the transaction.

User Response: This abend indicates a CICS Foundation Classes internal problem. Please contact your support organization.

Module: ICCGLIBC

ACLF

Explanation: The CICS Foundation Classes detected an internal error.

System Action: CICS abnormally terminates the transaction.

User Response: This abend indicates a CICS Foundation Classes internal problem. Please contact your support organization.

Module: ICCGLIBC

ACLG

Explanation: The CICS Foundation Classes detected an internal error.

System Action: CICS abnormally terminates the transaction.

User Response: This abend indicates a CICS Foundation Classes internal problem. Please contact your support organization.

Module: ICCGLIBC

ACLH

Explanation: The CICS Foundation Classes detected an error while processing a storage release request.

System Action: CICS abnormally terminates the transaction.

User Response: This abend can occur if you try to delete an object that does not exist (that is, it has already been deleted). It may also indicate a CICS memory management problem, or a storage corruption problem. If the error persists, please contact your support organization.

Module: ICCBASEC

ACNA

Explanation: The table DFHCNV cannot be loaded. This is a general purpose abend code indicating that the LOAD request for the conversion table, DFHCNV, has failed.

System Action: The transaction is abnormally terminated with a transaction dump.

User Response: Examine the transaction dump to determine the exact condition returned from LOAD request.

Module: DFHCCNV

ACNB

Explanation: The program DFHUCNV cannot be linked This is a general purpose abend code indicating that the LINK request for the conversion program DFHUCNV, has failed.

System Action: The transaction is abnormally terminated with a transaction dump.

User Response: Examine the transaction dump to determine the exact condition returned from LINK request.

Module: DFHCCNV

ACN1

Explanation: The table DFHCNV cannot be loaded. This is probably because a table has not been pregenerated. It could also occur if the table DFHCNV has been linked above 16MB but DFHCCNV has been linked below 16MB.

System Action: The transaction is abnormally terminated with a transaction dump.

User Response: Check that the DFHCNV module is in the library and is valid for this release of CICS. Check the linkage of DFHCNV and relink it with the correct AMODE if necessary.

Module: DFHCCNV

ACN2

Explanation: The table DFHCNV has been loaded but the first record is in the wrong format. This is probably due to an error during assembly or linkedit, but could also be the result of a storage overwrite.

System Action: The transaction is abnormally terminated with a transaction dump.

User Response: The table should be reassembled and linked. Check the assemble and linkedit output. Check for any messages issued from CICS indicating that storage overwrites have occurred.

Module: DFHCCNV

ACN3

Explanation: The program DFHUCNV cannot be linked. A user conversion program must be available (even if it only returns).

System Action: The transaction is abnormally terminated with a transaction dump.

User Response: Check that the DFHUCNV module is in the library and is valid for this release of CICS. Check the linkage of DFHUCNV and relink it with the correct AMODE if necessary.

Module: DFHCCNV

ACN4

Explanation: An unrecognized format of a DFHCNV table has been encountered.

System Action: The transaction is abnormally terminated with a transaction dump.

User Response: Re-assemble and re-link edit the DFHCNV macro.

Module: DFHCCNV

ACN5

Explanation: An override for the default client code page has been received; however the value is not recognized.

System Action: The transaction is abnormally terminated with a transaction dump.

User Response: Check that the client system is using one of the client code pages supported by CICS/390.

Module: DFHCCNV

ACN6

Explanation: The conversion between client code page and server code page is not supported by CICS/390; for example conversion has been requested between Japanese code page 932 and Latin-1 code page 500.

System Action: The transaction is abnormally terminated with a transaction dump.

User Response: Ensure that the Client codepage, both default and overrides are in the same group as the Server codepage. for example client code page 852 from Latin-2 group, is only supported to server code page 870.

Module: DFHCCNV

ACN7

Explanation: An override for the default binary format has been received; however the value is not recognized.

System Action: The transaction is abnormally terminated with a transaction dump.

User Response: Data formats should be either S/370 or INTEL, anything else is unsupported by CICS/390.

Module: DFHCCNV

ACN8

Explanation: CICS data conversion is processing a FIELD defined as containing GRAPHIC characters (which are only DBCS): that is

```
DFHCNV TYPE=FIELD,DATATYP=GRAPHIC,...
```

However the client code page (defined in the CLINTCP operand), and the server code page (defined in the SRVERCP operand) imply that the FIELD contains only SBCS characters, for example

```
DFHCNV TYPE=ENTRY,CLINTCP=437,SRVERCP=037
```

System Action: The transaction is abnormally terminated with a transaction dump.

User Response: Correct the FIELD definition.

Module: DFHCCNV

ACN9

Explanation: The table DFHCNV cannot be loaded. This abend code is issued following a NOTAUTH condition being raised during loading of the DFHCNV table.

System Action: The transaction is abnormally terminated with a transaction dump.

User Response: Ensure the resource security definitions are correct.

Module: DFHCCNV

ACP1

Explanation: DFHIC TYPE=GET response code is other than the normal response during print key processing.

System Action: The transaction is abnormally terminated with a CICS transaction dump. The keyboard of the terminal on which the print key was depressed remains locked to indicate the failure of the operation.

User Response: Analyze the dump. The response code is in the low order byte of register 0.

Module: DFHCPY

ACP2

Explanation: DFHIC TYPE=INITIATE response code is other than the normal response during print key processing.

System Action: The transaction is abnormally terminated with a CICS transaction dump. The keyboard of the terminal on which the print key was depressed remains locked to indicate the failure of the operation.

User Response: Analyze the dump. The response code is in low-order byte of register 0.

Module: DFHCPY

ACQA

Explanation: The Connection Quiesce Protocol transaction has been initiated by user action, such as a START command or by typing the transaction identifier at a terminal. The transaction is not intended to be initiated in this way.

System Action:

1. If the transaction was not initiated by terminal input, message DFHZC4951 is written to destination CSNE.
2. An exception trace record is written to all active trace destinations.
3. The transaction is abnormally terminated with a CICS transaction dump.

User Response: Determine what caused the transaction to be initiated. The exception trace record contains information which will help you.

Module: DFHCLS5

ACQB

Explanation: The Connection Quiesce Protocol transaction has encountered an error when communicating with another system on an APPC session.

System Action:

1. Message DFHZC4951 is written to destination CSNE.
2. An exception trace record is written to all active trace destinations.
3. The transaction is abnormally terminated with a CICS transaction dump.

User Response: Determine what caused the failure. A likely cause is a failure of the session with the partner system.

Module: DFHCLS5

ACQC

Explanation: The Connection Quiesce Protocol transaction has encountered an unexpected error.

System Action:

1. Message DFHZC4951 is written to destination CSNE.
2. An exception trace record is written to all active trace destinations.
3. The transaction is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHCLS5

ACRA

Explanation: The relay program has been invoked without a terminal as its principal facility.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: Ensure that DFHAPRT has not been specified as the initial program of a task that is not terminal-related.

Module: DFHAPRT

ACRB

Explanation: The relay program has been invoked by a transaction that is not defined as remote.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: Check that the relay program is defined correctly. Determine why DFHAPRT was invoked if the transaction is not a remote transaction.

Module: DFHAPRT

ACRC

Explanation: The relay program received an invalid response from DFHZCX.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHAPRT

ACRD

Explanation: The system entry for the system to which routing is to be performed could not be found.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: Check the installed transaction definition to confirm that the system was correctly specified. Check that the system entry is defined in the TCT.

Module: DFHAPRT

ACRE

Explanation: A transaction invoked from an APPC terminal and specified in the installed transaction definition as remote has abnormally terminated because the link is out of service.

System Action: The task is abnormally terminated.

User Response: Wait until the link is available. The CICS supplied transaction CEMT INQUIRE CONNECTION can be used to check the states of the links.

Module: DFHAPRT

ACRF

Explanation: The relay program received a nonzero return code from the dynamic router following its first invocation.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: Use the dump to determine why the dynamic routing program has failed by checking the contents of the passed COMMAREA DFHDYE for correctness. The COMMAREA address can be found from field TCACOMM in the system TCA for the task. The COMMAREA fields are mapped via the DFHDYPDS DSECT.

Module: DFHAPRT

ACRG

Explanation: An ATI initiated remote transaction defined with DYNAMIC(YES) has failed because there is no matching entry in the AID chain.

Each AID in the chain has been checked and none has been found where

- The AID terminal ID matches that of the TCTTE
- The installed transaction definition and the AID transaction IDs match
- The AID is for a remote transaction
- The AID has not been canceled.

System Action: The task is abnormally terminated with a CICS system dump.

User Response: The dump can be used to help ascertain the mismatch. Check the transactions listed in the TCTTE and PCT fields of the system dump against the AID chain.

Module: DFHAPRT

ACRH

Explanation: The profile for the session that will carry intersystem flows during transaction routing could not be found.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: Check the installed transaction definition to confirm that TRPROF is correctly specified.

Module: DFHAPRT

ACRI

Explanation: An error occurred when attempting to link to the dynamic routing program.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

A message in the range DFHRT4417 to DFHRT4420 is written to the CSMT log.

User Response: Refer to the message sent to the CSMT log. It identifies the cause of the link failure and provides further user guidance.

Modules: DFHAPRT, DFHEPC

ACRJ

Explanation: An abend has occurred in the dynamic routing program after a link has been executed from DFHAPRT or DFHEPC.

System Action: The transaction is abnormally terminated with a CICS transaction dump. Message DFHRT4416 is written to the CSMT log.

User Response: Refer to message DFHRT4416. It identifies the abend in the dynamic routing program and provides further user guidance.

Modules: DFHAPRT, DFHEPC

ACRK

Explanation: The relay program has been invoked with no address for the principal facility.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHAPRT

ACRL

Explanation: The task does not own the facility.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHAPRT

ACRM

Explanation: In response to a request from the dynamic routing program, DFHAPRT has attempted an INITIAL_LINK to a program that is not the initial program of the transaction for which the dynamic router has been invoked. The attempt has failed.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: Examine the following possibilities:

- The autoinstall user-replaceable module (URM) was called but is unable to do the autoinstall.
- The autoinstall URM was called but data supplied by the autoinstall URM is invalid.
- The autoinstall URM was called, but there is no processing program table (PPT) entry for the autoinstall model.
- There is a problem with the autoinstall URM.
- There is no PPT entry for the program, and either autoinstall is not active or the autoinstall URM indicated that the program should not be autoinstalled.
- The program is disabled.
- The program cannot be loaded.
- The program is defined as remote.

Module: DFHAPRT

ACRO

Explanation: An attempt has been made to invoke the CRSQ transaction from a terminal. CRSQ is an internal CICS transaction and cannot be invoked in this way.

System Action: The task is abnormally terminated.

User Response: None. You can use CEMT and EXEC CICS commands to cancel AIDs.

Module: DFHCRQ

ACRP

Explanation: The dynamic routing program has supplied a sysid that does not support a routable START. The backend system does not support this function.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: An alternative sysid should be given or revert to the old style START.

Module: DFHAPRT

ACSA

Explanation: The remote scheduler task (CRSR) does not own an intersystem link TCTTE as its principal facility.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: Ensure that DFHCRS is not specified as the initial program of a task other than CRSR. Check that the terminal operator did not enter CRSR.

Module: DFHCRS

ACSB

Explanation: An unexpected reply was received from a remote system in response to a request to schedule a task on that system.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHCRS

ACSC

Explanation: An unexpected request was received from a remote system when expecting a request to schedule a task.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHCRS

ACSD

Explanation: An internal logic error has been detected.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHCRS

ACSE

Explanation: Module DFHCRS has been attached in an unsupported manner.

System Action: CICS abnormally terminates the transaction with a transaction dump.

User Response: Module DFHCRS should be executed only by transaction CRSR, which executes with an MRO session, an LU6.1 session or an LU type 6.2 conversation as its principal facility. Ensure that the transaction is being attached by a CRSR transaction in the connected system, and not by a user transaction.

If the transaction is being attached by a CRSR transaction, you will need assistance from IBM to resolve the problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHCRS

ACSF

Explanation: The task was purged before a GETMAIN request to the storage manager (SM) domain was able to complete successfully. The task that first detects the purged condition provides an exception trace.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: Investigate the reason why the task was purged. It was purged either by the master terminal operator or as a result of a deadlock timeout.

Module: DFHCRS

ACSG

Explanation: An error (INVALID, DISASTER or unexpected EXCEPTION response) has occurred on a call to the storage manager (SM) domain. The domain that detected the original error will have provided an exception trace, a console message and, possibly, a system dump (depending on the options specified in the dump table).

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: Please see the related error message produced by the domain that detected the original error.

Module: DFHCRS

ACSH

Explanation: The processing of APPC mapped data requires the generation of an LU6.2 attach FMH with default values. In particular, the sync level requested is defaulted to 2. However, the session that is to be used has been bound with a sync level of 1.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: Check that:

- The entry in the TCT for the remote system has been defined with parallel sessions
- The remote system can support a sync level of 2
- The correct sync level has been requested.

Module: DFHCRS

ACSI

Explanation: An APPC conversation failure occurred when an attach between CICS systems was issued.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: Check the connection to the remote CICS system and try to reestablish it.

Module: DFHCRS

ACSJ

Explanation: An error (INVALID, DISASTER or unexpected EXCEPTION response) has occurred on a call to the recovery manager (RM) domain. The domain provides an exit trace, and possibly a console message and a system dump (depending on the options specified in the dump table). This failure is either the result of a task purge, or a CICS logic error.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: See the related diagnostic material produced by the recovery manager domain and determine the reason for the failure.

In the case of a CICS logic error, you need further assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHCRS

ACSL

Explanation: CICS has been unable to attach a transaction to perform a mass flag (CFTS) or mass remote delete (CDTS) request.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHCRS

ACSM

Explanation: Transaction CFTS has abended. The mass flagging of terminals for deletion has failed.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHCRS

ACSN

Explanation: Transaction CFTS has stalled. The mass flagging of terminals for deletion has exceeded the expected time and is therefore assumed to have failed.

System Action: The task is abnormally terminated with a CICS transaction dump. A flag is set in the remote work element (RWE) to indicate that the mainline transaction has assumed that CFTS has failed.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHCRS

ACTA

Explanation: The relay program running in the terminal-owning region has received an unexpected request from the application owning region. The request received is in violation of CICS transaction routing protocols.

The request will be in the DFHLUCDS DSECT in DFHZTSP's LIFO – field LUCOPN0

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHZTSP

ACTB

Explanation: The relay program running in the terminal-owning region issued a terminal control WRITE,LAST request to the application-owning system, and received a nonzero return code from terminal control.

This is the usual return code from terminal control in TCATPAPR.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: Use the transaction dump to determine why terminal control was unable to process the request.

Module: DFHZTSP

ACTC

Explanation: The relay program running in the terminal-owning region issued a terminal control request to free its session to the application-owning system, and received a nonzero return code from terminal control.

This is the usual return code from terminal control in TCATPAPR.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: Use the transaction dump to determine why terminal control was unable to process the request.

Module: DFHZTSP

ACTD

Explanation: The relay program running in the terminal-owning region issued a terminal control WRITE,WAIT,READ request to the application-owning system, and received a nonzero return code from terminal control.

This is the usual return code from terminal control in TCATPAPR.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: Use the transaction dump to determine why terminal control was unable to process the request.

Module: DFHZTSP

ACTE

Explanation: The relay program running in the terminal-owning region attempted to free its session with the APPC terminal, and received a nonzero return code from terminal control.

The return code will be in the DFHLUCDS DSECT in DFHZTSP's LIFO field, LUCRCODE.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: Use the transaction dump to determine why terminal control was unable to process the request. The terminal session may have failed.

Module: DFHZTSP

ACTF

Explanation: The relay program running in the terminal-owning region issued a terminal control request to free its session to the application-owning system, and received a nonzero return code from terminal control.

This return code can be found in the TCA field, TCATPAPR.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: Use the transaction dump to determine why terminal control was unable to process the request. The transaction on the application-owning region may have abnormally terminated or the session may have failed.

Module: DFHZTSP

ACTG

Explanation: The relay program running in the terminal-owning region issued a request to attach a transaction in the application-owning region, but the response received from that region was invalid.

The return code in the TCA (field TCATPAPR) will be nonzero, and either there will be no TIOA (field TCTTEDA in the TCTTE is zero) or there will be no FMH7 at the start of the TIOA.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: Use the transaction dump to determine why terminal control was unable to process the request. The transaction on the application-owning region may have abnormally terminated or the session may have failed.

Module: DFHZTSP

ACTH

Explanation: A privileged allocate was issued against a remote LU 6.2 system.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHZISP

ACTI

Explanation: The relay transaction has an ISC or MRO session as its principal facility. However the TCTTE for that session is not owned by the task.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHCRT

ACTJ

Explanation: The principal facility of the relay transaction is not a TCTTE.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: Task CXRT should only be started in a terminal-owning region by an ALLOCATE request issued in an application-owning region against a remote APPC device. The principal facility of the task should be an ISC or MRO link. Check that your CICS system is defined in such a way that this will always be the case. Also ensure that program DFHCRT is started only by task CXRT.

Module: DFHCRT

ACTK

Explanation: The task was purged before a GETMAIN request to the storage manager (SM) domain was able to complete successfully. The task that first detected the purged condition will have provided an exception trace.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: Investigate the reason why the task was purged. It was either purged by the master terminal operator or as a result of a deadlock timeout.

Module: DFHZISP

ACTL

Explanation: An error (INVALID, DISASTER or unexpected EXCEPTION response) has occurred on a call to the storage manager (SM) domain. The domain that detected the original error will have provided an exception trace, a console message and, possibly, a system dump (depending on the options specified in the dump table).

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: See the related message produced by the domain that detected the original error.

Module: DFHZISP

ACUA

Explanation: DFHZXRL was called with a request which is not supported for transaction routing.

The request is located in the DFHLUC parameter list which is printed in the exception trace. DFHZXRL is called from DFHZARL, which will put details of the request in its trace entry.

System Action: The task is abnormally terminated with a transaction dump and an exception trace entry.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHZXRL

ACUB

Explanation: The parameter list passed to DFHZXRL for an ALLOCATE request does not contain the TCTSE address of a remote APPC terminal.

The TCTSE address is located in the DFHLUC parameter list which is printed in the exception trace. DFHZXRL is called from DFHZARL, which will put details of the request in its trace entry.

System Action: The task is abnormally terminated with a transaction dump and an exception trace entry.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHZXRL

ACUC

Explanation: The TCTSE address passed to DFHZXRL is not that of a remote LU 6.2 terminal.

The TCTSE address is located in the DFHLUC parameter list which is printed in the exception trace. DFHZXRL is called from DFHZARL, which will put details of the request in its trace entry.

System Action: The task is abnormally terminated with a transaction dump and an exception trace entry.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHZXRL

ACUD

Explanation: The profile DFHCICSR could not be located as an installed profile definition.

System Action: The task is abnormally terminated with a transaction dump and an exception trace entry.

User Response: Check that the IBM-supplied profile DFHCICSR is correctly defined and installed to CICS.

Module: DFHZXRL

ACUE

Explanation: A request to DFHZTSP to build a surrogate TCTTE was not satisfied.

System Action: The task is abnormally terminated with a transaction dump and an exception trace entry.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHZXRL

ACUF

Explanation: A session between the application-owning region and the terminal-owning region was not allocated because the request was incorrectly specified.

System Action: The task is abnormally terminated with a transaction dump and an exception trace entry.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHZXRL

ACUG

Explanation: A request to allocate a session between the application-owning region and the terminal-owning region failed. The return code from the ALLOCATE request indicated that the profile could not be located as an installed transaction definition, although an earlier attempt to locate it was successful.

The return code is located both in TCATPAPR and in the trace entry on return from DFHZARQ.

System Action: The task is abnormally terminated with a transaction dump and an exception trace entry.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHZXRL

ACUH

Explanation: A request to allocate a session between the application-owning region and the terminal-owning region failed. The return code from the ALLOCATE request indicated that the requested session is already owned by the TCA.

The return code is located both in TCATPAPR and in the trace entry on return from DFHZARQ.

System Action: The task is abnormally terminated with a transaction dump and an exception trace entry.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHZXRL

ACUI

Explanation: An ISC session between the application-owning region and the terminal-owning region was not allocated because the MODENAME named in the profile could not be found. The profile DFHCICSR as supplied by IBM does not specify a MODENAME. Therefore, this error will occur when a MODENAME has been added to the IBM-supplied profile, but that MODENAME is not defined in the SESSIONS definition for the terminal-owning region.

System Action: The task is abnormally terminated with a transaction dump and an exception trace entry.

User Response: Ensure that the MODENAME specified in profile DFHCICSR was also specified when defining the SESSIONS to the terminal-owning region.

Module: DFHZXRL

ACUJ

Explanation: A session between the application-owning region and the terminal-owning region was not allocated because the maximum session count for the mode group specified in profile DFHCICSR is zero.

System Action: The task is abnormally terminated with a transaction dump and an exception trace entry.

User Response: Use the CEMT transaction to set sessions in the required mode group available for use.

Module: DFHZXRL

ACUK

Explanation: No TCT entry was found for the terminal-owning region specified in the TCTSE for the remote terminal.

System Action: The task is abnormally terminated with a transaction dump and an exception trace entry.

User Response: Ensure that the terminal-owning region defined in the remote system entry is also defined with a system entry in the TCT.

Module: DFHZXRL

ACUL

Note: The description of this abend also applies to ACUX and ACUZ.

Explanation: The transaction routing program in the application-owning region issued a terminal control WRITE,WAIT,READ request to the terminal-owning region, and received a nonzero return code from terminal control.

The return code is located both in TCATPAPR and in the trace entry on return from DFHZARQ.

System Action: The task is abnormally terminated with a transaction dump and an exception trace entry.

User Response: Use the transaction dump to determine why terminal control was unable to process the request. This abend code may result when:

- The relay program in the terminal-owning region terminates abnormally. In this case, determine the reason why the relay program has abnormally terminated.
- The session has failed.

Module: DFHZXRL

ACUM

Explanation: A request to DFHZTSP to free a surrogate TCTTE was not satisfied.

System Action: The task is abnormally terminated with a transaction dump and an exception trace entry.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHZXRL

ACUO

Note: The description of this abend also applies to ACUQ, ACUS and ACU1.

Explanation: A terminal control READ request has failed. The transaction routing program in the application-owning region attempted to receive data from the terminal-owning region, and received a nonzero return code from terminal control.

The return code is located both in TCATPAPR and in the trace entry on return from DFHZARQ.

System Action: The task is abnormally terminated with a transaction dump and an exception trace entry.

User Response: Use the transaction dump to determine why terminal control was unable to process the request. This abend code may result when:

- The relay program in the terminal-owning region terminates abnormally. In this case, determine the reason why the relay program has abnormally terminated.
- The session has failed.

Module: DFHZXRL

ACUP

Note: The description of this abend also applies to ACUR.

Explanation: The transaction routing program in the application-owning region did not receive a rollback from the terminal-owning region. This violates CICS transaction routing protocols.

The trace from the terminal-owning region will show its response to the application-owning region.

System Action: The task is abnormally terminated with a transaction dump and an exception trace entry.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHZXRL

ACUQ

Explanation: Refer to the description of abend ACUO.

Module: DFHZXRL

ACUR

Explanation: Refer to the description of abend ACUP.

Module: DFHZXRL

ACUS

Explanation: Refer to the description of abend ACUO.

Module: DFHZXRL

ACUT

Explanation: The transaction routing program in the application-owning region did not receive either a syncpoint or a rollback from the terminal-owning region. This violates CICS transaction routing protocols.

The trace from the terminal-owning region will show its response to the application-owning region.

System Action: The task is abnormally terminated with a transaction dump and an exception trace entry.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHZXRL

ACUV

Explanation: The transaction routing program in the application-owning region issued a terminal control ISSUE ABEND request on an MRO link to the terminal-owning region, and received a nonzero return code from terminal control.

The return code is located both in TCATPAPR and in the trace entry on return from DFHZIS1.

System Action: The task is abnormally terminated with a transaction dump and an exception trace entry.

User Response: Use the transaction dump to determine why terminal control was unable to process the request. This abend code may result when:

- The relay program in the terminal-owning region terminates abnormally. In this case, determine the reason why the relay program has abnormally terminated.
- The session has failed.

Module: DFHZXRL

ACUW

Explanation: The transaction routing program in the application-owning region issued a terminal control ISSUE ERROR request on an MRO link to the terminal-owning region, and received a nonzero return code from terminal control.

The return code is located both in TCATPAPR and in the trace entry on return from DFHZIS1.

System Action: The task is abnormally terminated with a transaction dump and an exception trace entry.

User Response: Use the transaction dump to determine why terminal control was unable to process the request. This abend code may result when:

- The relay program in the terminal-owning region terminates abnormally. In this case, determine the reason why the relay program has abnormally terminated.
- The session has failed.

Module: DFHZXRL

ACUX

Explanation: Refer to the description of abend ACUL.

Module: DFHZXRL

ACUY

Explanation: The transaction routing program in the application-owning region issued a terminal control WRITE,WAIT request to the terminal-owning region, and received a nonzero return code from terminal control.

The return code is located both in TCATPAPR and in the trace entry on return from DFHZARQ.

System Action: The task is abnormally terminated with a transaction dump and an exception trace entry.

User Response: Use the transaction dump to determine why terminal control was unable to process the request. This abend code may result when:

- The relay program in the terminal-owning region terminates abnormally. In this case, determine the reason why the relay program has abnormally terminated.
- The session has failed.

Module: DFHZXRL

ACUZ

Explanation: Refer to the description of abend ACUL.

Module: DFHZXRL

ACU0

Explanation: The transaction routing program in the application-owning region issued a terminal control WRITE,LAST,WAIT request to the terminal-owning region, and received a nonzero return code from terminal control.

The return code is located both in TCATPAPR and in the trace entry on return from DFHZARQ.

System Action: The task is abnormally terminated with a transaction dump and an exception trace entry.

User Response: Use the transaction dump to determine why terminal control was unable to process the request. This abend code may result when:

- The relay program in the terminal-owning region terminates abnormally. In this case, determine the reason why the relay program has abnormally terminated.
- The session has failed.

Module: DFHZXRL

ACU1

Explanation: Refer to the description of abend ACUO.

Module: DFHZXRL

ACU2

Explanation: The transaction routing program in the application-owning region received a response from the terminal-owning region which violates CICS transaction routing protocols.

The trace from the terminal-owning region will show its response to the application-owning region.

System Action: The task is abnormally terminated with a transaction dump and an exception trace entry.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHZXRL

ACU3

Explanation: The transaction routing program in the application-owning region attempted to set the conversation state machine to a state which violates CICS transaction routing protocols.

The register containing the state can be determined from the assembler listing.

System Action: The task is abnormally terminated with a transaction dump and an exception trace entry.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHZXRL

ACU4

Explanation: The transaction routing program in the application-owning region issued a SET request to the conversation state machine and received a nonzero return code. This violates CICS transaction routing protocols.

The trace entry on return from DFHZUSR will show the request type and current state.

System Action: The task is abnormally terminated with a transaction dump and an exception trace entry.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHZXRL

ACU5

Explanation: An program running in an application-owning region has issued an ALLOCATE against an APPC device attached to a terminal owning region, but the connection between the two systems is not installed.

System Action: The task is abnormally terminated with a transaction dump and an exception trace entry.

User Response: Install the connection between the two regions.

Module: DFHZXRL

ACU6

Explanation: A request to DFHRTSU to prepare the surrogate TCTTE for syncpoint gave an unexpected response and reason code. The response and reason code are included in DFHRTSU's parameter list which is printed in the exception trace.

System Action: The task is abnormally terminated with a transaction dump and an exception trace entry.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHZXRL

ACU7

Explanation: A request to allocate a session between the application-owning region and the terminal-owning region was issued, but the connection with the remote system is not an APPC or MRO connection.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: Redefine the connection as APPC or MRO, or avoid using transaction routing on this connection.

Module: DFHZXRL

ACU8

Explanation: A request to DFHRTSU to get the recovery status of a surrogate TCTTE gave an unexpected response and reason code. The response and reason code are included in DFHRTSU's parameter list which is printed in the exception trace.

System Action: The task is abnormally terminated with a transaction dump and an exception trace entry.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHZXRL

ACU9

Explanation: A request to recovery manager to set the recovery status of a link gave an unexpected response and reason code. The response and reason code are included in DFHRMLN's parameter list which is printed in the exception trace.

System Action: The task is abnormally terminated with a transaction dump and an exception trace entry.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHZXRL

ACVA

Explanation: The transaction routing program in the terminal-owning region issued a terminal control WRITE,WAIT,READ request to the application-owning region, and received a nonzero return code from terminal control.

The return code is located both in TCATPAPR and in the trace entry on return from DFHZARQ.

System Action: The task is abnormally terminated with a transaction dump and an exception trace entry.

User Response: Use the transaction dump to determine why terminal control was unable to process the request. This abend code may result when:

- The program in the application-owning region terminates abnormally. In this case, determine the reason why the program has abnormally terminated.
- The session has failed.

Module: DFHZXRT

ACVB

Explanation: The transaction routing program in the terminal-owning region attempted to issue an ISSUE SIGNAL request on an MRO link to the application-owning region. This violates CICS transaction routing protocols.

System Action: The task is abnormally terminated with a transaction dump and an exception trace entry.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHZXRT

ACVC

Explanation: The transaction routing program in the terminal-owning region issued an ISSUE SIGNAL request on an LU 6.2 link to the application-owning region, and received a nonzero return code from terminal control.

The return code is located in the DFHLUC parameter list which is printed in the exception trace.

System Action: The task is abnormally terminated with a transaction dump and an exception trace entry.

User Response: Use the transaction dump to determine why terminal control was unable to process the request. This abend code may result when:

- The program in the application-owning region terminates abnormally. In this case, determine the reason why the program has abnormally terminated.
- The session has failed.

Module: DFHZXRT

ACVD

Explanation: The transaction routing program in the terminal-owning region issued a READ,WAIT request to the application-owning region, and received a nonzero return code from terminal control.

The return code is located both in TCATPAPR and in the trace entry on return from DFHZARQ.

System Action: The task is abnormally terminated with a transaction dump and an exception trace entry.

User Response: Use the transaction dump to determine why terminal control was unable to process the request. This abend code may result when:

- The program in the application-owning region terminates abnormally. In this case, determine the reason why the program has abnormally terminated.
- The session has failed.

Module: DFHZXRT

ACVE

Explanation: The transaction routing program in the terminal-owning region issued a WRITE request to the application-owning region, and received a nonzero return code from terminal control.

The return code is located both in TCATPAPR and in the trace entry on return from DFHZARQ.

System Action: The task is abnormally terminated with a transaction dump and an exception trace entry.

User Response: Use the transaction dump to determine why terminal control was unable to process the request. This abend code may result when:

- the program in the application-owning region terminates abnormally. In this case, determine the reason why the program has abnormally terminated.
- the session has failed.

Module: DFHZXRT

ACVF

Explanation: The transaction routing program in the terminal-owning region issued a WRITE,LAST,WAIT request to the application-owning region, and received a nonzero return code from terminal control.

The return code is located both in TCATPAPR and in the trace entry on return from DFHZARQ.

System Action: The task is abnormally terminated with a transaction dump and an exception trace entry.

User Response: Use the transaction dump to determine why terminal control was unable to process the request. This abend code may result when:

- The program in the application-owning region terminates abnormally. In this case, determine the reason why the program has abnormally terminated.
- The session has failed.

Module: DFHZXRT

ACVG

Explanation: The transaction routing program in the terminal-owning region issued a FREE request to free the session with the LU 6.2 terminal, and received a nonzero return code from terminal control.

The return code is located in the DFHLUC parameter list which is printed in the exception trace.

System Action: The task is abnormally terminated with a transaction dump and an exception trace entry.

User Response: Use the transaction dump to determine why terminal control was unable to process the request. The terminal session may have failed.

Module: DFHZXRT

ACVH

Explanation: The transaction routing program in the terminal-owning region issued a FREE request to free the session with the application-owning region, and received a nonzero return code from terminal control.

The return code is located both in TCATPAPR and in the trace entry on return from DFHZARQ.

System Action: The task is abnormally terminated with a transaction dump and an exception trace entry.

User Response: Use the transaction dump to determine why terminal control was unable to process the request. This abend code may result when:

- The program in the application-owning region terminates abnormally. In this case, determine the reason why the program has abnormally terminated.
- The session has failed.

Module: DFHZXRT

ACVK

Explanation: The transaction routing program in the terminal-owning region issued an ISSUE ABEND request on an LU 6.2 link, and received a nonzero return code from terminal control.

The return code is located in the DFHLUC parameter list which is printed in the exception trace.

System Action: The task is abnormally terminated with a transaction dump and an exception trace entry.

User Response: Use the transaction dump to determine why terminal control was unable to process the request. This abend code may result when:

- The program in the connected region terminates abnormally. In this case, determine the reason why the program has abnormally terminated.
- The session has failed.

Module: DFHZXRT

ACVL

Explanation: The transaction routing program in the terminal-owning region issued an ISSUE ABEND request on an MRO link to the application-owning region, and received a nonzero return code from terminal control.

The return code is located both in TCATPAPR and in the trace entry on return from DFHZIS1.

System Action: The task is abnormally terminated with a transaction dump and an exception trace entry.

User Response: Use the transaction dump to determine why terminal control was unable to process the request. This abend code may result when:

- The program in the application-owning region terminates abnormally. In this case, determine the reason why the program has abnormally terminated.
- The session has failed.

Module: DFHZXRT

ACVM

Explanation: The transaction routing program in the terminal-owning region issued an ISSUE ERROR request on an LU 6.2 link, and received a nonzero return code from terminal control.

The return code is located in the DFHLUC parameter list which is printed in the exception trace.

System Action: The task is abnormally terminated with a transaction dump and an exception trace entry.

User Response: Use the transaction dump to determine why terminal control was unable to process the request. This abend code may result when:

- The program in the connected region terminates abnormally. In this case, determine the reason why the program has abnormally terminated.
- The session has failed.

Module: DFHZXRT

ACVN

Explanation: The transaction routing program in the terminal-owning region issued an ISSUE ERROR request on an MRO link to the application-owning region, and received a nonzero return code from terminal control.

The return code is located both in TCATPAPR and in the trace entry on return from DFHZIS1.

System Action: The task is abnormally terminated with a transaction dump and an exception trace entry.

User Response: Use the transaction dump to determine why terminal control was unable to process the request. This abend code may result when:

- The program in the application-owning region terminates abnormally. In this case, determine the reason why the program has abnormally terminated.
- The session has failed.

Module: DFHZXRT

ACVO

Explanation: The transaction routing program in the terminal-owning region issued an ISSUE PREPARE request and received either a nonzero return code or a response which violates CICS transaction routing protocols.

The return code is located in TCASPRC and the response is located in TCASPSN1.

System Action: The task is abnormally terminated with a transaction dump and an exception trace entry.

User Response: Use the transaction dump to determine whether the problem is caused by the return code or the response. If terminal control was unable to process the request, the abend may occur when:

- The program in the connected region terminates abnormally. In this case, determine the reason why the program has abnormally terminated.
- The session has failed.

Otherwise the distributed application programs may have violated APPC conversation protocols.

Module: DFHZXRT

ACVP

Explanation: The transaction routing program in the terminal-owning region did not receive an FMH43 from the application-owning region. This violates CICS transaction routing protocols.

The trace from the application-owning region will show its response to the terminal-owning region.

System Action: The task is abnormally terminated with a transaction dump and an exception trace entry.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHZXRT

ACVQ

Explanation: The transaction routing program in the terminal-owning region issued a request to the APPC terminal, and received a nonzero return code from terminal control.

Both the request and the return code are located in the DFHLUC parameter list which is printed in the exception trace.

System Action: The task is abnormally terminated with a transaction dump and an exception trace entry.

User Response: Use the transaction dump to determine why terminal control was unable to process the request. The terminal session may have failed or be in the wrong state, for example, as the result of both the terminal and application issuing SYNCPOINT ROLLBACK at the same time.

Module: DFHZXRT

ACVR

Explanation: The transaction routing program in the terminal-owning region issued a SEND,LAST,WAIT request to the LU 6.2 terminal, and received a nonzero return code from terminal control.

The return code is located in the DFHLUC parameter list which is printed in the exception trace.

System Action: The task is abnormally terminated with a transaction dump and an exception trace entry.

User Response: Use the transaction dump to determine why terminal control was unable to process the request. The terminal session may have failed.

Module: DFHZXRT

ACWA

Explanation: CICS CWTO transaction has failed because the task does not own a terminal (TCTTE) as its principal facility. This has probably happened because CWTO has been started as an EXEC CICS START transid without a terminal ID.

System Action: The transaction is abnormally terminated without a transaction dump.

User Response: Retry with a terminal ID value or enter CWTO from a terminal.

Module: DFHCWTO

ACXA

Explanation: The catch-up transaction, CXCU, has failed. CXCU runs either in response to a transaction request from an end-user, or is run automatically by an active CICS system in response to the appearance of an alternative CICS system. Its purpose is to inform the alternate system of the active system's state regarding terminals and DBCTL connection.

System Action: The catch-up transaction, CXCU, is abnormally terminated with a CICS transaction dump. Both active and alternate CICS systems continue, but the alternate CICS system is less effective in the event of a takeover. For example, terminal back-up sessions may not be established. This abend is accompanied by DFHDX8313.

User Response: Retry by entering 'CXCU' from a terminal. If the error persists, diagnose the problem from the dump.

Module: DFHCXCU

ADCA

Explanation: This abend is issued if DBCTL returns a non-zero response code when a DL/I request has been issued from an application program.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: Look up accompanying message DFHDB8109 that appears on the CDBC transient data destination.

Module: DFHDLIDP

ADCB

Explanation: This abend occurs when DBCTL has notified CICS that a task has issued a DL/I request, but it did not have a PSB scheduled. If your application does have a PSB scheduled then a possible cause for this abend is that the DBCTL STOP THREAD command may have been used to terminate the DBCTL thread that corresponds to this task.

System Action: CICS abnormally terminates the transaction with a transaction dump. CICS processing continues.

User Response: Check if the DBCTL operator has issued a STOP THREAD command for the task that has abnormally terminated. Look up DBCTL response code 28 in the DBCTL return code section of the *IMS Messages and Codes* manual.

Module: DFHDLIDP

ADCC

Explanation: This abend occurs when DBCTL has notified CICS that a task has issued program specification block (PSB) request, but it has a PSB already scheduled. CICS prevents a task from issuing a PSB schedule request to DBCTL when it has already issued a PSB schedule request by returning a PSBSCH response in UIBDLTR. However, in this case it is DBCTL that has rejected the subsequent PSB schedule request. A possible cause for this abend is a storage over-write.

System Action: CICS abnormally terminates the transaction with a transaction dump. CICS processing continues.

User Response: Check for any messages issued from your CICS system indicating that storage over-writes have taken place. Look up DBCTL response code 32 in the DBCTL return code section of the *IMS Messages and Codes* manual.

Module: DFHDLIDP

ADCD

Explanation: This abend is issued when a deadlock has been detected by IMS and this transaction has been selected for abnormal termination.

This abend can occur when a transaction is accessing IMS resources via DBCTL or via a remote DLI request to a remote CICS region. The remote CICS region can be accessing IMS via DBCTL, or if it is a pre CICS 4.2 region, accessing IMS via local DLI.

System Action: CICS abnormally terminates the transaction with a transaction dump. CICS processing continues.

User Response: If ADCD abends occur infrequently in your system, no action is required although you may like to consider setting your system up in such a way that, after an ADCD abend is issued, the transaction is automatically restarted. See the *CICS Recovery and Restart Guide* for further information.

If ADCD abends are occurring frequently in your system, you may need to review the design of your applications. Some general techniques for deadlock avoidance are described in the *CICS Recovery and Restart Guide*.

Module: DFHDLIDP

ADCE

Explanation: This abend is issued when the module DFHDBAT returns a nonzero return code in reply to a DL/I request issued from an application program to DBCTL. DFHDBAT is a task related user exit and forms part of the CICS-DBCTL interface. This abend is accompanied by message DFHDB8110.

System Action: CICS abnormally terminates the transaction with a transaction dump. CICS processing continues.

User Response: Look up the accompanying message DFHDB8110 that appears on the CDBC transient data destination.

Module: DFHDLIDP

ADCI

Explanation: This abend is issued when IMS returns a user abend 3303 response for a DL/I request issued from an application program.

System Action: CICS abnormally terminates the transaction with a transaction dump. CICS processing continues.

User Response: Check the description in the *IMS Messages and Codes* manual for the meaning of IMS user abend 3303.

Module: DFHDLIDP

ADCJ

Explanation: This abend is issued when an application has been using DBCTL, and while the application was still scheduled to DBCTL, the CICS-DBCTL interface was terminated.

System Action: CICS abnormally terminates the transaction with a transaction dump. CICS processing continues.

User Response: Check the CDBC transient data destination for messages indicating the reason for termination of the CICS-DBCTL interface. If you do not know where the CDBC transient is, then please check with your system programmer. Check for messages issued from the DBCTL system.

Module: DFHDLIDP

ADCP

Explanation: When checking the DBCTL program specification block (PSB), the external security manager checked the usage of the PSB, and found that:

- The user was unauthorized to access the PSB, or
- The PSB was unknown to the external security manager, or
- The user was set to the capability of the default user.

The meaning of the term “user” in the above context depends on the way the transaction was invoked.

- If the transaction is being run from a local terminal, or has been routed from a remote terminal, the user is the terminal user. (For a routed transaction, if PSBCHK=NO is specified in the SIT, or RESSEC=NO is specified in the transaction definition (CEDA DEFINE TRANSACTION command), the security manager does *not* check the terminal user.)
- If the transaction is being run as a result of a request from another CICS MRO region, the user is the owner of the other CICS system (as defined to the external security manager in the JOB statement of the initializing JCL).
- If the transaction is being run as a result of a request from a connected ISC system, the user is defined in the SECURITYNAME operand of the installed CONNECTION definition that defines the link between the remote system and the local system. Ensure that the name in the SECURITYNAME operand is the same as that supplied by the connected CICS system. This will depend upon the type of CONNECTION between the two systems. For further information about this, refer to the *CICS Intercommunication Guide*.

Notes.

By the above definitions, a PSB used by a routed transaction has two users, the terminal user and the communicating region. Therefore, for routed transactions, the external security manager makes two checks, on the terminal user (as qualified in 1 above), and on the communicating region (2 or 3 above).

System Action: CICS abnormally terminates the task attempting to schedule the PSB. CICS processing continues.

User Response: Ensure that the PSB is defined to the external security manager, and that all users have the correct level of authorization. If the system setup is correct, note the security violation.

Module: DFHDLIDP

ADCQ

Explanation: This abend occurs when an application has issued an EXEC DLI SCHD request for a PSB that contains no DBPCBs, and the SYSSERVE keyword was not specified. This abend also occurs when an application has issued a PCB request for a PSB that contains no DBPCBs, and the IOPCB option was not specified.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: Check that the application program has scheduled the appropriate PSB.

Module: DFHDLIDP

ADCR

Explanation: This abend occurs when an application has issued a DL/I request other than a schedule request, and the DBCTL DRA return code of 40 indicates that there was no active communication with DBCTL.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: Check the CDBC transient data destination for messages indicating the reason for termination of the CICS-DBCTL interface. If you do not know where the CDBC transient data destination is, check with your system programmer. Check for messages issued from the DBCTL system.

Module: DFHDLIDP

ADCS

Explanation: CICS issued a single-phase commit request to DBCTL and an unexpected response was returned from DBCTL.

System Action: CICS issues message DFHDB8119 to transient data queue CDBC, then terminates the task abnormally with a CICS transaction dump.

User Response: Message DFHDB8119 shows the unexpected response from DBCTL, along with the recovery token of the LUW involved. The explanation of message DFHDB8119 indicates how the outcome of the LUW can be determined.

Module: DFHDBAT

ADCT

Explanation: A user has attempted to invoke the CICS-DBCTL control transaction from a terminal.

System Action: CICS rejects the request.

User Response: Do not try to invoke CICS internal transactions directly.

Module: DFHDBCT

ADDA

Explanation: An error (INVALID or DISASTER response) has occurred on a call to the storage manager domain. The domain that detected the original error provides an exception trace, a console message, and possibly a system dump (depending on the options in the dump table).

System Action: The task is abnormally terminated with a CICS transaction dump (depending on the options in the dump table).

User Response: See related message from the domain that detected the original error.

Modules: DFHDBME, DFHDLI, DFHDLIDP

ADDB

Explanation: An error (INVALID or DISASTER response) has occurred on a call to the catalog (CC) domain. The domain that detected the original error provides an exception trace, a console message, and possibly a system dump (depending on the options in the dump table).

System Action: The task is abnormally terminated with a CICS transaction dump (depending on the options in the dump table).

User Response: See related message from the domain that detected the original error.

Modules: DFHDBCON, DFHDBDSC

ADDC

Explanation: An error (INVALID or DISASTER response) has occurred on a call to the loader (LD) domain. The domain that detected the original error will have provided an exception trace, a console message, and possibly a system dump (depending on the options in the dump table).

System Action: The task is abnormally terminated with a CICS transaction dump (depending on the options in the dump table).

User Response: See related message from the domain that detected the original error.

Modules: DFHDBCON, DFHDBDI

ADDI

Explanation: CICS has been notified of a DBCTL failure. However, it has been unable to complete the search for a DBCTL alternate. This is possibly due to an unexpected return code from an IEFSSREQ request.

System Action: A CICS transaction dump is produced. CICS continues as if no XRF DBCTL alternate has been found. This abend is accompanied by message DFHDX8323.

User Response: Refer to message DFHDX8323 for further information. It may be necessary to restart DBCTL manually.

Module: DFHDBCT

ADDJ

Explanation: CICS has failed to connect to DBCTL because program DFHDBAT could not be ENABLED.

System Action: A CICS transaction dump is produced. The state of the CICS/DBCTL interface remains not connected.

User Response: Refer to the transaction dump to determine why the ENABLE failed.

Module: DFHDBCON

ADEF

Explanation: A severe error has been encountered when executing transaction CLS3.

System Action: CLS3 is abnormally terminated with a transaction dump. CICS issues message DFHZC4948.

User Response: See message DFHZC4948 for further guidance.

Module: DFHCLS3

ADIR

Explanation: The abend code is issued for either of the following reasons:

- A DFHDI or DFHBMS request was issued when the DFHDIP program was generated as a dummy.
- A DFHDI TYPE=RECEIVE or TYPE=NOTE was attempted but the transaction identification did not specify either INBFMH=DIP or INBFMH=ALL.

System Action: A CICS transaction dump is provided to assist in problem determination.

User Response: Either generate a DFHDIP program into the system or specify INBFMH correctly on the profile definition.

Module: DFHDIP

ADLE

Explanation: A DL/I request was made for a remote database, but the system named in the remote PDIR entry was unknown to CICS, that is, not specified in a DFHTCT TYPE=SYSTEM macro or CEDA DEFINE CONNECTION command.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: Either correct the SYSIDNT parameter in the relevant DFHDLPSB entry, or define the remote system to CICS with a DFHTCT TYPE=SYSTEM macro or a CEDA DEFINE CONNECTION command.

Module: DFHDLIRP

ADLF

Explanation: A DL/I request was made for a remote database, but the link to the system on which the database resides was down.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: Notify the system programmer. Once the link to the remote system has been reestablished, resubmit the transaction.

Module: DFHDLIRP

ADLG

Explanation: A DL/I request was made for a remote database, but there were errors in the DL/I argument list that was provided by the user.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: Ensure that any errors in the DL/I argument are corrected.

Module: DFHDLIRP

ADLP

Explanation: When checking the DLI program specification block (PSB), the external security manager checked the usage of the PSB, and found that:

- The user was unauthorized to access the PSB, or
- The PSB was unknown to the external security manager, or
- The user was set to the capability of the default user.

The meaning of the term “user” in the above context depends on the way the transaction was invoked.

- If the transaction is being run from a local terminal, or has been routed from a remote terminal, the user is the terminal user. (For a routed transaction, if PSBCHK=NO is specified in the SIT, or RESSEC=NO is specified in the transaction definition (CEDA DEFINE TRANSACTION command), the security manager does *not* check the terminal user.)
- If the transaction is being run as a result of a request from another CICS MRO region, the user is the owner of the other CICS system (as defined to the external security manager in the JOB statement of the initializing JCL).
- If the transaction is being run as a result of a request from a connected ISC system, the user is defined in the SECURITYNAME operand of the installed CONNECTION definition that defines the link between the remote system and the local system. Ensure that the name in the SECURITYNAME operand is the same as that supplied by the connected CICS system. This will depend upon the type of CONNECTION between the two systems. For further information about this, refer to the *CICS Intercommunication Guide*.

Note: By the above definitions, a PSB used by a routed transaction has two users, the terminal user and the communicating region. Therefore, for routed transactions, the external security manager makes two checks, on the terminal user (as qualified in 1 above), and on the communicating region (2 or 3 above).

System Action: The task attempting to schedule the PSB abnormally terminates.

User Response: Ensure that the PSB is defined to the external security manager, and that all users have the correct level of authorization. If the system setup is correct, note the security violation.

Module: DFHDLIRP

ADMA

Explanation: The alternate CICS task responsible for tracking the DBCTL connection status of the active CICS has received an error from the CICS Availability Manager (CAVM) message input service.

System Action: The tracking transaction terminates with a CICS transaction dump. No further action is taken in response to DBCTL status changes. The global exits, XXDFB and XXDTO, are never invoked and no attempt at a DBCTL restart is made in the event of a takeover. This abend is accompanied by DFHDX8331.

User Response: Check for any other messages relating the CAVM dataset problems. In the event of a takeover, it may be necessary to restart DBCTL manually.

Module: DFHDBCR

ADMB

Explanation: The CICS/XRF DBCTL tracking task has received an unrecognizable message from the CICS/XRF message manager. This abend is preceded by message DFHDX8333.

System Action: The CICS/XRF DBCTL tracking task abends.

User Response: Refer to the instructions for message DFHDX8333.

Module: DFHDBCR.

ADMD

Explanation: The alternate CICS system task responsible for tracking the DBCTL connection status of the active CICS has been unable to complete its search for a DBCTL alternate, possibly due to an unexpected return code from an IEFSSREQ request.

System Action: A CICS transaction dump is produced. The tracking transaction continues as if no DBCTL alternate had been found. This abend is accompanied by message DFHDX8335.

User Response: Refer to message DFHDX8335 for further information. It may be necessary to restart DBCTL manually.

Module: DFHDBCR.

ADPL

Explanation: A server program has issued a command which is restricted in the distributed program link (DPL) environment. Certain API and CPI-RR requests, and the DL/I terminate request are not allowed in the DPL environment. See the *CICS Application Programming Guide* for a list of these restricted commands.

A server program is a program which has been remotely linked, or a program defined to run with the DPL subset.

System Action: CICS abends the transaction with a transaction dump.

User Response: Remove the restricted commands from the server program, or run the server program locally.

Module: DFHEIP, DFHCPIR, DFHDLI

ADPM

Explanation: An application program has issued a CALL AIBTDLI request for a function type that is not supported by CICS. The CALL AIBTDLI interface can only be used to issue operator commands to DBCTL in CICS with function types of ICMD, RCMD and GMSG. For all other function types, the EXEC DLI, CALL ASMTDLI, CALL CBLTDLI or CALL PLITDLI interfaces must be used.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: Correct the application program to use the correct application programming interface.

Module: DFHDLI

ADXA

Explanation: The XRF DBCTL state catch-up transaction, DXCU, has failed.

System Action: DXCU is abnormally terminated with a CICS transaction dump. This abend is accompanied by DFHDX8319.

User Response: Diagnose the error from the CICS transaction dump. Refer to DFHDX8319 for further information.

Module: DFHDXCU

ADXB

Explanation: The XRF DBCTL state catch-up transaction, DXCU, has failed.

System Action: DXCU is abnormally terminated with a CICS transaction dump. This abend is accompanied by DFHDX8318.

User Response: Use the dump to help diagnose the problem. Refer to DFHDX8318 for further information. Check for any other messages relating to CICS availability manager (CAVM) data set problems.

Module: DFHDXCU

AD2A

Explanation: An error (INVALID, DISASTER or unexpected EXCEPTION response) has occurred on a LOCK call to the lock manager (LM) domain. A console message is output, an exception trace written and, possibly, a system dump taken (depending on the options specified in the dump table).

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHD2EX1

AD2B

Explanation: An error (INVALID, DISASTER or unexpected EXCEPTION response) has occurred on an UNLOCK call to the lock manager (LM) domain. A console message is output, an exception trace written and, possibly, a system dump taken (depending on the options specified in the dump table).

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHD2EX1

AD2C

Explanation: An unexpected EXCEPTION response has occurred on a locate call to directory manager (DD) domain to locate a DB2TRAN control block. A console message is output, an exception trace written and, possibly, a system dump taken (depending on the options specified in the dump table).

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHD2EX1

AD2D

Explanation: An error (INVALID or DISASTER response) has occurred on a locate call to directory manager (DD) domain to locate a DB2TRAN control block. A console message is output, an exception trace written and, possibly, a system dump taken (depending on the options specified in the dump table).

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHD2EX1

AD2E

Explanation: An unexpected EXCEPTION response has occurred on a locate call to directory manager (DD) domain to locate a DB2ENTRY control block. A console message is output, an exception trace written and, possibly, a system dump taken (depending on the options specified in the dump table).

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHD2EX1

AD2F

Explanation: An error (INVALID or DISASTER response) has occurred on a locate call to directory manager (DD) domain to locate a DB2ENTRY control block A console message is output, an exception trace written and, possibly, a system dump taken (depending on the options specified in the dump table).

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHD2EX1

AD2G

Explanation: A transaction attempted to use a DB2ENTRY that is DISABLED or is DISABLING. The DISABLEDACT attribute of the DB2ENTRY specified ABEND meaning that new transactions that attempt to use the DB2ENTRY should be abended.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: Use CEMT INQ DB2TRAN TRANSID(tttt) where tttt is the transid, to determine the name of the DB2ENTRY involved. Re-enable the DB2ENTRY or discard the DB2ENTRY so that the transid will use a pool thread.

Module: DFHD2EX1

AD2H

Explanation: The CICS-DB2 attachment facility detected that a dynamic plan exit program abended.

System Action: CICS trapped the abend from the dynamic plan exit, issued message DFHDB2050, and then abnormally terminated the task with a CICS transaction dump.

User Response: See the associated DFHDB2050 transient data message to determine the abend code with which the dynamic plan exit program abended. Determine why the exit program abended.

Module: DFHD2EX1

AD2I

Explanation: The CICS-DB2 attachment facility failed to link to a dynamic plan exit program because it was not link edited AMODE 31.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: See the associated DFHDB2051 transient data message to determine the name of the dynamic plan exit program involved. Re-linkedit the dynamic plan exit program AMODE 31.

Module: DFHD2EX1

AD2J

Explanation: The CICS-DB2 attachment facility failed to link to a dynamic plan exit program because it is disabled.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: See the associated DFHDB2053 transient data message to determine the name of the dynamic plan exit program involved. Enable the dynamic plan exit program.

Module: DFHD2EX1

AD2K

Explanation: The CICS-DB2 attachment facility failed to link to a dynamic plan exit program because no program definition was found.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: See the associated DFHDB2057 transient data message to determine the name of the dynamic plan exit program involved. Ensure that the dynamic plan exit program has been correctly defined to CICS.

Module: DFHD2EX1

AD2L

Explanation: The CICS-DB2 attachment facility failed to link to a dynamic plan exit program because the program could not be loaded.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: See the associated DFHDB2058 transient data message to determine the name of the dynamic plan exit program involved. Ensure that the dynamic plan exit program has been correctly defined and is in a load library accessible to CICS.

Module: DFHD2EX1

AD2M

Explanation: The CICS-DB2 attachment facility failed to link to a dynamic plan exit program because the program is defined as remote.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: See the associated DFHDB2066 transient data message to determine the name of the dynamic plan exit program involved. Correct the program definition for the dynamic plan exit program so that it is defined as local.

Module: DFHD2EX1

AD2N

Explanation: The CICS-DB2 attachment facility failed to link to a dynamic plan exit program.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: See the associated DFHDB2054 transient data message to determine the name of the dynamic plan exit program involved. Examine the transaction dump to determine why the link failed.

Module: DFHD2EX1

AD2O

Explanation: An error (INVALID, DISASTER or unexpected EXCEPTION response) has occurred on an WAIT_MVS call to the dispatcher (DS) domain. A console message is output, an exception trace written and, possibly, a system dump taken (depending on the options specified in the dump table).

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHD2EX1

AD2P

Explanation: The transaction was unable to obtain a DB2 thread from a DB2ENTRY or the pool. See the associated transient data message DFHDB2011 to determine which DB2ENTRY was involved or whether it was the pool. The transaction was abended because the DB2ENTRY or the pool specified threadwait(no) meaning do not wait for a thread if all threads are currently in use. Note if message DFHDB2011 indicates that the pool was being used, it means the transaction was using the pool directly rather than overflowing to the pool. (An abend AD3T is produced when a transaction overflows to the pool and no pool threads are available.)

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: Determine whether more threads should be allocated to the DB2ENTRY or the pool, or whether the number of instances of this transaction should be limited using TRANCLASS.

Module: DFHD2EX1

AD2Q

Explanation: An error (INVALID, DISASTER or unexpected EXCEPTION response) has occurred on an getmain call to the storage manager (SM) domain. A console message is output, an exception trace written and, possibly, a system dump taken (depending on the options specified in the dump table).

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHD2EX1

AD2R

Explanation: The CICS-DB2 subtask processing the DB2 request for this transaction has abended. An exception trace is written containing the MVS abend code and reason code as well as the relevant CICS-DB2 control blocks used by the CICS task and the CICS-DB2 subtask.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: Examine the trace in the CICS transaction dump to determine why the CICS-DB2 subtask abended.

Module: DFHD2EX1

AD2S

Explanation: The subtask servicing the DB2 request for the transaction issued a sign-on request to DB2 which failed. The installed DB2CONN specifies THREADERROR(N906D) or THREADERROR(ABEND).

System Action:

If THREADERROR(N906D) is specified in the DB2CONN, processing continues. A -906 sqlcode is returned to the application, and a transaction dump is taken with abend code AD2S.

If THREADERROR(ABEND) is specified in the DB2CONN, the task is abnormally terminated with a CICS transaction dump.

User Response: Examine the AUTHID or AUTHTYPE parameter of the DB2ENTRY or pool used for the transaction. Ensure the id is authorised to access the plan in DB2.

Module: DFHD2EX1

AD2T

Explanation: An attempt to create a DB2 thread by the subtask servicing the DB2 request for the transaction failed with DB2 reason code 00F30040. The installed DB2CONN specifies THREADERROR(N906D) or THREADERROR(ABEND).

System Action:

If THREADERROR(N906D) is specified in the DB2CONN, processing continues. A -906 sqlcode is returned to the application and a transaction dump is taken with abend code AD2T.

If THREADERROR(ABEND) is specified in the DB2CONN, the task is abnormally terminated with a CICS transaction dump.

User Response: Either the plan is unavailable or is not known to DB2.

Module: DFHD2EX1

AD2U

Explanation: An attempt to create a DB2 thread by the subtask servicing the DB2 request failed. The installed DB2CONN specifies THREADERROR(N906D) or THREADERROR(ABEND).

System Action:

If THREADERROR(N906D) is specified in the DB2CONN, processing continues. A -906 sqlcode is returned to the application and a transaction dump is taken with abend code AD2U.

If THREADERROR(ABEND) is specified in the DB2CONN, the task is abnormally terminated with a CICS transaction dump.

User Response: Examine the dump to determine why the create thread failed.

Module: DFHD2EX1

AD2V

Explanation: The CICS-DB2 attachment facility issued a commit or end request to DB2 but received an 00F30805 reason code indicating that connection to DB2 has been lost. This is due to DB2 terminating abnormally or being in the process of terminating abnormally. The commit or end request may have been processed or DB2 may not have received the request and hence is still indoubt. The CICS-DB2 attachment facility instructs CICS to remember the outcome of the UOW pending resynchronisation which will happen when CICS and DB2 are reconnected.

System Action: The transaction completes normally but a transaction dump is taken with abend code AD2V. If DB2 is indoubt about the outcome of the UOW it will be resolved when CICS and DB2 are reconnected.

User Response: Contact your system programmer to restart the DB2 subsystem.

Module: DFHD2EX1

AD2W

Explanation: The CICS-DB2 attachment facility issued a single-phase commit call to DB2 but received an unexpected response. Transient data message DFHDB2055 details the DB2 reason code received. The commit request may have been processed or it may have been ended. There is no resynchronisation needed, as no CICS recoverable resources were updated.

System Action: The CICS-DB2 attachment facility abnormally terminates the transaction with abend code AD2W. The CICS recovery manager will supersede the AD2W abend code with abend code ASPR. A transaction dump is taken.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHD2EX1

AD2X

Explanation: The CICS-DB2 attachment facility detected that the CICS task and thread subtask were in an invalid state. A console message is output, an exception trace written and, possibly, a system dump taken (depending on the options specified in the dump table).

System Action: The task is abnormally terminated with a transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHD2EX1

AD2Y

Explanation: The transaction was unable to obtain a DB2 thread from a DB2ENTRY or the pool because there were no TCBs available on which to create the thread. The number of subtask TCBs currently running is at the TCBLIMIT defined in the DB2CONN. Message DFHDB2010 is output to transient data. The transaction was abended because either:

- The DB2ENTRY specifies threadwait(no), meaning do not wait for a thread, including having to wait to create a thread because a TCB is not available - that is, do not wait for a TCB either.
- The DB2ENTRY specified threadwait(pool), but the pool definition within the DB2CONN specifies threadwait(no), and again there were no TCBs available.
- The transaction was using the pool directly, the pool specifies threadwait(no) and no TCB was available.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: Determine whether TCBLIMIT should be increased or whether the number of transactions using DB2 at any one instance should be limited using transaction classes.

Module: DFHD2EX1

AD2Z

Explanation: DB2 detected a deadlock and the CICS-DB2 attachment facility attempted a syncpoint rollback command for the transaction as DROLLBACK(YES) was specified for the DB2ENTRY or POOL. The syncpoint rollback command failed. Message DFHDB2070 is output to transient data detailing the transid involved and the EIBRESP2 from the failed syncpoint rollback command.

System Action: The transaction is abnormally terminated with a transaction dump.

User Response: Examine the eibresp2 value to determine why the syncpoint rollback request failed. One possible reason could be that the transaction running is a DPL server transaction which was DPLed to by a client transaction without specifying the SYNCONRETURN parameter. In this case syncpoints, or syncpoint rollbacks, cannot be taken by the server transaction, so DROLLBACK(YES) is invalid in this case.

Module: DFHD2EX1

AD21

Explanation: The CICS-DB2 attachment facility received a request for a resource manager with the incorrect name. Message DFHDB2045 is output to transient data detailing the invalid name.

System Action: The transaction is abnormally terminated with a transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHD2EX1

AD22

Explanation: The CICS-DB2 attachment facility EDF processor was unable to interpret the SQL request.

System Action: The command is not interpreted by EDF. A CICS transaction dump is taken with abend code AD22.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHD2EDF

AD23

Explanation: An error (INVALID, DISASTER or unexpected EXCEPTION response) has occurred on a LOCK call to the lock manager (LM) domain made by the CICS-DB2 attachment facility service transaction CEX2. A console message is output, an exception trace written and, possibly, a system dump taken (depending on the options specified in the dump table).

System Action: The CICS-DB2 service task initiates a force shutdown of the CICS-DB2 interface.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHD2EX2

AD24

Explanation: An error (INVALID, DISASTER or unexpected EXCEPTION response) has occurred on an UNLOCK call to the lock manager (LM) domain made by the CICS-DB2 attachment facility service transaction CEX2. A console message is output, an exception trace written and, possibly, a system dump taken (depending on the options specified in the dump table).

System Action: The CICS-DB2 Service task initiates a force shutdown of the CICS-DB2 interface.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHD2EX2

AD25

Explanation: An error (INVALID, DISASTER or unexpected EXCEPTION response) has occurred on a LOCK call to the lock manager (LM) domain made by the CICS-DB2 attachment facility while processing a DSNC command. A console message is output, an exception trace written and, possibly, a system dump taken (depending on the options specified in the dump table).

System Action: The DSNC command fails and the transaction is abnormally terminated with a transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHD2CC

AD26

Explanation: An error (INVALID, DISASTER or unexpected EXCEPTION response) has occurred on an UNLOCK call to the lock manager (LM) domain made by the CICS-DB2 attachment facility while processing a DSNC command. A console message is output, an exception trace written and, possibly, a system dump taken (depending on the options specified in the dump table).

System Action: The DSNC command fails and the transaction is abnormally terminated with a transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHD2CC

AD27

Explanation: The CICS-DB2 attachment facility attempted to attach a subtask on which a DB2 thread was to be created to service the SQL request from the application. The attach of the subtask failed due to lack of storage.

System Action: The transaction is abnormally terminated with a transaction dump.

User Response: Increase the size of the CICS region or lower the TCBLIMIT value specified in the DB2CONN.

Module: DFHD2EX1

AD28

Explanation: The CICS-DB2 attachment facility attempted to attach a subtask on which a DB2 thread was to be created to service the SQL request from the application. The attach of the subtask failed.

System Action: The transaction is abnormally terminated with a transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHD2EX1

AD29

Explanation: The CICS-DB2 attachment facility was unable to link to its EDF processor DFHD2EDF.

System Action: The command is not interpreted by EDF. Message DFHDB2048 is output to transient data and a transaction dump is taken with abend code AD29.

User Response: Examine the trace in the CICS transaction dump to determine why the link to module DFHD2EDF failed.

Module: DFHD2EDF

AD3A

Explanation: An error (INVALID, DISASTER or unexpected EXCEPTION response) has occurred on a LOCK call to the lock manager (LM) domain made by the CICS-DB2 attachment facility startup program. A console message is output, an exception trace written and, possibly, a system dump taken (depending on the options specified in the dump table).

System Action: Startup of the CICS-DB2 interface is terminated, and the interface is closed. The task is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHD2STR

AD3B

Explanation: An error (INVALID, DISASTER or unexpected EXCEPTION response) has occurred on an UNLOCK call to the lock manager (LM) domain made by the CICS-DB2 Attachment facility startup program. A console message is output, an exception trace written and, possibly, a system dump taken (depending on the options specified in the dump table).

System Action: Startup of the CICS-DB2 interface is terminated, and the interface is closed. The task is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHD2STR

AD3D

Explanation: An unexpected response was received while attempting to delete a record from a temporary storage queue during processing of a DSNC STRT command. A console message is output, an exception trace written and, possibly, a system dump taken (depending on the options specified in the dump table).

System Action: The DSNC STRT command fails. The task is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHD2CM1

AD3G

Explanation: An unexpected response was received from an EXEC CICS GETMAIN issued during processing of a CICS-DB2 DSNC command. A console message is output, an exception trace written and, possibly, a system dump taken (depending on the options specified in the dump table).

System Action: The DSNC command fails. The task is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHD2CM1

AD3I

Explanation: An unexpected response was received from an EXEC CICS INQUIRE DB2CONN command issued during startup of the CICS-DB2 interface. A console message is output, an exception trace written and, possibly, a system dump taken (depending on the options specified in the dump table).

System Action: Startup of the CICS-DB2 interface is terminated, and the interface is closed. The task is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHD2CM1

AD3M

Explanation: An unexpected error occurred during processing of a DSNC MODIFY command. A console message is output, an exception trace written and, possibly, a system dump taken (depending on the options specified in the dump table).

System Action: The DSNC MODIFY command fails. The task is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHD2CM1

AD3P

Explanation: An unexpected error occurred during processing of a DSNC STOP command. A console message is output, an exception trace written and, possibly, a system dump taken (depending on the options specified in the dump table).

System Action: The DSNC STOP command fails. The task is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHD2CM1

AD3Q

Explanation: An unexpected response was received while attempting to read a record from a temporary storage queue during processing of a DSNC STRT command. A console message is output, an exception trace written and, possibly, a system dump taken (depending on the options specified in the dump table).

System Action: The DSNC STRT command fails. The task is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHD2CM1

AD3R

Explanation: An unexpected response was received while attempting to read a record from a temporary storage queue during startup of the CICS-DB2 interface. A console message is output, an exception trace written and, possibly, a system dump taken (depending on the options specified in the dump table).

System Action: Startup of the CICS-DB2 interface is terminated, the interface is closed. The task is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHD2STR

AD3S

Explanation: An unexpected response was received from an EXEC CICS SET DB2CONN command issued during startup of the CICS-DB2 interface. A console message is output, an exception trace written and, possibly, a system dump taken (depending on the options specified in the dump table).

System Action: Startup of the CICS-DB2 interface is terminated, and the interface is closed. The task is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHD2CM1

AD3T

Explanation: The transaction was unable to obtain a DB2 thread from the pool. Message DFHDB2011 is output to transient data. The transaction was abended because the transaction tried using a DB2ENTRY but all threads were in use on the DB2ENTRY, and despite threadwait(pool) being specified, all threads in the pool were also in use. The pool definition within the DB2CONN specifies threadwait(no).

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: Determine whether more threads should be allocated to the DB2ENTRY or the pool, or whether the number of instances of this transaction should be limited using TRANCLASS.

Module: DFHD2EX1

AD3U

Explanation: An error (INVALID or DISASTER response) has occurred on a locate call to transaction manager (XM) domain to locate a transaction definition. A console message is output, an exception trace written and, possibly, a system dump taken (depending on the options specified in the dump table).

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHD2EX1

AD3W

Explanation: An unexpected response was received while attempting to write a record to a temporary storage queue during startup of the CICS-DB2 interface. A console message is output, an exception trace written and, possibly, a system dump taken (depending on the options specified in the dump table).

System Action: Startup of the CICS-DB2 interface is terminated, and the interface is closed. The task is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHD2STR

AD3X

Explanation: An unexpected response was received while attempting to write a record to a temporary storage queue during processing of a DSNC STRT command. A console message is output, an exception trace written and, possibly, a system dump taken (depending on the options specified in the dump table).

System Action: The DSNC STRT command fails. The task is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHD2CM1

AD3Z

Explanation: The CICS-DB2 subtask processing the DB2 request for this transaction has abended because the DB2 adapter is being shutdown.

System Action: The task is abnormally terminated.

User Response: If this abend should occur at CICS or DB2 shutdown then it can be ignored, because the DB2 adapter is abending the task as part of shutdown processing, otherwise you will need assistance from IBM.

Module: DFHD2EX1

AEC1

Explanation: An attempt has been made to use the Command Level Interpreter (CECI) or the Enhanced Master Terminal (CEMT) or an RDO (CEDA, CEDB, CEDC) transaction on a terminal that is not supported.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: Use a terminal that is supported by the Command Level Interpreter, Enhanced Master Terminal, or RDO transaction.

Modules: DFHECIP, DFHECSP, DFHEMTP, DFHESTP, DFHEOTP, DFHEDAP

AEC2

Explanation: An attempt has been made to use the Command Level Interpreter (CECI) or the Enhanced Master Terminal (CEMT) or an RDO (CEDA, CEDB, CEDC) transaction on a display terminal of size less than 24 X 80.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: Use a display terminal that is supported by the Command Level Interpreter or Enhanced Master Terminal or RDO transaction.

Modules: DFHECIP, DFHECSP, DFHEMTP, DFHESTP, DFHEOTP, DFHEDAP

AEC3

Explanation: An unsuccessful attempt has been made to call VS COBOL II to initialize a thread (for the first VS COBOL II program in a CICS transaction).

System Action: The transaction is abnormally terminated. The program is disabled.

User Response: Check your library setup to ensure that all of the VS COBOL II interface modules are present.

Module: DFHAPLI

AEC4

Explanation: An unsuccessful attempt has been made to call VS COBOL II to initialize a run-unit (for any VS COBOL II program in a CICS transaction).

System Action: The transaction is abnormally terminated. The program is disabled.

User Response: Check your library setup to ensure that all of the VS COBOL II interface modules are present.

Module: DFHAPLI

AEC5

Explanation: An unexpected error has been encountered by C/370 during the THREAD INITIALIZATION phase while attempting to execute a C language program.

System Action: The return code received from C/370 is placed into the field EIBRESP2; then the transaction is abnormally terminated. The program is disabled.

User Response: Refer to the error message(s) provided by C/370 to determine the cause of the problem.

Module: DFHAPLI

AEC6

Explanation: An unexpected error has been encountered by C/370 during the RUNUNIT INITIALIZATION phase while attempting to execute a C language program.

System Action: The return code received from C/370 is placed into the field EIBRESP2; then the transaction is abnormally terminated. The program is disabled.

User Response: Refer to the error message(s) provided by C/370 to determine the cause of the problem.

Module: DFHAPLI

AEC7

Explanation: Language Environment/370 has encountered an unexpected error during the THREAD INITIALIZATION phase while attempting to execute a Language Environment/370 enabled program. The return code received from Language Environment/370 is placed into the field EIBRESP2.

System Action: Message DFHAP1200 is issued and the transaction is abnormally terminated. The program is disabled.

User Response: Refer to the error message or messages issued by Language Environment/370 to determine the cause of the problem.

Module: DFHAPLI

AEC8

Explanation: Language Environment/370 has encountered an unexpected error during the RUNUNIT INITIALIZATION phase while attempting to execute a Language Environment/370 enabled program.

System Action: The return code received from Language Environment/370 is placed into the field EIBRESP2. Message DFHAP1200 is issued and the transaction is abnormally terminated. The program is disabled.

User Response: Refer to the error message or messages issued by Language Environment/370 to determine the cause of the problem.

Module: DFHAPLI

AEC9

Explanation: Language Environment/370 has encountered an unexpected error during the RUNUNIT BEGIN INVOCATION phase while attempting to execute a Language Environment/370 enabled program.

System Action: The return code received from Language Environment/370 is placed into the field EIBRESP2. Message DFHAP1200 is issued and the transaction is abnormally terminated. The program is disabled.

User Response: Refer to the error message or messages issued by Language Environment/370 to determine the cause of the problem.

Module: DFHAPLI

AEDA

Explanation: The CEDF transaction has been started with an invalid start code. This could be the result of attempting to start the execution diagnostic facility (EDF) with EXEC CICS START(CEDF).

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: Use the transaction dump to determine why the start has failed.

Module: DFHEDFX

AEDB

Explanation: DFHEDFP has been passed an invalid EDFXA. This is an internal CICS error.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHEDFX

AEDC

Explanation: The program EDF has terminated because a GETMAIN request to the storage manager failed.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: Use the transaction dump to determine why the request has failed.

Module: DFHEDFX

AEDD

Explanation: CICS has attempted to attach the EDF task to display the user request but the attach has failed.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: Use the transaction dump to determine why the attach has failed.

Module: DFHEDFX

AEDE

Explanation: CICS has suspended the user task to allow the EDF task to complete but an error has occurred while performing the suspend.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: Use the transaction dump to determine why the suspend has failed.

Module: DFHEDFX

AEDF

Explanation: CICS has suspended the user task to allow the EDF task to complete. The user task has been purged while suspended, before control was returned from EDF.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: The task was probably purged by the master terminal operator.

Investigate the reason why the task was purged. This may have been in an attempt to clear the system which appeared to be deadlocked for some reason.

Module: DFHEDFX

AEDG

Explanation: CICS has suspended the user task to allow the EDF task to complete. The user task has gone away while suspended, before control was returned from EDF.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: Use the transaction dump to determine the reason why the task finished before being resumed.

Module: DFHEDFX

AEDH

Explanation: An error occurred when CICS called the Program Manager in order to discover details of the user program that has invoked EDF.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: Use the transaction dump to determine why the call has failed.

Module: DFHEDFX

AED1

Explanation: This abend is produced as a result of either:

- An attempt to use the execution diagnostic facility (EDF) on an unsupported terminal,
- Using the temporary storage browse transaction (CEBR) on an unsupported device, or
- An attempt to initiate the temporary storage browse transaction (CEBR) with a non-terminal principal facility.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: Use a terminal or device that is properly supported.

Modules: DFHEDFP, DFHEDFBR

AED2

Explanation: The program EDF has terminated a task and placed this abend code in the terminated task's TCA. This occurs because execution of EDF is about to be abnormally terminated. A probable reason for EDF being terminated is that a line, control unit, or a terminal has been put out of service.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: Use a terminal that is supported as a display terminal by EDF. A CICS transaction dump of the task terminated with this abend code is available for review.

Module: DFHEDFX

AED3

Explanation: The program EDF has terminated a task and placed this abend code in the terminated task's TCA. The termination occurs because execution of EDF is about to be abnormally terminated.

One possible cause of an abend in EDF is incorrect data being sent to the terminal by the user task.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: A CICS transaction dump of the terminated task and also a similar dump for EDF, when its termination was abnormally terminated, are available for review.

Module: DFHEDFX

AED4

Explanation: An internal logic error has been detected in EDF module DFHEDFP.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: This indicates a CICS logic error. You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHEDFP

AED5

Explanation: An internal logic error was been detected in EDF. Insufficient dynamic storage was pre-allocated.

System Action: EDF is terminated abnormally with dumps having dump codes CXSP, RMIN, PAGE, LDIN. The user task continues.

User Response: The problem may be avoided by less complex user interactions with EDF. If the problem persists, you may need further assistance. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHEDFD

AED6

Explanation: An internal logic error was detected in EDF.

System Action: EDF is terminated abnormally with dumps having dump codes CXSP, RMIN, PAGE, LDIN. The user task continues.

User Response: The problem may be avoided by less complex user interactions with EDF. If the problem persists, you may need further assistance. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHEDFU

AED7

Explanation: The installed definition of the transaction CEDF has a TWA size which is too small.

System Action: CICS abnormally terminates the transaction with a CICS transaction dump.

User Response: If you have an updated copy of the CEDF transaction installed, ensure that you have a TWA size at least as big as the one defined by the IBM supplied definition. If you do not have an updated CEDF you may need further assistance to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHEDFP

AED8

Explanation: A terminal control error has occurred in DFHEDFX.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHEDFX

AED9

Explanation: A temporary storage error has occurred in EDF. This could be caused by an input/output error on temporary storage or because temporary storage data is full.

System Action: EDF is abnormally terminated with a CICS transaction dump.

User Response: Investigate the reason for the temporary storage request failure. Ensure that the definition of the temporary storage data set is correct.

See the *CICS Problem Determination Guide* for further guidance in dealing with temporary storage problems.

Module: DFHEDFD

AEIA

Note: The description of this abend also applies to AEID to AEI9, AEXC, AEXF, AEXG, AEXI to AEXL, AEXV to AEXX, AEX0 to AEX9, AEYA to AEYC, AEYE to AEY3, AEY7, and AEZE to AEZQ.

Explanation: The EXEC interface program issues an abend when an exceptional condition has occurred but the command does not have the RESP option (or NOHANDLE option), or the application program has not executed an EXEC CICS HANDLE CONDITION command for that condition. This will cause DFHEIP to take the system action for the condition in question. In most cases, the system action will be to abend the transaction.

Because of their similar characteristics, the above-named abend codes for the EXEC interface program are described as a group. The codes and their corresponding exceptional conditions are as follows:

Code	Condition
AEIA	ERROR
AEID	EOF
AEIE	EODS
AEIG	INBFMH
AEIH	ENDINPT
AEII	NONVAL
AEIJ	NOSTART
AEIK	TERMIDERR
AEIL	FILENOTFOUND
AEIM	NOTFND
AEIN	DUPREC
AEIO	DUPKEY
AEIP	INVREQ
AEIQ	IOERR
AEIR	NOSPACE
AEIS	NOTOPEN
AEIT	ENDFILE
AEIU	ILLOGIC
AEIV	LENGERR
AEIW	QZERO
AEIZ	ITEMERR
AEI0	PGMIDERR
AEI1	TRANSIDERR
AEI2	ENDDATA
AEI3	INVTSREQ
AEI4	EXPIRED
AEI8	TSIOERR
AEI9	MAPFAIL
AEXC	RESIDERR
AEXF	ESCERROR
AEXG	UOWLNOTFOUND
AEXI	TERMERR
AEXJ	ROLLEDBACK
AEXK	END
AEXL	DISABLED
AEXV	VOLIDERR
AEXW	SUPPRESSED
AEXX	TASKIDERR
AEX0	TCIDERR
AEX1	DSNNOTFOUND
AEX2	LOADING
AEX3	MODELIDERR
AEX4	UOWNOTFOUND
AEX5	PARTNERIDERR
AEX6	PROFILEIDERR
AEX7	NETNAMEIDERR
AEX8	LOCKED
AEX9	RECORDBUSY
AEYA	INVERRTERM
AEYB	INVMPSZ
AEYC	IGREQID
AEYE	INVLDC
AEYG	JIDERR
AEYH	QIDERR
AEYJ	DSSTAT
AEYK	SELNERR
AEYL	FUNCERR
AEYM	UNEXPIN
AEYN	NOPASSBKRD
AEYO	NOPASSBKWR
AEYP	SEGIDERR
AEYQ	SYSIDERR
AEYR	ISCINVREQ
AEYT	ENVDEFERR
AEYU	IGREQCD
AEYV	SESSIONERR
AEYX	USERIDERR
AEYY	NOTALLOC
AEYZ	CBIDERR
AEY0	INVEXITREQ
AEY1	INVPARTNSET
AEY2	INVPARTN
AEY3	PARTNFAIL
AEY7	NOTAUTH
AEZE	CHANGED

Code	Condition
AEZF	PROCESSBUSY
AEZG	ACTIVITYBUSY
AEZH	PROCESSERR
AEZI	ACTIVITYERR
AEZJ	CONTAINERERR
AEZK	EVENTERR
AEZL	TOKENERR
AEZM	NOTFINISHED
AEZN	POOLERR
AEZO	TIMERERR
AEZP	SYMBOLERR
AEZQ	TEMPLATERR

Problem Determination: The function code of the command that produced the exceptional response and the response code can be found in the EXEC interface block (EIB). The EIB is part of a larger control block, used by DFHEIP, known as the EXEC interface storage block (EIS). The EIS is addressed by the TCAEISA, which is the system part of the TCA + X'90' The EIB is pointed to from the EIS + X'8'.

The function code may be located at offset X'1B' in the EIB while the response codes may be one of the following at the given offsets:

EIBRCODE X'1D'

EIBRESP X'4C'

EIBRESP2 X'50'

The *CICS Application Programming Reference* gives translations of the encoded functions and their responses.

Analysis: Because these abend codes are directly related to exceptional conditions that can be specified in HANDLE CONDITION commands, the application programmer should decide whether the condition is one that should be handled by the application (for example ENDFILE), or one that requires modifications to the application or CICS tables.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: Change the application program either to prevent the condition recurring, to check it by using the RESP option, or to handle the condition when it does occur (by using the EXEC CICS HANDLE CONDITION command). If necessary, use the contents of the EIBRESP2 field or the EIBRCODE in the EIB to assist in determining the cause of the exceptional condition.

Module: DFHEIP

AELA

Explanation: The executing function has been purged before control could be returned.

System Action: The transaction is marked to be abnormally terminated with abend code AELA.

User Response: Investigate the reason the task was purged. It was purged either by the master terminal operator, or as a result of a deadlock timeout.

If the task was purged by the master terminal operator, this may have been in an attempt to clear the system which appeared to be deadlocked for some reason.

If the task was timed out automatically as a result of the DTIMOUT value being exceeded, this may be due to insufficient main storage being available for the number of tasks in the system. If the amount of main storage cannot be increased then the number of tasks in the system should be reduced to avoid short-on-storage situations. Another possibility would be to increase the value of the DTIMOUT option for the transaction.

Module: DFHETL

AELB

Explanation: The executing function has been purged before control could be returned.

System Action: The transaction is marked to be abnormally terminated with abend code AELB.

User Response: Investigate the reason the task was purged. It was purged either by the master terminal operator, or as a result of a deadlock timeout.

If the task was purged by the master terminal operator, this may have been in an attempt to clear the system which appeared to be deadlocked for some reason.

If the task was timed out automatically as a result of the DTIMOUT value being exceeded, this may be due to insufficient main storage being available for the number of tasks in the system. If the amount of main storage cannot be increased then the number of tasks in the system should be reduced to avoid short-on-storage situations. Another possibility would be to increase the value of the DTIMOUT option for the transaction.

Module: DFHEGL

AEMA

Explanation: An error (INVALID or DISASTER response) has occurred on a call to the application (AP) domain when a request for set user exit active could not be serviced.

System Action: The task is abnormally terminated. The domain that detected the original error issues a console message and might provide an exception trace, and depending on the options specified in the dump table, a system dump.

User Response: See the associated console message for further guidance.

Module: DFHUEM

AEMB

Explanation: An error (INVALID or DISASTER response) has occurred on a call to the loader (LD) domain. The domain that detected the original error will have provided an exception trace, a console message, and possibly a system dump (depending on the options in the dump table).

System Action: The task is abnormally terminated with a CICS transaction dump (depending on the options in the dump table).

User Response: See the related message from the domain that detected the original error.

Module: DFHUEM

AEMP

Explanation: The task was purged before a set active request to the application (AP) domain was able to complete successfully. The domain that first detected the purged condition may provide an exception trace.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: Investigate why the task was purged. This is either as a result of a purge from the master terminal operator via the CEMT transaction, or by the task being timed out after waiting

for longer than the DTIMOUT (deadlock timeout) value specified for the transaction.

If the master terminal operator purged the task, this may have been in an attempt to clear the system which appeared to be deadlocked for some reason.

If the task was timed out automatically as a result of the DTIMOUT value being exceeded, this may be due to insufficient main storage being available for the number of tasks in the system. If the amount of main storage cannot be increased, reduce the number of tasks in the system to avoid short-on-storage situations. Another possibility is to increase the value of the DTIMOUT option for the transaction.

Module: DFHUEM

AEMQ

Explanation: The task was purged before an IDENTIFY_PROGRAM request to the loader (LD) domain was able to complete successfully. The domain that first detected the purged condition provides an exception trace.

System Action: The task is abnormally terminated with a CICS transaction dump (depending on the options in the dump table).

User Response: Investigate why the task was purged. This is either as a result of a purge from the master terminal operator via the CEMT transaction, or by the task being timed out after waiting for longer than the DTIMOUT (deadlock timeout) value specified for the transaction.

If the master terminal operator purged the task, this may have been in an attempt to clear the system which appeared to be deadlocked for some reason.

If the task was timed out automatically as a result of the DTIMOUT value being exceeded, this may be due to insufficient main storage being available for the number of tasks in the system. If the amount of main storage cannot be increased, reduce the number of tasks in the system to avoid short-on-storage situations. Another possibility is to increase the value of the DTIMOUT option for the transaction.

Module: DFHUEM

AETA

Explanation: A CICS transaction has issued a non-CICS command via an application “stub” (an expansion of a DFHRMCAL macro). Program DFHERM has determined that the exit has been disabled since the previous DFHRMCAL request was issued from the transaction.

System Action: The task is abnormally terminated with a transaction dump

User Response: Notify your system programmer.

Module: DFHERM

AETC

Explanation: A CICS transaction has issued a non-CICS command via an application “stub” (an expansion of a DFHRMCAL macro). However, the task-related user exit (TRUE) is not known to program manager.

System Action: The task is abnormally terminated with a transaction dump

User Response: Ensure that the TRUE as identified to the DFHRMCAL macro has been correctly defined to CICS.

Module: DFHERM

AETF

Explanation: The task was purged before a request to the storage manager (SM) domain was able to complete successfully. The domain that first detected the purged condition will have provided an exception trace.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: Investigate why the task was purged. This is either as a result of a purge from the master terminal operator via the CEMT transaction, or by the task being timed out after waiting for longer than the DTIMOUT (deadlock timeout) value specified for the transaction.

If the master terminal operator purged the task, this may have been in an attempt to clear the system which appeared to be deadlocked for some reason.

If the task was timed out automatically as a result of the DTIMOUT value being exceeded, this may be due to insufficient main storage being available for the number of tasks in the system. If the amount of main storage cannot be increased, reduce the number of tasks in the system to avoid short-on-storage situations. Another possibility is to increase the value of the DTIMOUT option for the transaction.

Module: DFHERM

AETG

Explanation: An error (INVALID, DISASTER or unexpected EXCEPTION response) has occurred on a call to the storage manager (SM) domain. The domain that detected the original error will have provided an exception trace, a console message and, possibly, a system dump (depending on the options specified in the dump table).

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: See the related message produced by the domain that detected the original error.

Module: DFHERM

AETH

Explanation: The task was purged before a request to the storage manager (SM) domain was able to complete successfully. The domain that first detected the purged condition will have provided an exception trace.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: Investigate why the task was purged. This is either as a result of a purge from the master terminal operator via the CEMT transaction, or by the task being timed out after waiting for longer than the DTIMOUT (deadlock timeout) value specified for the transaction.

If the master terminal operator purged the task, this may have been in an attempt to clear the system which appeared to be deadlocked for some reason.

If the task was timed out automatically as a result of the DTIMOUT value being exceeded, this may be due to insufficient main storage being available for the number of tasks in the system. If the amount of main storage cannot be increased, reduce the number of tasks in the system to avoid short-on-storage situations. Another possibility is to increase the value of the DTIMOUT option for the transaction.

Module: DFHERM

AETI

Explanation: An error (INVALID, DISASTER or unexpected EXCEPTION response) has occurred on a call to the storage manager (SM) domain. The domain that detected the original error will have provided an exception trace, a console message and, possibly, a system dump (depending on the options specified in the dump table).

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: See the related message produced by the domain that detected the original error.

Module: DFHERM

AETJ

Explanation: An error (EXCEPTION, DISASTER, INVALID, KERNERROR or PURGED) has occurred on an ADD_LINK call to the recovery manager (RM) domain. For errors other than EXCEPTION, the RM domain provides an exception trace, a console message, and possibly a system dump (depending on the options in the dump table).

For all errors, DFHERM provides an exception trace, console message DFHAP0002, and possibly a system dump (depending on the options in the dump table).

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHERM

AETK

Explanation: An error (EXCEPTION, DISASTER, INVALID, KERNERROR or PURGED) has occurred on an SET_LINK call to the recovery manager (RM) domain. For errors other than EXCEPTION, the RM domain provides an exception trace, a console message, and possibly a system dump (depending on the options in the dump table).

For all errors, DFHERM provides an exception trace, console message DFHAP0002, and possibly a system dump (depending on the options in the dump table).

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHERM

AETL

Explanation: An error (EXCEPTION, DISASTER, INVALID, KERNERROR or PURGED) has occurred on an SET_UOW call to the recovery manager (RM) domain. For errors other than EXCEPTION, the RM domain provides an exception trace, a console message, and possibly a system dump (depending on the options in the dump table).

For all errors, DFHERM provides an exception trace, console message DFHAP0002, and possibly a system dump (depending on the options in the dump table).

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHERM

AETM

Explanation: An error (EXCEPTION, DISASTER, INVALID, KERNERROR, or PURGED) has occurred on an INQUIRE_TRANSACTION call to the transaction manager (XM) domain. For errors other than EXCEPTION, the XM domain provides an exception trace, a console message, and possibly a system dump (depending on the options in the dump table).

For all errors, DFHRMSY provides an exception trace, console message DFHAP0002, and possibly a system dump (depending on the options in the dump table).

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHRMSY

AETN

Explanation: An EXCEPTION response with an unexpected reason occurred on an INITITIATE_RECOVERY call to recovery manager (RM) domain. DFHRMSY provides an exception trace, console message DFHAP0002, and possibly a system dump (depending on the options in the dump table).

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHRMSY

AETO

Explanation: An error (DISASTER, INVALID, KERNERROR, or PURGED) has occurred on an INITIATE_RECOVERY call to the recovery manager (RM) domain. The RM domain provides an exception trace, a console message, and possibly a system dump (depending on the options in the dump table).

DFHRMSY also provides an exception trace, console message DFHAP0002, and possibly a system dump (depending on the options in the dump table).

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHRMSY

AETP

Explanation: An error (EXCEPTION, DISASTER, INVALID, KERNERROR, or PURGED) has occurred on an TERMINATE_RECOVERY call to recovery manager (RM) domain. For errors other than EXCEPTION, the RM domain provides an exception trace, a console message, and possibly a system dump (depending on the options in the dump table).

For all errors, DFHRMSY provides an exception trace, console message DFHAP0002, and possibly a system dump (depending on the options in the dump table).

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHRMSY

AETQ

Explanation: An EXCEPTION response with an unexpected reason occurred on an INQUIRE_UOW call to the recovery manager (RM) domain. DFHRMSY provides an exception trace, console message DFHAP0002, and possibly a system dump (depending on the options in the dump table).

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHRMSY

AETR

Explanation: An error (DISASTER, INVALID, KERNERROR, or PURGED) has occurred on an INQUIRE_UOW call to the recovery manager (RM) domain. The RM domain provides an exception trace, a console message, and possibly a system dump (depending on the options in the dump table).

DFHRMSY also provides an exception trace, console message DFHAP0002, and possibly a system dump (depending on the options in the dump table).

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHRMSY

AETS

Explanation: An error (EXCEPTION, DISASTER, INVALID, KERNERROR, or PURGED) has occurred on an INQUIRE_STARTUP call to recovery manager (RM) domain. For errors other than EXCEPTION, the RM domain provides an exception trace, a console message, and possibly a system dump (depending on the options in the dump table).

For all errors, DFHRMSY provides an exception trace, console message DFHAP0002, and possibly a system dump (depending on the options in the dump table).

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHRMSY

AEXU

Explanation: During execution of an EXEC CICS command, a NOTPOSS condition has been raised on encountering an invalid parameter. This is probably caused by a previous storage overlay.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: Refer to abend AEIA for an explanation of how to determine the function code of the CICS command that caused the abend.

It is not possible to set an EXEC CICS HANDLE CONDITION for NOTPOSS.

The system programmer should investigate the cause of the storage overlay.

Modules: DFHEIDTI, DFHEIQDS, DFHEIQSA, DFHEIQSC, DFHEIQSM, DFHEIQSP DFHEIQST, DFHEIQSX

AEXY

Explanation: The executing transaction has been purged before control could be returned.

This can arise when the transaction is purged while

- A CICS command was being processed
- The transaction was waiting to be dispatched

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: Contact your system programmer to determine why the transaction has been purged.

Modules: DFHACP, DFHBEP, DFHBREX, DFHBRIC, DFHBRMS, DFHBRSP, DFHBRTC, DFHBSTS, DFHBSTZO, DFHD2CC, DFHD2EX1, DFHD2EX2, DFHD2STR, DFHEDCP, DFHEDFP, DFHEDI, DFHEEI, DFHEGL, DFHEICRE, DFHEIIC, DFHEIP, DFHEIPA, DFHEIPRT, DFHEIPSE, DFHEIPSH, DFHEIQDE, DFHEIQDN, DFHEIQDS, DFHEIQDU, DFHEIQD2, DFHEIQIR, DFHEIQMS, DFHEIQMT, DFHEIQPF, DFHEIQPN, DFHEIQRQ, DFHEIQSA, DFHEIQSC, DFHEIQSJ, DFHEIQSK, DFHEIQSL, DFHEIQSM, DFHEIQSP, DFHEIQSQ, DFHEIQST, DFHEIQSX, DFHEIQTM, DFHEIQTR, DFHEIQTS, DFHEIQUE, DFHEIQVT, DFHEIUOW, DFHEKC, DFHEMS, DFHEOP, DFHEPC, DFHERM, DFHESC, DFHESE, DFHESN, DFHETC, DFHETL, DFHETRX, DFHPCPC2, DFHTACP, DFHTFP, DFHTIEM, DFHUEM, DFHWBTC, DFHXMBR, DFHXTP, DFHZATS, DFHZNCA, DFHZNCE, DFHZTSP, DFHZXQO, DFHZXST

AEXZ

Explanation: A command has failed due to a serious failure in a CICS component (resource manager).

System Action: The transaction is abnormally terminated with abend code AEXZ. CICS takes a transaction dump, unless module DFHDUIO is not loaded.

User Response: Use the transaction dump to determine the cause of the failure. For further assistance, or if module DFHDUIO is not loaded and no transaction dump is available, contact your system programmer.

Modules: DFHACP, DFHBEP, DFHBREX, DFHBRIC, DFHBRMS, DFHBRSP, DFHBRTC, DFHBSTS, DFHBSTZO, DFHEDCP, DFHEDFP, DFHEDI, DFHEEI, DFHEGL, DFHEIACQ, DFHEICRE, DFHEIIC, DFHEIP, DFHEIPA, DFHEIPRT, DFHEIPSE, DFHEIPSH, DFHEIQDE, DFHEIQDN, DFHEIQDS, DFHEIQDU, DFHEIQD2, DFHEIQIR, DFHEIQMS, DFHEIQMT, DFHEIQPF, DFHEIQPN, DFHEIQRQ, DFHEIQSA, DFHEIQSC, DFHEIQSJ, DFHEIQSK, DFHEIQSL, DFHEIQSM, DFHEIQSP, DFHEIQSQ, DFHEIQST, DFHEIQSX, DFHEIQTM, DFHEIQTR, DFHEIQTS, DFHEIQUE, DFHEIQVT, DFHEIUOW, DFHEKC, DFHEMS, DFHEOP, DFHEPC, DFHESC, DFHESE, DFHESN, DFHETC, DFHETL, DFHETRX, DFHFCFL, DFHPCPC2, DFHTACP, DFHTFP, DFHTIEM, DFHUEH, DFHUEM, DFHWBTC, DFHXMBR, DFHXTP, DFHZATS, DFHZNCA, DFHZNCE, DFHZTSP, DFHZXQO, DFHZXST

AEYD

Explanation: A transaction has requested that CICS access a storage area that the transaction itself could not access. This occurred when an invalid storage area was passed to CICS as an output parameter on an EXEC CICS command.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: Examine the trace to find the exception trace entry created by DFHEISR and then identify the parameter in error. If the abend is handled, EXEC CICS ASSIGN ASRASTG, ASRAKEY, ASRASPC, and ASRAREGS give additional information about the abend. At the time of the abend, register 2 points to the storage area at fault.

Change one or more of the following:

- Correct the code in error in the transaction issuing the EXEC CICS command in order to supply a valid storage area.
- If storage protection is active, change the EXECKEY on the CEDA definition for the program that issued the EXEC CICS command from USER to CICS.
- If storage protection is active, change the TASKDATAKEY attributes on the transaction definition from CICS to USER.
- If transaction isolation is active, change the ISOLATE attribute on the transaction definition from YES to NO.

Modules: DFHSRP

AEY6

Explanation: Internal logic error in DFHUEM. This arises when using EXITALL to DISABLE an exit program from all exit points for which it has been enabled. The entire user exit table has been scanned and all associations of the program have been found. But the activation count for the program in its exit program block indicates there should be more associations (for example, the activation count has not been reduced to zero). The user exit table and associated control blocks (EPBs and EPLs) are out of step and have probably been corrupted.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Modules: DFHUEM

AEY8

Explanation: No DSA was found on the chain while trying to free dynamic storage for an assembler language program using an EXEC CICS command.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: Ensure that the DFHEIENT, DFHEISTG, and DFHEIEND macro invocations are correctly positioned and retry. If the error persists, you will need further assistance. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Modules: DFHEIP

AEY9

Explanation: One of the following:

- An EXEC CICS command has been issued that is not supported by the EXEC interface program DFHEIP.
- A transaction has issued an EXEC CICS command which is supported in principle by the EXEC interface program DFHEIP, but for which the prerequisite function has not been included in the current CICS start-up.
- A non-CICS command has been issued via an application “stub” (expansion of a DFHRMCAL macro), and the program DFHERM has detected that the necessary non-CICS support is not available.
- An attempt has been made to use remote resources, but the local SYSID has been specified in an EXEC CICS command, or vice versa.
- An attempt has been made to use remote resources, but ISC is not supported.
- An EXEC CICS command contains an invalid AID or CONDITION identifier. This indicates that the EXEC CICS command has become corrupted.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: Check that the sysid specified and the resource names were correct. If not, notify the system programmer. Either the command (or an application stub) has become corrupted, or the unavailable function needs to be generated (CICS command), ENABLEd (non-CICS command), or exceptionally the non-CICS support has suffered damage and is attempting to withdraw itself from the CICS system.

Modules: DFHEIP, DFHEEI

AEZA

Explanation: A transaction has been defined with a TASKDATALOC(ANY), but the programs within the transaction are running amode 24. The exec interface program is therefore is unable to access the TCA for the application. Furthermore, any reference to the EIB would cause the transaction to fail with an OC4 protection exception.

System Action: The transaction is abnormally terminated.

User Response: Either redefine and install a new definition for the transaction with TASKDATALOC(BELOW), or relink the programs as amode 31.

Module: DFHEIP

AEZB

Explanation: A transaction has been defined with a TASKDATALOC(ANY), and the application is attempting to call a task related user exit. However the task related user exit has been linkedited AMODE 24 and enabled with the LINKEDITMODE option, thereby directing CICS to invoke it in AMODE 24. An AMODE 24 task related user exit cannot run when the calling application is running with TASKDATALOC(ANY), as this would cause a protection exception, or a storage overwrite.

System Action: The transaction is abnormally terminated.

User Response: Either redefine and install a new definition for the transaction with TASKDATALOC(BELOW), or modify the task related user exit so that it is invoked in AMODE 31.

Module: DFHERM

AEZC

Explanation: A transaction has been defined with a TASKDATALOC(ANY), but a program within the transaction is defined to run AMODE 24. CICS cannot invoke the AMODE 24 program when the transaction is running with TASKDATALOC(ANY), as this would cause a protection exception, or a storage overwrite.

System Action: The transaction is abnormally terminated.

User Response: Either redefine and install a new definition for the transaction with TASKDATALOC(BELOW), or relink the program as AMODE 31.

Module: DFHAPLI

AEZD

Explanation: An attempt has been made to run a program defined as EXECKEY(USER) as part of a transaction defined as TASKDATAKEY(CICS). These attributes are incompatible and the transaction is abended. This incompatibility could occur as a result of the program definition being autoinstalled. See the CICS Customization Guide and the CICS Resource Definition Guide for more information about program autoinstall.

System Action: The transaction is abnormally terminated.

User Response: Redefine and install a new definition either for the transaction with TASKDATAKEY(USER), or for the program with EXECKEY(CICS).

If this abend occurs when running a CICS transaction, a possible cause is that you are not using the CICS-supplied definition for the program. If you are using your own copies of CICS-supplied program definitions, they must be defined as EXECKEY(CICS).

Module: DFHAPLI

AEZE

Explanation: CHANGED condition not handled.

This is one of a number of abends issued by the EXEC interface program. Because of their similar characteristics these abends are described as a group.

See the description of abend AEIA for further details.

Module: DFHEIP

AEZF

Explanation: PROCESSBUSY condition not handled.

This is one of a number of abends issued by the EXEC interface program. Because of their similar characteristics these abends are described as a group.

See the description of abend AEIA for further details.

Module: DFHEIP

AEZG

Explanation: ACTIVITYBUSY condition not handled.

This is one of a number of abends issued by the EXEC interface program. Because of their similar characteristics these abends are described as a group.

See the description of abend AEIA for further details.

Module: DFHEIP

AEZH

Explanation: PROCESSERR condition not handled.

This is one of a number of abends issued by the EXEC interface program. Because of their similar characteristics these abends are described as a group.

See the description of abend AEIA for further details.

Module: DFHEIP

AEZI

Explanation: ACTIVITYERR condition not handled.

This is one of a number of abends issued by the EXEC interface program. Because of their similar characteristics these abends are described as a group.

See the description of abend AEIA for further details.

Module: DFHEIP

AEZJ

Explanation: CONTAINERERR condition not handled.

This is one of a number of abends issued by the EXEC interface program. Because of their similar characteristics these abends are described as a group.

See the description of abend AEIA for further details.

Module: DFHEIP

AEZK

Explanation: EVENTERR condition not handled.

This is one of a number of abends issued by the EXEC interface program. Because of their similar characteristics these abends are described as a group.

See the description of abend AEIA for further details.

Module: DFHEIP

AEZL

Explanation: TOKENERR condition not handled.

This is one of a number of abends issued by the EXEC interface program. Because of their similar characteristics these abends are described as a group.

See the description of abend AEIA for further details.

Module: DFHEIP

AEZM

Explanation: NOTFINISHED condition not handled.

This is one of a number of abends issued by the EXEC interface program. Because of their similar characteristics these abends are described as a group.

See the description of abend AEIA for further details.

Module: DFHEIP

AEZN

Explanation: POOLERR condition not handled.

This is one of a number of abends issued by the EXEC interface program. Because of their similar characteristics these abends are described as a group.

See the description of abend AEIA for further details.

Module: DFHEIP

AEZO

Explanation: TIMERERR condition not handled.

This is one of a number of abends issued by the EXEC interface program. Because of their similar characteristics these abends are described as a group.

See the description of abend AEIA for further details.

Module: DFHEIP

AEZP

Explanation: SYMBOLERR condition not handled.

This is one of a number of abends issued by the EXEC interface program. Because of their similar characteristics these abends are described as a group.

See the description of abend AEIA for further details.

Module: DFHEIP

AEZQ

Explanation: TEMPLATERR condition not handled.

This is one of a number of abends issued by the EXEC interface program. Because of their similar characteristics these abends are described as a group.

See the description of abend AEIA for further details.

Module: DFHEIP

AFCB

Explanation: Module DFHEIFC issued a resource level security check (RSLC) request to module DFHXSRC and received a response other than OK or EXCEPTION.

System Action: The transaction is abnormally terminated with a transaction dump.

User Response: Examine the trace to find the exception trace entry created by DFHXSRC at the time of the error. Use this trace entry to determine the cause of the return code from DFHXSRC.

Module: DFHEIFC

AFCC

Explanation: An internal logic error was detected when calling the file control request processing module DFHFCFR. Either DFHFCFR returned an INVALID response to its caller indicating an error in the caller's parameter list, or DFHFCFR passed back a return code that was not recognized by its caller.

System Action: The transaction is abnormally terminated with a transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Modules: DFHEIFC, DFHDMPCA

AFCD

Explanation: During an attempt to locate an AFCT entry, the table manager program DFHTMP has returned a “disastrous error” response that could not be handled by its caller.

System Action: The transaction is abnormally terminated with a transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHEIFC

AFCE

Explanation: A GETMAIN for FFLE storage has failed.

System Action: The transaction is abnormally terminated with a transaction dump.

User Response: Retry the failed transaction.

Module: DFHEIFC

AFCF

Explanation: A deadlock has been detected between two or more tasks issuing file control requests.

System Action: The task that would have entered deadlock is abended with a CICS transaction dump.

User Response: Examine this transaction and other transactions in the system that update the same files to find the cause of the deadlock, then correct the error.

When transactions update several files within the same unit of work, all transactions should update these files in the same order. A transaction that abends AFCF may be retried by specifying RESTART(YES) in the transaction definition and by coding a suitable DFHREST program.

Modules: DFHEIFC, DFHDMPCA

AFCG

Explanation: A transaction has issued a sequence of file control requests that would cause the file to deadlock itself. This response arises for different reasons depending upon the file type.

If the file is being accessed in non-RLS mode, the response is caused by the transaction making conflicting requests against the same CI. For example, if the file is being accessed using LSR, a self deadlock will arise when an attempt is made to read a record that is in the same CI as a record that is the subject of a READ UPDATE or WRITE MASSINSERT request issued by the same transaction.

If the file is accessed in RLS mode there is no CI locking, but self deadlock responses can still arise. They are caused by sequences of requests that are either logically meaningless or which cannot be performed by VSAM RLS.

With VSAM RLS the most likely causes of this abend are as follows:

- Two successive READ UPDATE requests against the same record by the same transaction without an intervening REWRITE, DELETE or UNLOCK command.

  This is an incorrect use of file control requests.
- A transaction has created a record by WRITE MASSINSERT and then, without terminating the WRITE MASSINSERT sequence by issuing an UNLOCK request, the same transaction has attempted to modify the same record by issuing a READ UPDATE or DELETE request.

  This sequence of requests fails if VSAM has not written the record out to disk. The only way to guarantee that the record has been written to disk is to issue the UNLOCK request.
- A transaction has updated or deleted a record using a browse for update sequence and then, without terminating the browse for update sequence by issuing an ENDBR request, the same transaction has attempted to modify the same record by issuing a separate READ UPDATE or DELETE or WRITE request.

  This sequence of requests fails if VSAM has not written the record out to disk. The only way to guarantee that the record has been written to disk is to issue the ENDBR request.

If the file is used to access a coupling facility data table, then self deadlock responses are caused by sequences of requests that are either logically meaningless or which cannot be performed by coupling facility data tables support.

For coupling facility data tables, the most likely cause of this abend is as follows:

- Two successive READ UPDATE requests have been issued against the same record by the same transaction without an intervening REWRITE, DELETE or UNLOCK command.

  This is an incorrect use of file control requests.

System Action: The task that would have entered deadlock is abended with a CICS transaction dump.

User Response: Examine the previous requests made by this transaction against this file to identify the cause of the deadlock, then correct the error. In some cases (particularly when the file is being accessed in RLS mode or is using a coupling facility data table) this abend may indicate a programming error in the program that issued the file control requests.

Modules: DFHEIFC, DFHDMPCA

AFCH

Explanation: The transaction has issued a request for a remote shared data table for which it has an active browse, but in the meantime the table has been disabled or closed by the owning CICS system, or the owning CICS system has failed.

System Action: The requesting transaction abends with a transaction dump.

CICS continues normally.

User Response: In the application owning region, take whatever action normally follows the issue of a FORCE request in, or the failure of, the file owning CICS system.

See the *CICS Shared Data Tables Guide* for further guidance. guidance.

Module: DFHEIFC

AFCJ

Explanation: DFHFCU issued a call to DFHFCFS to open a file. A purged error was returned from DFHFCFS because the task has been waiting for a resource longer than the DTIMEOUT interval specified for the CSFU transaction.

System Action: The task is abnormally terminated with a CICS transaction dump. CICS processing continues.

User Response: Examine the dump to determine the cause of the error. A system dump can be produced by adding the appropriate dump table entry using the CEMT SET TRDUMPCODE command.

Module: DFHFCU

AFCK

Explanation: The transaction issued a file update request (READ UPDATE, WRITE or DELETE) against an RLS mode data set for which a DFSMSdss non-BWO backup was in progress.

System Action: The transaction is abnormally terminated with a CICS transaction dump. CICS processing continues.

User Response: All new file update requests are prohibited when a non-BWO backup is in progress for an RLS mode data set. This restriction is automatically lifted when the backup completes. (A non-BWO backup is any type of backup operation other than a Backup While Open backup.) When the backup has completed, retry the transaction.

Modules: DFHDMPCA, DFHEIFC

AFCL

Explanation: During the loading of a Shared Data Table by the CFSL transaction, a call to the CICS Transaction Manager has returned a response (such as DISASTER) after which normal processing could not continue.

System Action: Message DFHFC0949 is issued. Loading of the data table is terminated and CFSL abends.

User Response: Refer to the description of the message for further information and guidance.

Module: DFHDTLX

AFCM

Explanation: During the loading of a data table by the CFSL transaction, an abend was detected, or a domain call returned a response (such as DISASTER) after which normal processing could not continue.

System Action: A message is issued (one of DFHFC0945, DFHFC0946, or DFHFC0947). Loading of the data table is terminated and CFSL abends.

User Response: If this abend is produced as a result of an abend during loading, message DFHFC0945 is issued. If it is a result of a domain call failure, depending on which domain the failure was returned by, one of the messages DFHFC0946 or DFHFC0947 is issued. Refer to the description of the message for further information and guidance.

Module: DFHDTLX

AFCN

Explanation: The transaction issued a file request that caused file control to attempt to create a journal record but the record was too large for the journal buffer to accommodate. This indicates that a journal referenced in the file definition is using an MVS logstream, which in turn, is using a coupling facility structure which has been defined with a MAXBUFSIZE parameter less than the recommended 64000.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: Redefine the coupling facility structure that the logstream is using with a MAXBUFSIZE parameter of 64000. The journal in error can be the forward recovery log or the journal used for auto-archiving.

If the module that detected the error is DFHDMPCA, the error is associated with a journal referenced in the definition of the CSD (DFHCSD).

Modules: DFHDMPCA, DFHEIFC

AFCO

Explanation: An attempt was made to attach a transaction specifying DFHDTLX as the program to be given control, but the transaction was not internally attached by CICS.

DFHDTLX is for use by CICS system transaction CFSL. This loads a Shared Data Table.

System Action: The transaction is abnormally terminated. CICS processing continues.

User Response: Establish why an attempt was made to attach CFSL illegally, or why a transaction definition specified DFHDTLX as the program to be given control.

Module: DFHDTLX

AFCR

Explanation: The program issued a file control request against a file opened in RLS mode. While executing this request, CICS detected that the SMSVSAM server address space had failed.

System Action: The task is abnormally terminated with a CICS transaction dump.

CICS disables all further RLS accesses and initiates error recovery.

User Response: Retry the transaction when the server is available again

If the SMSVSAM server fails, it should normally automatically restart itself as quickly as possible. If this does not happen, consult the VSAM documentation which provides further guidance on debugging problems in the SMSVSAM server.

Modules: DFHEIFC, DFHDMPCA

AFCS

Explanation: The program issued a file control request against a file opened in RLS mode. VSAM was unable to perform this request because the SMSVSAM server address space was inactive.

However, if an offsite restart is being performed (that is, OFFSITE=YES was specified as a system initialization override), this transaction abend is also issued even if the SMSVSAM server address space is active. This is because RLS access is not allowed during an offsite restart for any RLS file control requests other than those issued by transactions which have been attached by CICS to perform RLS recovery work.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: Retry the transaction when the server is available again.

If the SMSVSAM server fails, it should normally automatically restart itself as quickly as possible. If this does not happen, consult the VSAM documentation which provides further guidance on debugging problems in the SMSVSAM server.

If an offsite restart is being performed, retry the transaction after RLS recovery has been completed when RLS access by user transactions is allowed again.

Modules: DFHEIFC, DFHDMPCA

AFCT

Explanation: The program has made a file control request against a file opened in RLS mode. The SMSVSAM server has been recycled since an earlier RLS request from the same unit of work. The same unit of work cannot issue requests against two different instances of the SMSVSAM server. Note that this abend will occur even if the earlier request was not successful.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: Resubmit the transaction.

Modules: DFHEIFC, DFHDMPCA

AFCU

Explanation: A program made a file control request against a file that is being accessed in VSAM RLS mode. The underlying data set is in lost locks state. File control requests are not allowed against a data set that is in lost locks state.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: Recovery from lost locks is normally automatic. See the *CICS Recovery and Restart Guide* for a full explanation of lost locks recovery. You will not be able to issue any file control requests against this data set until all systems that owned locks at the time of the lock structure failure have completed their lost locks recovery.

See the *CICS Recovery and Restart Guide* for guidance on how to determine which CICS systems still have lost locks recovery pending, for information on commands that allow you to find the work that these systems have outstanding, and on commands that allow you to force a system to immediately complete lost locks recovery. The commands that force immediate completion of lost locks recovery should only be used as a last resort as they may cause loss of data integrity. It is better to allow the automatic recovery procedures to complete normally.

Modules: DFHEIFC, DFHDMPCA

AFCV

Explanation: A request made against a file opened in RLS mode was unable to acquire a record lock. It waited for the lock, but the wait time exceeded the maximum wait time applicable to that request.

System Action: The task is abnormally terminated with a CICS transaction dump.

CICS prints message DFHFC0164 and message DFHFC0165 which identify the transaction or transactions that were immediately in front of this transaction in the queue for the lock. Normally this transaction or these transactions are the owners of the lock, although this is not the case if a chain of requests for the record has built up.

User Response: Retry the transaction.

If the problem recurs, see messages DFHFC0164 and DFHFC0165 to determine the transaction that is holding the lock. In most cases the problem lies with the lock owner rather than the transaction that has failed.

Examples of causes of timeouts are as follows:

- The transaction that holds the lock has a design error. For example:
  - A conversational transaction updates a recoverable record and then issues a terminal control read. It does not issue syncpoint (and therefore does not release the lock) until the end user has responded to the terminal control read. It may therefore hold the lock for a considerable period.
  - A transaction updates very many records in recoverable files before issuing syncpoint. You are recommended to keep the number of updates made within a unit of work small and to issue frequent syncpoints to ensure that locks are released regularly.
- The system in which the lock holder is running is experiencing severe performance degradation. Investigate the reason for the performance degradation.
- There is a deadlock between RLS and another resource manager. For example one transaction may be holding an RLS lock and waiting for a lock on a transient data queue. The transaction that times out may hold the lock on the transient data queue and be waiting for the RLS lock. RLS can detect deadlocks only when all the locks involved in the deadlock are RLS locks. A deadlock such as this can appear to RLS to be a long wait for a lock and is reported as a time out. Examine the design of the transactions to determine whether resource manager deadlocks can occur.
- It may be possible for RLS deadlocks to be reported as RLS timeouts if VSAM does not perform deadlock detection until after the time out value for the request occurred. For example, assume that DEADLOCK_TIMEOUT in specified as (15,4) in SYS1.PARMLIB. This means that VSAM does not attempt to detect cross-MVS deadlocks until 4 periods of 15 (that is, 60) seconds have elapsed. If DTIMOUT was not active for the transaction and the SIT specified FTIMEOUT=30, the RLS request times out after 30 seconds, before VSAM has attempted to detect cross-MVS deadlocks. Adjust FTIMEOUT, DTIMOUT, and DEADLOCK_DETECTION to avoid such effects.

Modules: DFHEIFC, DFHDMPCA

AFCW

Explanation: The program issued a file control request against a file opened in RLS mode. VSAM RLS detected that this request would cause a deadlock. This transaction is abended in order to break the deadlock chain.

System Action: The task is abnormally terminated with a CICS transaction dump.

CICS prints message DFHFC0166 and message DFHFC0167 which identify the other transactions in the deadlock chain.

User Response: Retry the transaction.

Examine the logic of all the programs involved in the deadlock chain to determine whether they could be improved to avoid possible sources of deadlock. See the *CICS Application Programming Guide* for guidance on how to write programs that avoid deadlocks.

Modules: DFHEIFC, DFHDMPCA

AFCY

Explanation: The transaction issued a file request resulting in a call to the main file control program (DFHFCFR). During the processing of the request the transaction was purged (that is, was the subject of an explicit PURGE or FORCEPURGE request, was timed out, or was selected by CICS for termination in an attempt to alleviate an SOS condition). A “purged” response was returned from DFHFCFR to its caller.

System Action: The task is abnormally terminated with a CICS transaction dump.

Exception trace entries are made between the point at which the purge is detected and the issuing of the abend.

User Response: In some instances, for example if the transaction was explicitly purged, no further action is necessary.

Otherwise examine the exception trace and the transaction dump to identify the point at which the purge occurred.

Modules: DFHDMPCA, DFHEIFC

AFCZ

Explanation: The transaction issued a file request resulting in a call to the main file control program (DFHFCFR). A “disastrous error” response was returned from DFHFCFR to its caller.

System Action: At the time the error is detected, CICS writes a message to the console, records an exception trace entry, and takes a system dump. The trace and dump identify the point of error.

Subsequently, the task is abnormally terminated with a CICS transaction dump.

User Response: The system programmer should use the trace and dumps to determine what the error is, and why it has occurred.

Modules: DFHDMPCA, DFHEIFC

AFC0

Explanation: An attempt has been made to update a file after file control restart failed.

System Action: The transaction is abnormally terminated with a transaction dump.

User Response: Determine the cause of the failure in file control restart. Restart CICS.

Modules: DFHEIFC, DFHDMPCA

AFC2

Explanation: DFHFCU issued a call to DFHFCFS to open a file. A disastrous error was returned from DFHFCFS.

System Action: The task is abnormally terminated with a CICS transaction dump.

At the time the disastrous error is detected, CICS writes a message to the console, records an exception trace entry and takes a system dump.

CICS processing continues.

User Response: The system programmer should examine the trace, the system dump and any related CICS messages to identify the cause of the error.

Module: DFHFCU

AFC7

Explanation: The CICS definition file (CSD) manager (DFHDMPCA) issued a request to DFHFCFS to enable, open or close the DFHCSD file. A “disastrous error” response was returned from DFHFCFS to DFHDMPCA.

System Action: The task is abnormally terminated with a CICS transaction dump.

At the time the disastrous error is detected, CICS writes a message to the console, records an exception trace entry and takes a system dump.

CICS processing continues.

User Response: The system programmer should examine the trace, the system dump and any related CICS messages to identify the cause of the error.

Module: DFHDMPCA

AFDA

Explanation: An attempt was made to attach a transaction specifying DFHFCQT as the program to be given control, but the transaction was not internally attached by CICS.

DFHFCQT is for use by CICS system transactions CFQS and CFQR. These provide support for VSAM RLS data set quiesce and unquiesce operations, DFSMSdss BWO and non-BWO backups, and certain other data set related operations.

System Action: The transaction is abnormally terminated. CICS processing continues.

User Response: Establish why an attempt was made to illegally attach CFQS or CFQR, or why a transaction definition specified DFHFCQT as the program to be given control.

Module: DFHFCQT

AFDB

Explanation: An attempt was made by CICS to internally attach a transaction specifying DFHFCQT as the program to be given control, and the transaction id was other than CFQS or CFQR.

DFHFCQT is for use by CICS system transactions CFQS and CFQR. These provide support for VSAM RLS data set quiesce and unquiesce operations, DFSMSdss BWO and non-BWO backups, and certain other data set related operations.

System Action: The transaction is abnormally terminated with a CICS transaction dump. CICS processing continues but it is probable that VSAM RLS data set quiesce support has been lost.

User Response: Restart CICS. If the problem reoccurs, a more severe error is indicated. In this case, you will need assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHFCQT

AFDC

Explanation: CICS system transaction CFQS has failed due to a serious error. An attempt will be made to reattach the transaction. CICS messages should indicate the cause of the error.

CFQS provides support for the initiation of VSAM RLS data set quiesce and unquiesce operations.

System Action: CFQS is abnormally terminated with a CICS transaction dump. CFQS is reattached and CICS processing continues.

User Response: Check Transient Data Queue CSFL for message DFHFC6028, indicating that the reattach of CFQS was successful. If the reattach fails, VSAM RLS data set quiesce initiation support is lost. If this support is required, CICS must be restarted.

If it is not possible to restore VSAM RLS quiesce initiation support, a more severe error is indicated. In this case, you will need assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHFCQT

AFDD

Explanation: CICS system transaction CFQR has failed due to a serious error. An attempt will be made to reattach the transaction. CICS messages should indicate the cause of the error.

CFQR provides support for VSAM RLS data set quiesce and unquiesce operations, DFSMSdss BWO and non-BWO backups, and certain other data set related operations.

System Action: CFQR is abnormally terminated with a CICS transaction dump. CFQR is reattached and CICS processing continues.

User Response: Check Transient Data Queue CSFL for message DFHFC6028, indicating that the reattach of CFQR was successful. If the reattach fails, VSAM RLS data set quiesce support is lost. If this happens, CICS must be restarted.

If it is not possible to restore VSAM RLS quiesce support, a more severe error is indicated. In this case, you will need assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHFCQT

AFDE

Explanation: An attempt was made to attach a transaction specifying DFHFCRD as the program to be given control, but the transaction was not internally attached by CICS.

DFHFCRD is for use by CICS system transaction CSFR. This provides support for error recovery after a failure of the SMSVSAM server.

System Action: The transaction is abnormally terminated. CICS processing continues.

User Response: Establish why an attempt was made to illegally attach CSFR, or why a transaction definition specified DFHFCRD as the program to be given control.

Module: DFHFCRD

AFDF

Explanation: An attempt was made to attach a transaction specifying DFHFCOR as the program to be given control, but the transaction was not internally attached by CICS.

DFHFCOR is for use by CICS system transaction CFOR. This provides part of the RLS offsite recovery support.

System Action: The transaction is abnormally terminated. CICS processing continues.

User Response: Establish why an attempt was made to illegally attach CFOR, or why a transaction definition specified DFHFCOR as the program to be given control.

Module: DFHFCOR

AFDG

Explanation: CICS system transaction CFOR has failed due to a serious error. CICS messages should indicate the cause of the error.

DFHFCOR provides part of the RLS offsite recovery support.

This abend indicates that this CICS system has completed its RLS offsite recovery, but an error occurred either in attempting to issue message DFHFC0575D which reports this fact, or in attempting to process the reply to message DFHFC0575D.

System Action: CFOR is abnormally terminated with a CICS transaction dump. CICS processing continues.

User Response: If you are using an automated procedure to check for and reply to message DFHFC0575D, then you should shut this CICS down and restart it specifying OFFSITE=YES again. If you are using manual procedures to check for completion of all RLS offsite recovery and to reply to message DFHFC0575D then you can "tick" this CICS off the list of systems which have completed their recovery, but you must ensure that it is not restarted with OFFSITE=NO until all other CICS systems have completed their RLS offsite recovery. Also note that until the system is restarted, RLS access will not be allowed by this system.

Module: DFHFCOR

AFDH

Explanation: VSAM has returned a response indicating that the RLS lock structure in the coupling facility is full. VSAM RLS is unable to create any new locks.

This abend code is usually issued from various CICS systems residing within the same sysplex.

System Action: The transaction which issued the VSAM RLS request is abnormally terminated with a CICS transaction dump. CICS processing continues.

User Response: Allocate a larger VSAM RLS lock structure and rebuild the RLS structure into the new larger structure. See *OS/390 MVS Setting up a Sysplex*, (GC28-1779) and *DFSMS/MVS DFSMSdfp Storage Administration Reference*, (SC26-4920) for further details on creating RLS lock structures and rebuilding lock structures.

Modules: DFHEIFC, DFHDMPCA

AGMA

Explanation: An attempt to initiate the good morning message transaction was made without specifying a termid for it to be displayed.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: Use the dump to determine how the attempt to start the transaction was made. Ensure that no EXEC CICS STARTs are made for the good morning message transaction where no termid is specified.

Module: DFHGMM

AICA

Explanation: A task has been executing for longer than the runaway time interval (defined by the ICVR operand on the system initialization table macro, DFHSIT) without giving up control. The runaway task condition indicates a possible loop in the application.

System Action: The task is terminated with an AICA transaction dump.

User Response: See the *CICS Problem Determination Guide* for guidance on dealing with loops.

Module: DFHSRP

AICB

Explanation: A RETRIEVE WAIT request has been reissued in system shutdown.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: None

Module: DFHICP

AICC

Explanation: An incorrect response was returned from a timer (TI) domain request.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Modules: DFHTAJP, DFHICP

AICD

Explanation: A incorrect response was returned from a kernel (KE) domain request.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHICP

AICE

Explanation: An incorrect response was returned from a dispatcher (DS) domain request (other than AICG).

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHICP

AICF

Explanation: An incorrect response was returned from a transaction manager (TM) domain request.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHICP

AICG

Explanation: A PURGED response was returned from a dispatcher domain (DS) request, with a reason code of TASK_CANCEL. TASK_CANCEL was returned as the transaction had been explicitly canceled.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: Notify your system programmer to determine why the task has been purged.

Module: DFHICP

AICH

Explanation: The task was purged before a request to the storage manager (SM) domain was able to complete successfully. The domain that first detected the purged condition will have provided an exception trace.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: Investigate why the task was purged. This is either as a result of a purge from the master terminal operator via the CEMT transaction, or by the task being timed out after waiting for longer than the DTIMOUT (deadlock timeout) value specified for the transaction.

If the master terminal operator purged the task, this may have been in an attempt to clear the system which appeared to be deadlocked for some reason.

If the task was timed out automatically as a result of the DTIMOUT value being exceeded, this may be due to insufficient main storage being available for the number of tasks in the system. If the amount of main storage cannot be increased, reduce the number of tasks in the system to avoid short-on-storage situations. Another possibility is to increase the value of the DTIMOUT option for the transaction.

Modules: DFHICP, DFHEIIC

AICJ

Explanation: An error (INVALID, DISASTER or unexpected EXCEPTION response) has occurred on a call to the storage manager (SM) domain. The domain that detected the original error will have provided an exception trace, a console message and, possibly, a system dump (depending on the options specified in the dump table).

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: See the related message produced by the domain that detected the original error.

Module: DFHICP

AICK

Explanation: Module DFHEIIC has issued a resource level security check (RSLC) request to module DFHXSRC and received a response other than OK or EXCEPTION.

System Action: The transaction is abnormally terminated with a transaction dump.

User Response: Examine the trace to find the exception trace entry created by DFHXSRC at the time of the error. Use this trace entry to determine the cause of the return code from DFHXSRC.

Module: DFHEIIC

AICL

Explanation: DFHEIIC detected an invalid function code in the command level parameter list. This is caused either by a storage overwrite or a CICS internal logic error.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: If this problem is reproducible, a level 1 trace of the IC and EI components would aid problem determination. Look in the program storage section of the transaction dump and compare argument 0, the exec interface descriptor (EID), for the command being processed with the argument 0 produced by the translator for the same command. Any differences mean that an overwrite of the application program may have occurred. You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHEIIC

AICN

Explanation: An incorrect response has been returned from a user domain (US) request.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHICP

AICO

Explanation: An unexpected EXCEPTION response was received from a call to the user (US) domain.

The call was issued during initialization of a transaction that was started without a terminal. The call was made as part of processing to associate the transaction with its intended user. The attempt to associate the intended user with the transaction has failed.

The userid for the intended user of the transaction may not be correctly defined.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: Determine why the intended user of the transaction is not correctly defined.

Examine messages produced for the CICS job by the external security manager (ESM). This may require the assistance of a security administrator.

It may be necessary to examine the transaction dump to determine why the external security manager has informed CICS that the user is not correctly defined.

When the user has been correctly defined, consider rerunning the transaction.

Module: DFHICXM

AICQ

Explanation: Module DFHDFST is executing at a terminal which is not permitted.

System Action: The transaction is abnormally terminated with a transaction dump.

User Response: Determine why this transaction is executing at a terminal.

Module: DFHDFST

AICS

Explanation: Module DFHDFST has encountered an error during Retrieve processing.

System Action: The transaction is abnormally terminated with a transaction dump.

User Response: Use level 1 trace entries to determine the cause of the failure.

Module: DFHDFST

AICT

Explanation: Module DFHDFST has encountered an error during START processing.

System Action: The transaction is abnormally terminated with a transaction dump.

User Response: Use level 1 trace entries to determine the cause of the error.

Module: DFHDFST

AICR

Explanation: A DFHTC write request has failed for IRC. The return codes within TCATPAPR and TCTEIRET should be examined to determine the cause of failure.

System Action: The CSNC transaction is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHCRR

AINA

Explanation: An application program has issued an EXEC CICS LINK command to the indoubt testing tool program DFHINDT but has failed to pass a commarea containing the request to be executed, Valid requests are: ON, OFF, RESYNC COMMIT or RESYNC BACKOUT

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: Correct the application program so that it passes a commarea to DFHINDT containing a valid request for DFHINDT.

Module: DFHINDT

AINB

Explanation: An application program has issued an EXEC CICS LINK command to the indoubt testing tool program DFHINDT passing a commarea that did not contain a valid request to be executed, Valid requests are: ON, OFF, RESYNC COMMIT or RESYNC BACKOUT

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: Correct the application program so that it passes a commarea to DFHINDT containing a valid request for DFHINDT.

Module: DFHINDT

AINC

Explanation: The indoubt testing tool issued a EXEC CICS INQUIRE EXITPROGRAM command to inquire on the status of the indoubt testing tool task related user exit program DFHINTRU, and the command failed with a NOTAUTH response.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: The indoubt testing tool can be run under transaction CIND , under a user transaction where the program EXEC CICS LINKs to DFHINDT. or under a transaction where the program EXEC CICS LINKs to DFHINDAP. If command security checking is active for the transaction (CMDSEC=YES), check that the user has read access to resource EXITPROGRAM. If resource security checking is active for the transaction (RESSEC=YES), check that the user has read access to resource DFHINTRU.

Modules: DFHINDT, DFHINDAP

AIND

Explanation: The indoubt testing tool issued a EXEC CICS INQUIRE EXITPROGRAM command to inquire on the status of the indoubt testing tool task related user exit program DFHINTRU, and the command failed with an unexpected response.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Modules: DFHINDT, DFHINDAP

AINE

Explanation: An error (EXCEPTION, DISASTER, INVALID, KERNERROR or PURGED) has occurred on an START_LINK_BROWSE command issued by the indoubt tool to recovery manager (RM) domain. For errors other than EXCEPTION, the RM domain provides an exception trace, a console message, and possibly a system dump (depending on the options in the dump table).

For all errors, DFHINDT provides an exception trace, console message DFHAP0002, and possibly a system dump (depending on the options in the dump table).

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHINDT

AINF

Explanation: An EXCEPTION response with an unexpected reason occurred on an GET_NEXT_LINK call issued by the indoubt testing tool to recovery manager (RM) domain. DFHINDT provides an exception trace, console message DFHAP0002, and possibly a system dump (depending on the options in the dump table).

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHINDT

AING

Explanation: An error (DISASTER, INVALID, KERNERROR, or PURGED) has occurred on an GET_NEXT_LINK call issued by the indoubt testing tool to recovery manager (RM) domain. The RM domain provides an exception trace, a console message, and possibly a system dump (depending on the options in the dump table).

DFHINDT also provides an exception trace, console message DFHAP0002, and possibly a system dump (depending on the options in the dump table).

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHINDT

AINH

Explanation: An error (EXCEPTION, DISASTER, INVALID, KERNERROR or PURGED) has occurred on an END_LINK_BROWSE command issued by the indoubt tool to recovery manager (RM) domain. For errors other than EXCEPTION, the RM domain provides an exception trace, a console message, and possibly a system dump (depending on the options in the dump table).

For all errors, DFHINDT provides an exception trace, console message DFHAP0002, and possibly a system dump (depending on the options in the dump table).

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHINDT

AINI

Explanation: An error (EXCEPTION, DISASTER, INVALID, KERNERROR or PURGED) has occurred on an INQUIRE_UOW command issued by the indoubt testing rtool to recovery manager (RM) domain. For errors other than EXCEPTION, the RM domain provides an exception trace, a console message, and possibly a system dump (depending on the options in the dump table).

For all errors, DFHINDT provides an exception trace, console message DFHAP0002, and possibly a system dump (depending on the options in the dump table).

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHINDT

AINJ

Explanation: An EXCEPTION response with an unexpected reason occurred on an INITIATE_RECOVERY call issued by the indoubt testing tool to recovery manager (RM) domain. DFHINDT provides an exception trace, console message DFHAP0002, and possibly a system dump (depending on the options in the dump table).

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHINDT

AINK

Explanation: An error (DISASTER, INVALID, KERNERROR, or PURGED) has occurred on an INITIATE_RECOVERY call issued by the indoubt testing tool to recovery manager (RM) domain. The RM domain provides an exception trace, a console message, and possibly a system dump (depending on the options in the dump table).

DFHINDT also provides an exception trace, console message DFHAP0002, and possibly a system dump (depending on the options in the dump table).

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHINDT

AINL

Explanation: An error (EXCEPTION, DISASTER, INVALID, KERNERROR or PURGED) has occurred on an SET_RECOVERY_STATUS command issued by the indoubt testing tool to recovery manager (RM) domain. For errors other than EXCEPTION, the RM domain provides an exception trace, a console message, and possibly a system dump (depending on the options in the dump table).

For all errors, DFHINDT provides an exception trace, console message DFHAP0002, and possibly a system dump (depending on the options in the dump table).

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHINDT

AINM

Explanation: An error (EXCEPTION, DISASTER, INVALID, KERNERROR or PURGED) has occurred on an TERMINATE_RECOVERY command issued by the indoubt testing tool to recovery manager (RM) domain. For errors other than EXCEPTION, the RM domain provides an exception trace, a console message, and possibly a system dump (depending on the options in the dump table).

For all errors, DFHINDT provides an exception trace, console message DFHAP0002, and possibly a system dump (depending on the options in the dump table).

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHINDT

AINN

Explanation: An error (EXCEPTION, DISASTER, INVALID, KERNERROR or PURGED) has occurred on an ADD_LINK command issued by the indoubt testing tool to recovery manager (RM) domain. For errors other than EXCEPTION, the RM domain provides an exception trace, a console message, and possibly a system dump (depending on the options in the dump table).

For all errors, DFHINTRU provides an exception trace, console message DFHAP0002, and possibly a system dump (depending on the options in the dump table).

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHINTRU

AINO

Explanation: The indoubt testing tool task related user exit DFHINTRU issued an EXEC CICS INQUIRE TRANSACTION command to inquire whether the current transaction was in the indoubt transaction class DFHTCIND. The command failed with a NOTAUTH response.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: When the indoubt testing tool is active, the task related user exit DFHINTRU is invoked whenever a CICS transaction is started. For all transactions for which command security checking is active, ensure that the user has read access to resource TRANSACTION. If started transaction resource security checking is specified, for all transactions for which resource security checking is active, ensure that the user has read access to the transaction name in the specified RACF resource class.

For more information on command security and resource security see the *CICS RACF Security Guide*.

Module: DFHINTRU

AINP

Explanation: The indoubt testing tool task related user exit DFHINTRU issued an EXEC CICS INQUIRE TRANSACTION command to inquire whether the current transaction was in the indoubt transaction class DFHTCIND. The command failed with an unexpected response.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHINTRU

AINQ

Explanation: The indoubt testing tool task related user exit DFHINTRU issued an EXEC CICS INQUIRE TASK command to inquire on the current task to obtain the unit of work ID to include in message DFHIN1009. The command failed with a TASKIDERR response.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHINTRU

AINR

Explanation: The indoubt testing tool task related user exit DFHINTRU issued an EXEC CICS INQUIRE TASK command to inquire on the current task to obtain the unit of work ID to include in message DFHIN1009. The command failed with a NOTAUTH response.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: When the indoubt testing tool is active, the task related user exit DFHINTRU is invoked whenever a CICS transaction is started. For all transactions for which command security checking is active (CMDSEC=YES), ensure that the user has read access to resource TASK.

Module: DFHINTRU

AINS

Explanation: The indoubt testing tool task related user exit DFHINTRU issued an EXEC CICS INQUIRE TASK command to inquire on the current task to obtain the unit of work ID to include in message DFHIN1009. The command failed with an unexpected response.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHINTRU

AIOA

Explanation: The main method within CICSMain has been invoked with a null COMMAREA.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFJIIOP

AIOB

Explanation: The checkBytes method within CICSCommareaMapping has detected an error while trying to map the COMMAREA passed from DFHIIOPA. The COMMAREA length or commareaLength field is invalid.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFJIIOP

AIOC

Explanation: The setBytes method within CICSCommareaMapping has detected an error while trying to map the COMMAREA passed from DFHIIOPA. Either the hostnameLength or the commareaLength field is invalid.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFJIIOP

AIOD

Explanation: The setIIOPDataFromTSQ method within CICSCommareaMapping has detected an error reading input data from a Temporary Storage queue. The number of items expected, set by DFHIIOPA, does not match the numItems returned by the TSQ readNextItem method.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFJIIOP

AIOE

Explanation: The setIIOPDataFromTSQ method within CICSCommareaMapping has detected an error reading input data from a Temporary Storage queue. An unexpected CICS condition was thrown by the TSQ readNextItem method.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFJIIOP

AIOF

Explanation: The setIIOPDataFromTSQ method within CICSCommareaMapping has detected an error creating its IIOP data buffer from a Temporary Storage queue. This is probably due to a mismatch between the length of data expected, set by DFHIIOPA, and the length of data read from the Temporary Storage queue.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFJIIOP

AIOG

Explanation: The main method within CICSMain has failed to initialize the ORB. This may be due to invalid data in the COMMAREA passed from DFHIIOPA.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFJIIOP

AIOH

Explanation: The main method within CICSMain has received an unexpected return code from ProcessMessage.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Modules: DFJIIOP

AIOI

Explanation: The setBytes method within CICSCommareaMapping has detected an error while trying to map the COMMAREA passed from DFHIIOPA. An UnsupportedEncodingException has been caught during conversion of the hostname to a String using codepage 8859_1.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Modules: DFJIIOP

AIOJ

Explanation: The writeIIOPDataToTSQ method within CICSCommareaMapping has detected an error while trying to return a reply to DFHIIOPA in a Temporary Storage queue. An unexpected item number has been returned by the TSQ writeItem method.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Modules: DFJIIOP

AIOK

Explanation: The writeIIOPDataToTSQ method within CICSCommareaMapping has detected an error while trying to return a reply to DFHIIOPA in a Temporary Storage queue. An unexpected CICS condition has been thrown by the TSQ writeItem method.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Modules: DFJIIOP

AIOV

Explanation: The setBytes method within CICSCommareaMapping has detected an error while trying to map the COMMAREA passed from DFHIIOPA. The COMMAREA version is not supported by this level of DFJIIOP.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: Ensure that the service level of the CICS region running the IIOP application is at least as high as that of the region running the reader transaction, CIOR.

Modules: DFJIIOP

AIO0

Explanation: When the IIOP/CORBA call was processed it resulted in an abend; probably in the CORBA object or DFJIIOP.

System Action: An IIOP SYSTEM_EXCEPTION reply is sent to the client and the task is abnormally terminated with a CICS transaction dump.

User Response: Check the system log to determine the reason for the original abend. Resolve the problem and resubmit the request.

Modules: DFHIIOP DFHIIOPA

AIO1

Explanation: A call to the Socket domain has failed when the IIOP code was attempting to send or receive data.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Modules: DFHIIOP DFHIIOPA

AIO2

Explanation: The IIOP/CORBA data stream contained an invalid header or data structure.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Modules: DFHIIOP DFHIIOPA

AIO3

Explanation: The WRITEQ/READQ TS call detected that the queue has been modified by another process.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Modules: DFHIIOP DFHIIOPA

AIO4

Explanation: The IIOP transaction CIOF etc. has been started incorrectly, e.g. by CECI START TR(CIOF)

System Action: The task is terminated.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Modules: DFHIIOP DFHIIOPA

AISA

Explanation: The mirror transaction (CSMI) has been attached from some facility other than a terminal. This is not permitted.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: Using the dump, check the field TCAFCAAA to identify the invalid attach.

Module: DFHMIRS

AISB

Explanation: The mirror transaction (CSMI) has detected errors in the data passed to it from the attaching transaction.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: The invalid input will be visible in the transaction dump. This error is likely to be caused by some mismatch between the two systems. A typical example might be a DL/I request received on a system generated without DL/I.

Module: DFHMIRS

AISC

Explanation: The mirror transaction (CSMI) has not received a TIOA from the terminal.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: Use the trace in the dump and the dumped TCTTE to analyze the problem further.

Module: DFHMIRS

AISD

Explanation: The mirror program executed the request and received a nonzero return code as a result. The data flow control state of the intersystem link being used was such that this information could not be returned normally.

System Action: The mirror task is abnormally terminated with a CICS transaction dump.

User Response: The transaction dump provided will provide information required to analyze the source of the nonzero return code at its point of origin.

Module: DFHMIRS

AISF

Explanation: The CICS mirror program DFHMIRS has been attached in an unsupported manner. The principal facility for the mirror transaction is defined as APPC, however the conversation is unmapped.

System Action: CICS abnormally terminates the transaction with a transaction dump.

User Response: There is a problem with the system that caused the mirror transaction to be attached. You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHMIRS

AISG

Explanation: The mirror program executed the request and produced the reply. This would not be sent because the data flow control state of the intersystem link was such that this could not be done.

System Action: The task (CSMI) is abnormally terminated with a CICS transaction dump.

User Response: Use the transaction dump provided to analyze the problem.

Module: DFHMIRS

AISH

Explanation: The new connection task, CSNC, has been invoked in an incorrect manner (for example, from a terminal or via an EXEC CICS START request).

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: None.

Module: DFHCRNP

AISI

Explanation: A function shipping request was passed by DFHEIP to DFHISP. This was found to be invalid by the transformer, DFHXFP.

System Action: The transaction issuing the function shipping request is abnormally terminated with a CICS transaction dump.

User Response: The transaction dump will provide information to further analyze the problem.

Module: DFHISP

AISJ

Explanation: The IRC control task CSNC has abended because the attempt to LINK to DFHCRR failed.

System Action: CSNC is abnormally terminated with a system dump. All tasks using MRO links to other systems are abnormally terminated. All tasks in other CICS regions (including shared database batch regions) that are currently communicating with this system are also abnormally terminated.

User Response: Ensure that program DFHCRR is available.

Module: DFHCRNP

AISK

Explanation: The user transaction has been abnormally terminated during the execution of a function shipping request on an APPC session. This has happened because the mirror transaction on the remote system has abnormally terminated, and caused a request for syncpoint rollback to be sent across the session. CICS abends the user transaction in these circumstances so that function shipping remains transparent to the transaction.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: Check the log on the mirror system to determine the reason for the original abend of the mirror task.

Module: DFHISP

AISL

Explanation: The LU services manager transaction has been started directly from a user terminal. This is not permitted.

System Action: The task is abnormally terminated with a transaction dump.

User Response: None. The LU services manager transaction must be started internally by CICS.

Modules: DFHLUP, DFHCLS3, DFHCLS4, DFHZLS1

AISN

Explanation: Task CSNC attempted to acquire a SUSPEND TOKEN to enable it to suspend itself until further work arrives. The attempt failed.

System Action: CSNC is abnormally terminated with a dump. The IRC facility is disabled.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHCRNP

AISO

Explanation: Task CSNC attempted to suspend itself, awaiting further work. The attempt failed.

System Action: CSNC is abnormally terminated with a dump. The IRC facility is disabled.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHCRNP

AISP

Explanation: A mirror transaction (transaction identifiers CSHR, CSM1, CSM2, CSM3, CSM5, or CSMI) has been invoked with an invalid principal facility. The mirror transaction executes with an MRO session, an LU6.1 session or an APPC session as its principal facility.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: Do not attempt to invoke the mirror transaction by entering the transaction identifier at a terminal.

Module: DFHMIRS

AISQ

Explanation: An EXEC CICS command has been issued against a CPI Communications session. A CPI Communications session is one that has a CPI-Communications Control Block (CPC) associated with it.

System Action: The mirror task is abnormally terminated with a CICS transaction dump.

User Response: Do not mix EXEC commands with CPI Communications calls on the same end of a conversation.

Module: DFHMIRS

AISR

Explanation: The CICS Inter-Region Session Recovery Program (DFHCRR) has been invoked in an incorrect manner, for example, from a terminal.

System Action: The program DFHCRR is abnormally terminated with a CICS transaction dump.

User Response: None.

Module: DFHCRR

AISS

Explanation: A security violation has occurred while CICS was attempting to start a conversation with a remote APPC system. The security access level of the requestor was insufficient to access the transaction on the connected APPC system. Depending on the nature of the request and the way security has been set up, the requestor with an insufficient access level can be the local CICS system, the requesting transaction, or the terminal user.

Note: DTP programs do not abend with code AISS after a security failure in the remote region.

System Action: The transaction is abnormally terminated with a transaction dump.

User Response: First, verify that the access was correctly denied. Then, if required, change the access level.

Module: DFHZARM

AIST

Explanation: An unexpected return code has been returned after a DFHTC TYPE=LOCATE command.

System Action: CSNC is abnormally terminated with a system dump. All tasks using MRO links to other systems are abnormally terminated. All tasks in other CICS regions (including shared database batch regions) that are currently communicating with this system are also abended.

User Response: The trace in the system dump should be used to analyze the problem further.

Module: DFHCRNP

AISU

Explanation: An INVALID, DISASTER, or EXCEPTION condition has occurred on a call to the storage manager domain (SM) to FREEMAIN a FCENT control block.

The domain that detected the original error provides an exception trace, a console message and, possibly, a system dump.

System Action: The task is abnormally terminated with a transaction dump.

User Response: See the related message from the domain that detected the original error.

Module: DFHMIRS

AISV

Explanation: A PURGED condition has occurred on a call to the storage manager domain (SM) to FREEMAIN a FCENT control block.

The domain that detected the original error provides an exception trace, a console message and, possibly, a system dump.

System Action: The task is abnormally terminated with a transaction dump.

User Response: Investigate why the task was purged. This is either as a result of a purge from the master terminal operator via the CEMT transaction, or by the task being timed out after waiting for longer than the DTIMOUT (deadlock timeout) value specified for the transaction.

If the master terminal operator purged the task, this may have been in an attempt to clear the system which appeared to be deadlocked for some reason.

If the task was timed out automatically as a result of the DTIMOUT value being exceeded, this may be due to insufficient main storage being available for the number of tasks in the system. If the amount of main storage cannot be increased, reduce the number of tasks in the system to avoid short-on-storage situations. Another possibility is to increase the value of the DTIMOUT option for the transaction.

Module: DFHMIRS

AISW

Explanation: An INVALID, DISASTER, or EXCEPTION condition has occurred on a call to the storage manager domain (SM) to GETMAIN or FREEMAIN a CRB control block.

The domain that detected the original error provides an exception trace, a console message and, possibly, a system dump.

System Action: The task is abnormally terminated with a transaction dump.

User Response: See the related message from the domain that detected the original error.

Module: DFHCRSP

AISX

Explanation: A PURGED condition has occurred on a call to the storage manager domain (SM) to GETMAIN or FREEMAIN a CRB control block.

The domain that detected the original error provides an exception trace, a console message and, possibly, a system dump.

System Action: The task is abnormally terminated with a transaction dump.

User Response: Investigate why the task was purged. It was purged either as a result of a purge from the master terminal operator via the CEMT transaction, or by the task being timed out after waiting for longer than the DTIMOUT (deadlock timeout) value specified for the transaction.

If the master terminal operator purged the task, this may have been in an attempt to clear the system which appeared to be deadlocked for some reason.

If the task was timed out automatically as a result of the DTIMOUT value being exceeded, this may be due to insufficient main storage being available for the number of tasks in the system. If the amount of main storage cannot be increased, reduce the number of tasks in the system to avoid short-on-storage situations. Another possibility is to increase the value of the DTIMOUT option for the transaction.

Module: DFHCRSP

AISY

Explanation: The LU services manager transaction has been started, but invalid parameters have been detected.

System Action: The task is abnormally terminated with a transaction dump.

User Response: See message DFHZC4921 for further guidance.

Module: DFHLUP

AISZ

Explanation: DFHMXP has received an unexpected reply when committing START PROTECT NOCHECK requests sent on a LUTYPE6.2 synclevel 1 conversation.

System Action: The task is abnormally terminated.

User Response: Determine what happened to transaction CVMI in the partner system. If the START PROTECT NOCHECK requests had been committed, no further action is necessary. If they had not been committed, user-defined action is required to recover from the error.

Module: DFHMXP

AIS1

Explanation: An unexpected return code has been returned after a DFHMROQM FUNC=ENQ command was issued.

This command was issued when enqueueing work for the IRC control task (CSNC) during IRC initialization.

System Action: If IRC is being initialized during CICS initialization (as a result of IRCSTRT being specified in the DFHSIT or override parameters), then CICS is abnormally terminated.

If IRC is being initialized during the execution of a CEMT SET IRC OPEN command, then the CEMT transaction is abnormally terminated.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHCRSP

AIS2

Explanation: An unexpected return code has been returned after a DFHMROQM FUNC=WAIT_Q command was issued.

This command was issued when waiting for more IRC work to process.

System Action: CSNC is abnormally terminated with a system dump. All tasks using MRO links to other systems are abnormally terminated.

All tasks in other CICS regions (including shared database batch regions) that are currently communicating with this system are also abended.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHCRNP

AIS3

Explanation: An attempt to issue a STCK (Store Clock) instruction failed.

System Action: CSNC is abnormally terminated with a system dump.

All tasks using MRO links to other systems are abnormally terminated.

All tasks in other CICS regions (including shared database batch regions) that are currently communicating with this system are also abended.

User Response: Repair or enable the system clock.

Module: DFHCRNP

AIS4

Explanation: An unexpected return code has been returned after a DFHMROQM FUNC=ENQUEUE command. This command was issued when enqueueing work to the IRC ‘delayed work’ queue.

System Action: CSNC is abnormally terminated with a system dump. All tasks using MRO links to other systems are abnormally terminated.

All tasks in other CICS regions (including shared database batch regions) that are currently communicating with this system are also abended.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHCRNP

AIS5

Explanation: An unexpected return code has been returned after a DFHMROQM FUNC=ENQUEUE command was issued.

This command was issued when enqueueing work to the IRC ‘immediate work’ queue.

System Action: CSNC is abnormally terminated with a system dump. All tasks using MRO links to other systems are abnormally terminated.

All tasks in other CICS regions (including shared database batch regions) that are currently communicating with this system are also abended.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHCRNP

AIS6

Explanation: An INVALID, DISASTER or EXCEPTION condition has occurred on a call to the storage manager domain (SM) to GETMAIN or FREEMAIN a file control read set buffer.

The domain that detected the original error provides an exception trace, a console message and, possibly, a system dump.

System Action: The task is abnormally terminated with a transaction dump.

User Response: See the related message from the domain that detected the original error.

Module: DFHMIRS

AIS7

Explanation: A PURGED condition has occurred on a call to the storage manager domain (SM) to FREEMAIN a file control read set buffer.

The domain that detected the original error provides an exception trace, a console message and, possibly, a system dump.

System Action: The task is abnormally terminated with a transaction dump.

User Response: Investigate the reason why the task was purged. It was purged either by the master terminal operator , or as a result of a deadlock timeout.

Module: DFHMIRS

AIS8

Explanation: An internal logic error has been detected in module DFHMIRS.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHMIRS

AIS9

Explanation: The mirror program has detected that a DPL server program has returned in an invalid state following the completion of the LINK command. The server program or a program it linked to has initiated a synclevel 2 conversation with another program which in turn has issued a syncpoint. The server program has not responded to the syncpoint request which is still outstanding when control returns to the mirror program.

The mirror program only issues this abend code if the LINK request did not specify SYNCONRETURN.

System Action: The task is abnormally terminated with a transaction dump.

User Response: Correct the design of the DTP application or applications initiated by the server program. If the SYNCONRETURN option is not specified on the LINK request, only the client program should initiate the syncpoint. If it is necessary to issue syncpoint requests from the DTP applications, consider using the SYNCONRETURN option on the LINK request. See the *CICS Intercommunication Guide* for further details of the LINK command and its options.

Module: DFHMIRS

AITA

Explanation: An error (INVALID, DISASTER or unexpected EXCEPTION response) has occurred on a call to the recovery manager (RM) domain to initialize the recovery status of an IRC session. The domain provides an exit trace, and possibly a console message and a system dump (depending on the options specified in the dump table).

This failure is either the result of a task purge, or a CICS logic error,

System Action: The CSNC task is abnormally terminated with a CICS transaction dump.

User Response: See the related diagnostic material produced by the recovery manager domain and determine the reason for the failure. In the case of a CICS logic error, you need further assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHCRNP

AITB

Explanation: An error (INVALID, DISASTER or unexpected EXCEPTION response) has occurred on a call to the recovery manager (RM) domain. The domain provides an exit trace, and possibly a console message and a system dump (depending on the options specified in the dump table).

This failure is either the result of a task purge, or a CICS logic error,

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: See the related diagnostic material produced by the recovery manager domain and determine the reason for the failure. In the case of a CICS logic error, you need further assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHISP

AITC

Explanation: An error (INVALID, DISASTER or unexpected EXCEPTION response) has occurred on a call to the recovery manager (RM) domain. The domain provides an exit trace, and possibly a console message and a system dump (depending on the options specified in the dump table).

This failure is either the result of a task purge, or a CICS logic error,

System Action: The mirror task is abnormally terminated with a CICS transaction dump.

User Response: See the related diagnostic material produced by the recovery manager domain and determine the reason for the failure. In the case of a CICS logic error, you need further assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHMIRS

AITD

Explanation: The mirror program has received an unexpected response from the RX domain.

There are several reasons why this error may occur:

- A request received from an EXCI client is inconsistent with an earlier request in the same Unit of Work
- CICS has received an unexpected response from the Recoverable Resource Management Services component of MVS.
- There has been an internal error in the RX domain.

System Action: The mirror task is abnormally terminated with a CICS transaction dump.

User Response: Use the exception trace provided by the RX domain to determine the reason for the failure. If the error is caused by an inconsistent request from an EXCI client, there may be an error in the client program.

In the other cases, you might need further assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHMIRS

AITE

Explanation: A transaction has executed a transactional EXCI request from a batch region, and has been waiting for one of the following events for longer than the interval specified in the RTIMOUT value for the transaction.

- A further transactional EXCI request from the batch region
- A syncpoint initiated by Resource Recovery Management Services (RRMS).

System Action: The mirror task is abnormally terminated with a CICS transaction dump.

User Response: Determine why the expected event has not occurred:

If a further transactional EXCI request is expected

- The batch program may be suspended

If a syncpoint is expected

- The batch program may be suspended before reaching syncpoint
- RRMS may have started syncpoint processing but is waiting for another Resource Manager to respond to the syncpoint request.

See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHMIRS

AITF

Explanation: A transaction has executed a transactional EXCI request from a batch region, and has been purged while waiting for one of the following events:

- A further transactional EXCI request from the batch region
- A syncpoint initiated by Resource Recovery Management Services (RRMS).

System Action: The mirror task is abnormally terminated with a CICS transaction dump.

User Response: Determine why the expected event has not occurred:

If a further transactional EXCI request is expected

- The batch program may be suspended

If a syncpoint is expected

- The batch program may be suspended before reaching syncpoint
- RRMS may have started syncpoint processing but is waiting for another Resource Manager to respond to the syncpoint request.

See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHMIRS

AITG

Explanation: A transaction has executed a transactional EXCI request from a batch region, and both of the following events has occurred:

- A further transactional EXCI request from the batch region
- A syncpoint initiated by Resource Recovery Management Services (RRMS).

Normally, only one event should occur, and not both.

System Action: The mirror task is abnormally terminated with a CICS transaction dump.

User Response: Determine why both events have occurred. This situation may arise when an EXCI client times out on a DPL request that CICS is not ready to receive and then proceeds to take a syncpoint. If this is not the case, you may need assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHMIRS

AJA0

Explanation: The native method SetAbendForCondition has been passed an Resp value by the Wrapper class.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFJCICS

AJCD

Explanation: An error (INVALID, DISASTER, or unexpected EXCEPTION response) has occurred on a call to the storage manager (SM) domain. The domain that detected the original error provides an exception trace, a console message, and possibly a system dump (depending on the options in the dump table).

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: See the related message from the domain that detected the original error.

Module: DFHJCP

AJCE

Explanation: The task was purged before a GETMAIN request to the storage manager (SM) domain was able to complete successfully. The domain that first detected the purged condition provides an exception trace.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: Investigate why the task was purged. It was purged either as a result of a purge from the master terminal operator via the CEMT transaction, or by the task being timed out after waiting for longer than the DTIMOUT (deadlock timeout) value specified for the transaction.

If the master terminal operator purged the task, this may have been in an attempt to clear the system which appeared to be deadlocked for some reason.

If the task was timed out automatically as a result of the DTIMOUT value being exceeded, this may be due to insufficient main storage being available for the number of tasks in the system. If the amount of main storage cannot be increased, reduce the number of tasks in the system to avoid short-on-storage situations. Another possibility is to increase the value of the DTIMOUT option for the transaction.

Module: DFHJCP

AJCS

Explanation: An error (INVALID, DISASTER, or unexpected EXCEPTION response) has occurred on a call to the log manager (LM) domain. The domain that detected the original error provides an exception trace, a console message, and possibly a system dump (depending on the options in the dump table).

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: See the related message from the domain that detected the original error.

Module: DFHJCP

AJCT

Explanation: An error (INVALID, DISASTER, or unexpected EXCEPTION response) has occurred on a call to the recovery manager (RM) domain. The domain that detected the original error provides an exception trace, a console message, and possibly a system dump (depending on the options in the dump table).

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: See the related message from the domain that detected the original error.

Module: DFHJCP

AJCU

Explanation: A purge response has been received from either the log manager or or the recovery manager. The domain that detected the original purge condition provides an exception trace.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: Investigate why the task was purged. It was purged either as a result of a purge from the master terminal operator via the CEMT transaction, or by the task being timed out after waiting for longer than the DTIMOUT (deadlock timeout) value specified for the transaction.

If the master terminal operator purged the task, this may have been in an attempt to clear the system which appeared to be deadlocked for some reason.

If the task was timed out automatically as a result of the DTIMOUT value being exceeded, this may be due to insufficient main storage being available for the number of tasks in the system. If the amount of main storage cannot be increased, reduce the number of tasks in the system to avoid short-on-storage situations. Another possibility is to increase the value of the DTIMOUT option for the transaction.

Module: DFHJCP

AJ01

Explanation: The main method of the java environment setup class, Wrapper, has been invoked without an an argument. Wrapper main expects the class name of the user's main to be passed as the first argument.

The callUserClass method of Wrapper detects this, sets return code INVALID_ARGUMENTS and invokes native method SetAbend to abend the task.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFJCICS

AJ02

Explanation: A CICS AbendError has been caught by the java environment setup class, Wrapper.

The callUserClass method of Wrapper detects this, sets return code ABEND_RECEIVED and invokes native method SetAbend to abend the task.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: See related messages to determine the reason for the original abend.

Module: DFJCICS

AJ03

Explanation: A CicsConditionException has been caught by the java environment setup class, Wrapper.

The callUserClass method of Wrapper detects this, sets return code CONDITION_RECEIVED and invokes native method SetAbendForCondition to abend the task. The appropriate default abend code for the condition should be issued but, if for some reason this is not possible, an AJ03 abend may be issued.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: See related messages to determine the reason for the original CicsConditionException.

Module: DFJCICS

AJ04

Explanation: An unexpected error has been caught by the java environment setup class, Wrapper, attempting to invoke the user class.

The callUserClass method of Wrapper detects this, sets return code UNEXPECTED_EXCEPTION and invokes native method SetAbend to abend the task.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFJCICS

AJ05

Explanation: An unhandled exception has been caught by the java environment setup class, Wrapper, as an InvocationTargetException from the user class.

The callUserClass method of Wrapper detects this, sets return code INVOCATION_TARGET_EXCEPTION and invokes native method setAbend to abend the task.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFJCICS

AJ07

Explanation: The java environment setup class, Wrapper, has been unable to invoke the user's main method. The class whose name was passed as an input parameter to its CallUserClass method was not found.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: If your java program has been bound using ET/390, check that the -main option correctly specifies, or defaults to, the name of the class containing your main method.

Module: DFJCICS

AJ09

Explanation: The java environment setup class, Wrapper, has been unable to invoke the user's main method. A public static method, taking either a CommAreaHolder or a String array as input, was not found in the class whose name was passed as an input parameter to the CallUserClass method of Wrapper.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: Check that you have provided a main method, with an appropriate method signature, in the specified class. If your java program has been bound using ET/390, check that the

-main option correctly specifies, or defaults to, the name of the class containing your main method.

Module: DFJCICS

AJ99

Explanation: The java environment setup class, Wrapper, has detected an AbendException and issued setAbend. The abend code extracted from the AbendException is too long.

System Action: Task abnormal termination continues with the abend code set to AJ99

User Response: Correct the abend code String used to create the AbendException.

Module: DFJCICS

AJMA

Explanation: The CICS JVM interface attempted to change the HFS working directory to the pathname specified in the CICS_HOME environment variable. The change directory request failed.

System Action: Message DFHAP1216 output to destination CSMT contains the pathname specified and the reason why the request failed. The task is abnormally terminated with a CICS transaction dump.

User Response: Examine message DFHAP1216 to determine why the change directory request failed. If necessary correct the setting of environment variable CICS_HOME in the DFHJVM member of the SDFHENV dataset.

Module: DFHCJVM

AJMB

Explanation: The CICS-JVM interface has rejected an attempt to invoke a Java program to run under control of a JVM because a previous JVM for the same CICS task terminated abnormally. The CICS-JVM interface is unable to create a JVM to run the Java program.

This error occurs when the previous JVM was terminated because of a Java program invoking the Java system.exit method and because errors occurred during the subsequent JVM termination. A system.exit invocation causes a forced termination of the JVM and the LE/370 runtime environment.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: Examine why the previous JVM termination failed. Wherever possible avoid the use of system.exit to return from Java programs.

Module: DFHAPLJ

AJM1

Explanation: The CICS JVM interface issued a JNI_CreateJavaVM request to create a Java Virtual Machine (JVM) under which to run the Java program. The JNI_CreateJavaVM request failed.

DFHCJVM provides an exception trace, console message DFHAP0002, and possibly a system dump (depending on the options in the dump table).

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: Examine error messages output by language environment/370 and the Java Native Interface (JNI) to destination CEEMSG to determine why the creation of the JVM failed.

One reason for the creation of a JVM to fail is due to lack of available storage within the CICS region but outside of the CICS DSAs, resulting in a error message from the JNI stating that classes cannot be found. The JVM executes inside CICS but runs under a CICS J8 TCB and uses MVS getmained storage. There must be adequate storage available below and above the line within the region but outside if the CICS DSAs to allow the MVS JVM to execute and load the Java code.

Module: DFHCJVM

AJM2

Explanation: The CICS JVM interface invoked the JVM to locate the CICS Wrapper class used to set up the operating environment before executing the user Java class. The JVM failed to find the CICS Wrapper class on the HFS.

Message DFHAP1218 output to destination CSMT contains the CICS Wrapper classname. DFHCJVM provides an exception trace containing the name of CICS Wrapper class and the current setting for CLASSPATH.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: Examine the value set for CLASSPATH in the DFHJVM member of the SDFHENV dataset. The pathname for the CICS supplied dfjwrap.jar must be present in CLASSPATH.

Module: DFHCJVM

AJM3

Explanation: The CICS JVM interface invoked the JVM to find the main method of the CICS Wrapper class used to set up the operating environment before executing the user Java class. The JVM failed to find the main method of the CICS Wrapper class.

DFHCJVM provides an exception trace, console message DFHAP0002, and possibly a system dump (depending on the options in the dump table).

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: Examine the HFS files used for stdout and stderr (as named by the environment variables STDOUT & STDERR, whose default names are dfhjvmout and dfhjvmerr) for error messages output by the JVM. Also examine destination CEEMSG for error messages output by language environment/370 and the Java Native Interface (JNI). You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHCJVM

AJM4

Explanation: The CICS JVM interface invoked the JVM to build an Java argument string needed to pass to the CICS Wrapper class. The build argument string request failed.

DFHCJVM provides an exception trace, console message DFHAP0002, and possibly a system dump (depending on the options in the dump table).

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: Examine the HFS files used for stdout and stderr (as named by the environment variables STDOUT &

STDERR, whose default names are dfhjvmout and dfhjvmerr) for error messages output by the JVM. Also examine destination CEEMSG for error messages output by language environment/370 and the Java Native Interface (JNI). You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHCJVM

AJM5

Explanation: The CICS Wrapper class threw an exception.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: Examine the HFS file used for stderr (as named by the environment STDERR, whose default name is dfhjvmerr) to determine the exception thrown by the Wrapper.

Module: DFHCJVM

AJM6

Explanation: The CICS JVM interface issued a call to setup CICS Recovery facilities prior to issuing a call to CICS, for example prior to invoking CICS trace domain. The call to setup CICS Recovery facilities failed.

DFHCJVM provides an exception trace, console message DFHAP0002, and possibly a system dump (depending on the options in the dump table).

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHCJVM

AJM7

Explanation: The CICS JVM interface issued a call to delete CICS Recovery facilities after issuing a call to CICS, for example after invoking CICS trace domain. The call to delete CICS Recovery facilities failed.

DFHCJVM provides an exception trace, console message DFHAP0002, and possibly a system dump (depending on the options in the dump table).

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHCJVM

AJM8

Explanation: The CICS JVM interface invoked the JVM to execute the CICS Wrapper class and then the user Java class. A severe error occurred whilst the JVM was executing causing the JVM to abend, the language environment/370 ESTAE to be run, and control to return abnormally to DFHAPLJ.

DFHAPLJ provides an exception trace, console message DFHAP0002, and possibly a system dump (depending on the options in the dump table).

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: Examine the HFS files used for stdout and stderr (as named by the environment variables STDOUT & STDERR, whose default names are dfhjvmout and dfhjvmerr) for error messages output by the JVM. Also examine destination CEEMSG for error messages output by language environment/370 and the Java Native Interface (JNI). You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHAPLJ

AJM9

Explanation: The CICS JVM interface issued a fetch to load user replaceable module DFHJVMAT. The native C fetch request failed.

System Action:

Message DFHAP1217 is output to destination CSMT and the task is abnormally terminated with a CICS transaction dump.

User Response: Ensure that C program DFHJVMAT is present in a dataset in the CICS STEPLIB concatenation. Examine destination CEEMSG for messages output by language environment/370 to determine why the fetch request failed.

Module: DFHCJVM

AKCB

Explanation: The CICS transaction manager restart task could not complete because a necessary step failed. The task has done some essential recovery operations and abnormally terminated itself with code AKCB.

System Action: CICS writes a transaction dump for the transaction manager restart task.

CICS sends three messages to the console, one to identify the error detected by the transaction manager restart task, one to say that the task has failed, and one that gives you the option of canceling CICS or letting it continue. Depending on the nature of the original error, you may see messages from some other system component (for example, an access method).

User Response: Use the messages and dumps to find out the cause of the failure.

Module: DFHKCRP

AKCC

Explanation: The CICS transaction manager has abended the transaction because the purge threshold of its TRANCLASS has been reached. This is specified by the PURGETHRESH parameter on CEDA DEFINE TRANCLASS. See the *CICS Resource Definition Guide* manual for more details of this parameter.

System Action: The transaction is abended and messages DFHAC2004 and DFHAC2236 are issued. The transaction dump is suppressed for this abend code.

User Response: Resubmit the transaction. The cause of the abend may be a temporary stress condition in the system.

If the problem persists, determine why the TRANCLASS purge threshold has been reached. Ensure that PURGETHRESH has been specified correctly. Also, ensure that the MAXACTIVE value of the TRANCLASS has not been set too low. Transactions attached after the MAXACTIVE limit has been reached are immediately queued subject to the PURGETHRESH limit.

If PURGETHRESH and MAXACTIVE are set correctly, look for a more general problem which has caused a decrease in the capacity of the system to execute transactions in the TRANCLASS. The

decrease might, for example, be caused by a connected CICS region which processes requests for transactions in the TRANCLASS, if this connected region has slowed down.

Examine all resources (files, links, storage, and so on) used by the transactions in the TRANCLASS which is reaching the purge threshold and determine why the capacity of the system is reduced.

Modules: DFHXMAT, DFHXMCL

AKCE

Explanation: While CICS transaction manager was recording changes to a transaction or profile definition, a write to the system log failed.

System Action: CICS terminates the transaction with a transaction dump.

User Response: Use the dumps to find out why the write to the log failed.

Module: DFHKCQ

AKCF

Explanation: While CICS transaction manager was recording changes to a profile definition, a write to the catalog failed.

System Action: CICS terminates the transaction with a transaction dump.

User Response: Use the dumps to find out why the write to the catalog failed.

Module: DFHKCQ

AKCR

Explanation: Transaction manager has received an invalid request code. The last AP F000 trace entry before the program control program (PCP) ABEND TRACE entry (TRACE ID 'F2', request code X'6000') will contain the invalid transaction manager request code in the fifth byte of the first section of the trace.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: Determine the cause of the invalid request code and correct the problem.

Module: DFHXCP

AKCS

Explanation: A deadlock timeout condition has been detected. This condition may occur within a transaction that specifies DTIMOUT to be nonzero on its installed transaction definition. Deadlock timeout occurs when a transaction has been waiting or has been suspended for longer than the time specified in DTIMOUT.

The abend may be driven by a variety of internal CICS events, for example:

- A short on storage condition
- A temporary storage shortage
- ENQUEUE
- An ALLOCATE request
- A RETRIEVE WAIT request.

The abend can also occur if CICS stops running for a time, for example while an sdump is taken. This is because deadlock timeout is based on total elapsed time, and not just the time CICS is executing.

Analysis: The transaction receiving the AKCS abend must have been suspended or must be waiting for a reason such as a short on storage, enqueued on a lock, a short on temporary storage, a suspend after RETRIEVE WAIT, a suspend after ALLOCATE, or an implicit ALLOCATE within function shipping or terminal sharing support. If none of these apply, the trace might reveal some event that has caused CICS to stop running for a time.

System Action: The transaction is abnormally terminated. A dump is not provided (even if a dump table entry has been set up) unless install/delete processing causes this abend, in which case a transaction dump is taken.

User Response: The transaction should be reexecuted, and the situation causing the SUSPEND to occur may clear itself.

The AKCS abend is to be expected occasionally, unless DTIMOUT is set to zero. No special action is necessary.

Module: DFHXCP

AKCT

Explanation: A terminal read-time-out condition has been detected. The transaction has been waiting for a terminal input message for an interval longer than specified in the RTIMOUT value for that transaction.

If an EXEC CICS HANDLE ABEND has been issued for this task, the read that was timed-out is still outstanding. To cancel this read you should issue an EXEC CICS ABEND at the end of the user exit routine so that CICS can clean up the terminal's TCTTE.

System Action: The transaction is abnormally terminated. A transaction dump is not provided.

User Response: This abend is a normal one. Coding RTIMOUT in the PROFILE entry asks for the task to be abnormally terminated if the terminal does not send input within the specified time.

Module: DFHXCP

AKCV

Explanation: A bad return code was passed as a result of the resume of a task suspended by ICP.

System Action: The transaction is terminated with a dump.

User Response: Check the response from the resume in the trace to determine the cause of the error.

Module: DFHALP

AKC0

Explanation: An attempt has been made to run the CICS internal task CSSY as a user transaction.

System Action: CICS terminates the task with a transaction dump.

User Response: Investigate why the attempt was made to run CSSY as a user transaction.

Module: DFHAPATT

AKC1

Explanation: A DFHKC WAIT request was issued when the ECB was already marked as waiting.

System Action: There is a probable user error. The transaction is abnormally terminated.

User Response: Correct the program that issued the request.

Module: DFHXCP

AKC2

Explanation: A bad response has been received from a dispatcher (DS) domain call.

System Action: The transaction is abnormally terminated with a transaction dump and a trace entry.

User Response: Examine the trace entry for further information.

Module: DFHXCP

AKC3

Explanation: The task has been purged, probably due to operator action such as a CEMT TASK PURGE command. The task might also have been purged as a result of CICS issuing a purge request.

System Action: The transaction is abnormally terminated with a transaction dump.

User Response: Use the transaction dump to determine why the task was purged. In particular, if the purge was operator initiated, the dump should be useful in determining why this task needed to be explicitly purged.

Modules: DFHXCP, DFHXMAT, DFHXMCL, DFHXMIQ, DFHXMTA

AKC6

Explanation: DFHKC RESUME should always be preceded by DFHKC SUSPEND. If this protocol is violated then the transaction is abnormally terminated with abend code AKC6.

System Action: Transaction is abnormally terminated with abend code AKC6.

User Response: Examine the trace entry for further information.

Module: DFHXCP

AKC8

Explanation: A bad response has been received from a call to the kernel (KE) domain during the processing of a task purge request.

System Action: The transaction is abended with a transaction dump.

User Response: Examine the dump and any exception trace entries for further information.

Module: DFHXCP

AKC9

Explanation: An incorrect response has been received from a call to the enqueue (NQ) domain during the processing of a DFHKC TYPE=ENQ or a DFHKC TYPE=DEQ request.

System Action: The transaction is abnormally terminated with a transaction dump.

User Response: Examine the dump and any exception trace entries for further information. Since the DFHKC service is only used for internal enqueues, this abend indicates an error in CICS. You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHXCP

AKEA

Explanation: A program check has been detected by the kernel (KE) domain.

System Action: If an application is in control, the ASRA abend is presented to the application. Otherwise, the functional recovery routine of the CICS module in control at the time is given control. This recovery routine produces suitable diagnostics and may terminate CICS.

User Response: Look at the kernel domain section of the system dump to determine where the program check has occurred.

Module: DFHKESTX

AKEB

Explanation: An operating system abend has been detected by the kernel (KE) domain.

System Action: If an application is in control, the ASRB abend is presented to the application. Otherwise, the functional recovery routine of the CICS module in control at the time is given control. This recovery routine produces suitable diagnostics and may terminate CICS.

User Response: Check the console for any MVS messages that may have caused this abend.

Look at the kernel domain section of the system dump to determine where the abend has occurred.

Module: DFHKESTX

AKEC

Explanation: The kernel (KE) domain has detected runaway.

System Action: If an application is in control, the AICA abend is presented to the application. Otherwise, the functional recovery routine of the CICS module in control at the time is given control. This recovery routine produces suitable diagnostics and may terminate CICS.

User Response: Look at the kernel domain section of the system dump to determine where the runaway has occurred.

Modules: DFHKESTX, DFHKERRU

AKED

Explanation: The kernel (KE) domain has been requested to initiate abend processing as a result of a deferred abend request.

System Action: Abend processing starts for the task that is subject to the deferred abend request.

User Response: The task is not abended with AKED but by an abend code specified by the requestor of the deferred abend. See the description of this abend for further guidance.

Module: DFHKEEDA

AKEF

Explanation: The kernel (KE) domain has detected an error while processing a domain call. The error may have been caused by a domain gate that was not yet active during initialization

System Action: If an application is in control, the transaction terminates with a system dump. Otherwise, the functional recovery routine of the CICS module in control at the time is given control. This recovery routine produces suitable diagnostics and may terminate CICS.

User Response: See any related messages from the kernel domain.

Look at the kernel domain section of the system dump to determine where the error has occurred. Check that a call has not been made to a domain gate that has not yet been made active. Check that the caller has NOT specified KERNERROR(YES).

Module: DFHKERKE

AKEG

Explanation: The kernel (KE) domain issued an MVS GETMAIN for kernel stack storage, but the GETMAIN request failed.

System Action: If an application is in control, the transaction terminates with a system dump. Otherwise, the functional recovery routine of the CICS module in control at the time is given control. This recovery routine produces suitable diagnostics and may terminate CICS.

User Response: Look at the kernel domain section of the system dump to determine why sufficient storage was not available.

Check that the REGION parameter for the CICS job is large enough. For information about how to do this, refer to the *OS/390 MVS JCL Reference*.

Module: DFHKESGM

AKEH

Explanation: The transaction was purged while running outside the control of CICS.

System Action: CICS terminates the transaction abnormally.

The EXEC CICS HANDLE ABEND command can not handle this abend.

User Response: Investigate the reason the transaction was purged.

Module: DFHKESTX

AKEI

Explanation: The kernel (KE) domain has detected runaway while the transaction is running outside the control of CICS.

System Action: If an application is in control, the AICA abend is presented to the application. Otherwise, the functional recovery routine of the CICS module which was last in control at the time of runaway detection is given control. This recovery routine produces suitable diagnostics and may terminate CICS.

The EXEC CICS HANDLE ABEND command can not handle this abend.

User Response: See the *CICS Problem Determination Guide* for guidance on dealing with loops.

Module: DFHKESTX

AKEZ

Explanation: A user attach has failed because there are insufficient kernel tasks available. This indicates an internal logic error.

System Action: Message DFHKE0001 is issued and a system dump is taken. The attach of the user transaction fails.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHKETA

AKSE

Explanation: A user has generated an addition to the keyword table, but code has not been added to process this keyword.

System Action: The transaction is abnormally terminated and a dump is taken.

User Response: Add code to process the keyword.

Module: DFH99KC

ALGA **An error has occurred obtaining a lock within the log manager domain.**

System Action: The recovery routine of the module in control is invoked which issues message DFHLG0002 with a system dump. DFHLG0002 reports the module in control at the time of the error.

User Response: See the description of message DFHLG0002 for further guidance.

Modules: DFHLGGL, DFHLGJN, DFHLGLD, DFHLGST

ALGB

Explanation: An error has occurred releasing a lock within the log manager domain.

System Action: The recovery routine of the module in control is invoked which issues message DFHLG0002 with a system dump. DFHLG0002 reports the module in control at the time of the error.

User Response: See the description of message DFHLG0002 for further guidance.

Modules: DFHLGGL, DFHLGJN, DFHLGLD, DFHLGST

ALGC

Explanation: A disaster response has been detected when processing the building block code used by the log manager.

System Action: The recovery routine of the module in control is invoked which issues message DFHLG0002 with a system dump. DFHLG0002 reports the module in control at the time of the error.

User Response: See the description of message DFHLG0002 for further guidance.

Modules: DFHLGGL, DFHLGJN, DFHLGLD, DFHLGST

ALGD

Explanation: A disaster response has been detected when processing the building block storage interface code used by the log manager.

System Action: The recovery routine of the module in control is invoked which issues message DFHLG0002 with a system dump. DFHLG0002 reports the module in control at the time of the error.

User Response: See the description of message DFHLG0002 for further guidance.

Modules: DFHLGCM, DFHLGGL, DFHLGJN, DFHLGLD, DFHLGST

ALGE

Explanation: An unexpected error has occurred while the log manager was attempting to find a journal model definition.

System Action: The recovery routine of the module in control is invoked which issues message DFHLG0002 with a system dump. DFHLG0002 reports the module in control at the time of the error.

User Response: See the description of message DFHLG0002 for further guidance.

Module: DFHLGJN

ALGF

Explanation: An unexpected error occurred when the log manager was attempting an enqueue or dequeue operation.

System Action: The recovery routine of the module in control is invoked which issues message DFHLG0002 with a system dump. DFHLG0002 reports the module in control at the time of the error.

User Response: See the description of message DFHLG0002 for further guidance.

Modules: DFHLGGL, DFHLGJN, DFHLGST

ALGG

Explanation: Transaction CSQC has been issued from a terminal. This is not permitted. The transaction can only be started internally by CICS.

System Action: The transaction is abnorminally terminated.

User Response: Do not try to invoke CSQC from a terminal.

Module: DFHLGQC

ALIA

Explanation: CICS has issued a GETMAIN request during the initialization phase for an OS/VS COBOL application program in order to get run time storage for the task global table and working storage areas. However insufficient storage was available to satisfy the request.

System Action: CICS abnormally terminates the task. CICS processing continues.

User Response: See the related message from the Storage Manager domain where the original error was detected.

Module: DFHAPLI

ALIB

Explanation: CICS has issued a GETMAIN request during the initialization phase for a C/370 application program in order to obtain run time execution storage. However insufficient storage was available to satisfy the request.

System Action: CICS abnormally terminates the task. CICS processing continues.

User Response: See the related message from the Storage Manager domain where the original error was detected.

Module: DFHAPLI

ALIC

Explanation: CICS has issued a GETMAIN request during the initialization phase for an LE/370 application program in order to obtain run time execution storage above the 31-bit line. However insufficient storage was available to satisfy the request.

System Action: CICS abnormally terminates the task. CICS processing continues.

User Response: See the related message from the Storage Manager domain where the original error was detected.

Module: DFHAPLI

ALID

Explanation: CICS has issued a GETMAIN request during the initialization phase for an LE/370 application program in order to obtain run time execution storage below the 31-bit line. However insufficient storage was available to satisfy the request.

System Action: CICS abnormally terminates the task. CICS processing continues.

User Response: See the related message from the Storage Manager domain where the original error was detected.

Module: DFHAPLI

ALIE

Explanation: CICS has issued a GETMAIN request during the initialization phase for a C/370 application program in order to obtain thread storage. However insufficient storage was available to satisfy the request.

System Action: CICS abnormally terminates the task. CICS processing continues.

User Response: See the related message from the Storage Manager domain where the original error was detected.

Module: DFHAPLI

ALIF

Explanation: CICS has issued a GETMAIN request during the initialization phase for an LE/370 application program in order to obtain thread storage. However insufficient storage was available to satisfy the request.

System Action: CICS abnormally terminates the task. CICS processing continues.

User Response: See the related message from the Storage Manager domain where the original error was detected.

Module: DFHAPLI

ALIG

Explanation: CICS has been unable to determine the language of the user application program about to be executed. Either the program was compiled against an old level of compiler that is no longer supported by CICS, or the language of the program is not supported by CICS.

System Action: CICS abnormally terminates the task and disables the program. CICS processing continues.

User Response: Ensure that the program to be run is written in one of the languages and compiled against a level of compiler supported by CICS. See the *CICS Application Programming Guide* for details of the languages and compilers currently supported.

Module: DFHAPLI

AMI1

Explanation: When the mirror task is resumed, a bad response other than a time out or a cancellation was given by the dispatcher.

System Action: The mirror transaction is abnormally terminated with a transaction dump.

User Response: Use the dump and the trace to determine the cause of the error.

Module: DFHMIRS

AMNA

Explanation: An exception response has been received from the monitoring (MN) domain while processing a user event monitoring point (EMP) request. The exception response is produced when the 4-byte DATA1 field in the user parameter contains an invalid address.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: Use the transaction dump to determine why the DATA1 value passed to the monitoring (MN) domain was invalid.

Module: DFHCMP

AMNB

Explanation: An exception response has been received from the monitoring (MN) domain whilst processing a user event monitoring point (EMP) request. The exception response is produced when the 4-byte DATA2 field in the user parameter contains invalid data.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: Use the transaction dump to determine why the DATA2 value passed to the monitoring (MN) domain was invalid.

Module: DFHCMP

AMNZ

Explanation: An unexpected error response has been received from the monitoring (MN) domain while processing a user event monitoring point (EMP) request.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: This indicates a possible error in CICS code. An earlier CICS message is issued from the monitoring domain. Follow the user response for that message.

Module: DFHCMP

AMSA

Explanation: An input data stream received from a 3270 begins with a set buffer address (SBA) order but is not followed by two 1-byte address fields. This is probably due to a hardware error.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: It may be possible to bypass the problem by entering two spaces before the data to be entered.

If the problem persists, you need further assistance. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHMSP

AMSB

Explanation: An internal logic error has been detected in module DFHMSP.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: Retry the CMSG transaction, specifying operands in a different order. If this fails, keep the dump and contact your IBM Support Center.

Module: DFHMSP

AMSC

Explanation: The task was purged before a GETMAIN request to the storage manager (SM) domain was able to complete successfully. The task that first detected the purged condition will have provided an exception trace.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: Investigate why the task was purged. This is either as a result of a purge from the master terminal operator via the CEMT transaction, or by the task being timed out after waiting for longer than the DTIMOUT (deadlock timeout) value specified for the transaction.

If the master terminal operator purged the task, this may have been in an attempt to clear the system which appeared to be deadlocked for some reason.

If the task was timed out automatically as a result of the DTIMOUT value being exceeded, this may be due to insufficient main storage being available for the number of tasks in the system. If the amount of main storage cannot be increased, reduce the number of tasks in the system to avoid short-on-storage situations. Another possibility is to increase the value of the DTIMOUT option for the transaction.

Module: DFHMSP

AMSD

Explanation: An error (INVALID, DISASTER, or unexpected EXCEPTION response) has occurred on a call to the storage manager (SM) domain. The domain that detected the original error provides an exception trace, a console message and, possibly, a system dump (depending on the options specified in the dump table).

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: See the related error message produced by the domain that detected the original error.

Module: DFHMSP

ANQA

Explanation: An error has occurred obtaining a lock within the enqueue domain.

System Action: The recovery routine of the module in control is invoked which issues message DFHNQ0002 with a system dump. DFHNQ0002 reports the module in control at the time of the error.

User Response: See the description of message DFHNQ0002 for further guidance.

Modules: DFHNQED, DFHNQIB, DFHNQNQ, DFHNQST

ANQB

Explanation: An error has occurred releasing a lock within the enqueue domain.

System Action: The recovery routine of the module in control is invoked. This routine issues message DFHNQ0002 with a system dump. DFHNQ0002 reports the module in control at the time of the error.

User Response: See the description of message DFHNQ0002 for further guidance.

Modules: DFHNQED, DFHNQIB, DFHNQNQ, DFHNQST

ANQC

Explanation: An error has occurred obtaining a sysplex enqueue. The limit for the number of concurrent sysplex resource ENQ requests has been reached.

System Action: Module DFHNQED issues message DFHNQ0103 and the task issuing the EXEC ENQ request is abended.

User Response: See the description of message DFHNQ0103 for further guidance.

Module: DFHNQED

ANQD

Explanation: An error has occurred obtaining a sysplex enqueue. An unexpected environmental error has been detected.

System Action: Module DFHNQED issues message DFHNQ0104 and the task issuing the EXEC ENQ request is abended.

User Response: See the description of message DFHNQ0104 for further guidance.

Module: DFHNQED

ANQE

Explanation: An EXEC ENQ has been issued on a resource for wich the enqmodel is either disabled or in the waiting state.

System Action: Module DFHNQRN issues message DFHNQ0105 and the task issuing the EXEC ENQ request is abended.

User Response: See the description of message DFHNQ0105 for further guidance.

Module: DFHNQRN

APCF

Explanation: A CICS task has invoked a program which was defined as PL/I, but the program was not compiled with a supported PL/I compiler.

System Action: CICS terminates the task, and disables the program.

User Response: Check that the program is PL/I. If the program is PL/I, recompile it with the PL/I optimizing compiler; you may need to change the source program. If the program is not PL/I, redefine it correctly.

Module: DFHAPLI

APCG

Explanation: The transaction was purged either by master terminal actions or due to deadlock timeout actions as part of a request to the loader for a usable program copy. Deadlock timeout could be caused by a program whose size exceeds the available space in the DSAs or EDSAs.

System Action: CICS terminates the task with a transaction dump.

User Response: Use the dump to investigate why the transaction was purged. This may be due to waiting for loader resources or for program storage. Check the program size. It may be necessary to increase the overall size limits of the DSAs or EDSAs.

Modules: DFHACP, DFHCRNP, DFHCRSP, DFHDBCT, DFHDBDSC, DFHEDFP, DFHEIP, DFHEIPSH, DFHEIQIR, DFHEIQSJ, DFHFCRP, DFHFEP, DFHICP, DFHKCQ, DFHMCP, DFHMCPE, DFHMCY, DFHMSP, DFHPCPG, DFHPHP, DFHPSIP, DFHPUP, DFHRDCAL, DFHRTC, DFHSII1, DFHSIJ1, DFHSPP, DFHSTP, DFHTACP, DFHTBSGB, DFHTCRP, DFHTDX, DFHTFP, DFHTSPA, DFHTSRP, DFHUSBP, DFHXRCP, DFHXRE, DFHXRSP, DFHZATA, DFHZATD, DFHZCPLN, DFHZGAI, DFHZQ00, DFHZNCA, DFHZOPA, DFHZXCU

APCH

Explanation: A request for a VS COBOL II program could not be executed because a problem has occurred during system initialization for VS COBOL II. This is probably due to the absence of VS COBOL II or Language Environment support.

System Action: The transaction is abnormally terminated and the program is disabled.

User Response: Redefine the program or ensure that the correct Language Environment or VS COBOL II support is present.

Module: DFHAPLI

APCI

Explanation: A request for a PL/I program could not be executed because execution of PL/I programs has been disabled.

System Action: The transaction is abnormally terminated and the program is disabled.

User Response: Ensure that the PL/I libraries are included in DFHRPL.

Module: DFHAPLI

APCJ

Explanation: A request for a C program could not be executed either because C/370 was unable to recognize the program as having been compiled under the C/370 Compiler, or because the program was not link-edited with the attribute AMODE(31).

System Action: The transaction is abnormally terminated and the program is disabled.

User Response: Ensure that the program is correctly defined to CICS; or, if necessary, recompile the program using the current level of the C/370 Compiler.

Module: DFHAPLI

APCK

Explanation: A request for a C program could not be honored; execution of C programs has been disabled either because CICS was unable to load the required C/370 support module EDCCICS, or because C/370 initialization failed. This abend may be accompanied by message DFHFC0410.

System Action: The transaction is terminated abnormally and the program is disabled.

User Response: Refer to the explanation for message DFHFC0410 and, in particular, check that C/370 has been installed correctly.

Module: DFHAPLI

APCL

Explanation: An attempt to run the program failed because Language Environment/370 was unable to determine its language.

System Action: The transaction is abnormally terminated and the program is disabled.

User Response: Ensure that the program is correctly defined to CICS.

Module: DFHAPLI

APCN

Explanation: An attempt to release an internal CICS program, a mapset, or a partitionset because the program, mapset or partitionset has not been loaded or has already been deleted. This is probably an internal CICS error.

System Action: The transaction is abnormally terminated with a CICS transaction dump. The name of the program for which the RELEASE was attempted can be found in the abend dump at TCAPCPI.

User Response: This is either an internal CICS error or is due to the overwriting of CICS internal control blocks. You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHAMPEN, DFHFEP, DFHMCP, DFHMCPE, DFHMCY, DFHPHP, DFHTBSSP, DFHZCPLN

APCO

Explanation: A GETMAIN of storage for LEVEL 2 trace failed during transaction initialization.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: See the related message from the domain that detected the original error.

Module: DFHAPXM

APCS

Explanation: An attempt to run the program failed because CICS was unable to make a successful connection with Language Environment/370 to determine the run-time characteristics of the program. This abend is accompanied by message DFHAP1200 which gives the reason code set by Language Environment/370 indicating the nature of the error.

System Action: The transaction is abnormally terminated and the program is disabled.

User Response: Refer to the Language Environment/370 *Debugging Guide and Runtime Messages* manual for the meaning of the reason code, and take whatever action is necessary to correct the error.

Module: DFHAPLI

APCT

Explanation: One of the following has occurred:

1. The program name in the EXEC CICS HANDLE ABEND program is not usable at the time an abend occurs because:
   - The program is not on the relocatable program library (RPL).
   - The program is disabled.
   - The program cannot be loaded.
2. An attempt to load a mapset or partitionset failed because although the program is defined to CICS
   - It is not available on the RPL, or
   - It is disabled, or
   - It cannot be autoinstalled.
3. An attempt to link to, load, or release an internal CICS program failed because:
   - The program is not on the RPL.
   - The program is disabled.
   - The program cannot be loaded.

Problem Determination: The trace preceding the abend indicates the program, mapset, or partitionset that could not be loaded, linked to, or released. The name is also in TCAPCEPI.

System Action: The transaction requiring the program is abnormally terminated with a CICS transaction dump.

User Response: In cases 1 and 2, define the program, mapset partitionset to CICS using CEDA and ensure it is enabled.

In case 3, the definition of a CICS-provided module is incorrect. Check for associated messages issued during CICS start up.

Modules: DFHACP, DFHAMPEN, DFHCRSP, DFHEDFP, DFHEIP, DFHEIPSH, DFHEIQSJ, DFHFEP, DFHICP, DFHMCP, DFHMCPE, DFHMCY, DFHMELDE, DFHPCPG, DFHPHP, DFHPUP, DFHRDCAL, DFHSII1, DFHTBSGB, DFHTFP, DFHTSRP, DFHZCPLN, DFHZQ00, DFHZXCU

APCW

Explanation: The program language is defined as COBOL but the level of the compiler under which it was originally compiled cannot be determined. Most probably, the program was compiled under an OS/VS COBOL II compiler but the required level of support for that compiler is not present in the system.

System Action: The transaction is abnormally terminated and the program is disabled.

User Response: Check that OS/VS, COBOL II or Language Environment/370 support is present in the system and that the required interface modules (IGZECIC or CEECCICS) have been correctly loaded during system startup.

Module: DFHAPLI

APCY

Explanation: In an MVS/ESA environment, a CICS macro request has been issued from a PL/I or COBOL application. Alternatively, it is possible that the application program has been link edited without the EXEC interface module (for example, DFHECI or DFHELII) which is used by the CICS high-level language programming interface. See the *CICS System Definition Guide* for details of what has to be done to include this module.

System Action: The transaction is abnormally terminated and the program is disabled.

User Response: Remove the macro request from the application program.

Module: DFHAPLI

APCZ

Explanation: An attempt has been made to run either an 'old-style' application program (that is, a program with a pre-release 1.6 or a DFHE program stub) or an OS/VS COBOL program, either having been link-edited with the RENT or REFR attributes. These types of programs are not reentrant and therefore cannot be loaded into read-only storage.

System Action: The transaction is abnormally terminated.

User Response: Relink the program without the RENT and REFR attributes.

Module: DFHAPLI

APC0

Explanation: A serious error occurred in a call to the program manager domain when trying to link a system program.

System Action: CICS terminates the task with a transaction dump.

User Response: Use the dump to investigate why the error occurred. Look at the trace records prior to the error for abnormal conditions in processing the PGLK domain call. This may be due to a problem with directory manager, loader, or storage manager. Check the program size. It may be necessary to increase the overall size limits of the DSAs or EDSAs.

Modules: DFHPCP, DFHMCY

APC1

Explanation: A request for a TGT exceeding 64KB has been detected.

System Action: CICS abnormally terminates the transaction and disables the installed program definition.

User Response: Change the application program to reduce the working storage requirement. Perform CEMT NEWCOPY and ENABLE for the program when it has been corrected.

Module: DFHAPLI

APC2

Explanation: An illegal branch has been attempted by a Language Environment/370 user program following an abend condition with an active handle label abend. Usually an Out-Of-Block GOTO will have resulted, implying that the program tried to branch to, for example, an inactive block. This abend is accompanied by message DFHAP1200 which gives the reason code set by Language Environment/370 indicating the nature of the error.

System Action: The transaction is abnormally terminated and the program is disabled.

User Response: Refer to the Language Environment/370 *Debugging Guide and Runtime Messages* manual for the meaning of the reason code, and amend the program to avoid the GOTO in error.

Module:

Module: DFHAPLI

APC3

Explanation: An attempt to run the program failed because the program appeared to be defined to CICS as Language Environment/370 but no Language Environment/370 support was present in the system and no other language environment was able to run the program.

System Action: The transaction is abnormally terminated and the program is disabled.

User Response: Redefine the program to CICS in a language other than Language Environment/370.

Module: DFHAPLI

APC4

Explanation: A call to the loader domain to define program ILBOCOM failed.

System Action: The transaction is abnormally terminated.

User Response: Check that the library containing the OS/VS COBOL runtime library modules is named in the DFHRPL DD concatenation.

Module: DFHPCPC2

APC5

Explanation: A call to the loader domain to load program ILBOCOM failed.

System Action: The transaction is abnormally terminated.

User Response: Check that the library containing the OS/VS COBOL runtime library modules is included in the DFHRPL concatenation. If it is, obtain and check a trace of the failure. If no reasonable explanation is found (such as lack of storage), you will need further assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHPCPC2

APC6

Explanation: An internal error has occurred.

System Action: The transaction is abnormally terminated.

User Response: See the associated X'F230' Exception trace entry for further diagnostic information. For an ACQUIRE error ensure the associated module is in a library in the CICS DFHRPL concatenation. For an IDENTIFY error make sure that the associated module has not been MVS LOADed for example by the inadvertent link-editing of a VS COBOL II program with a COBOL subprogram.

Module: DFHPCPC2

APC7

Explanation: An MVS IDENTIFY call has given a non zero return code. The IDENTIFY call was being used to make the entry point ILBOCOM0 known to MVS.

System Action: The transaction is abnormally terminated.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHPCPC2

APC8

Explanation: An MVS LOAD of ILBOCOM0 has given a non zero return code.

System Action: The transaction is abnormally terminated.

User Response: Ensure the library containing the OS/VS COBOL runtime modules is available to STEPLIB.

Module: DFHPCPC2

APC9

Explanation: An MVS LOAD of ILBOCOM has given a non zero return code.

System Action: The transaction is abnormally terminated.

User Response: Ensure the library containing the OS/VS COBOL runtime modules is available to STEPLIB.

Module: DFHPCPC2

APLx

Explanation: Abend codes with 'PL' as the middle two characters are issued by PL/I, and are described in further detail in the *OS PL/I Optimizing Compiler: Programmer's Guide*.

APP1

Explanation: The DFHIC TYPE=GET response code was not a normal response.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: Analyze the dump. The response code is in the low-order byte of register 0.

Module: DFHP3270

APP2

Explanation: The length of data that has been passed to DFHP3270 via temporary storage is less than or equal to 5.

Problem Determination: Register 6 points to the data retrieved from temporary storage via a DFHIC TYPE=GET macro invocation. The layout of this data is:

- Terminal data area length (2 bytes)
- Write control indicator (1 byte)
- Write control or carriage control character (1 byte)
- Data (variable length)

Analysis: DFHP3270 has been called to handle a print request from a 3270 Information Display System terminal. It obtains from temporary storage the data to be printed, via a DFHIC TYPE=GET invocation. It ensures that some data to be printed is present. The area returned from temporary storage contains the data to be printed preceded by 4 bytes as described above. DFHP3270 has found that, because the length of data passed to it is less than or equal to 5, there is no data to be printed.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: Check the user DFHTEP. If it is not at fault, submit an APAR.

If this abend has occurred, the data that DFHP3270 obtained from temporary storage was probably put there with an incorrect length. The user may have requested indirectly that this data be placed in temporary storage either by an application request for printing (for example ISSUE PRINT) or by pressing the Print Request key. However, CICS should control the data length for this request. Under normal circumstances, the only way the user could have requested directly that data is to be placed in temporary storage is in the user's TEP. The user should check any invocations of DFHIC TYPE=PUT in handling print requests, particularly when dealing with the "printer unavailable or busy" condition, and ensure that the length field is set correctly.

Module: DFHP3270

APP3

Explanation: An attempt to request data has been sent to a nonprinter or unsupported device type by either:

- A terminal operator entering CSPP as a transaction code, **or**
- A transaction issuing a DFHTEP request.

System Action: The transaction is abnormally terminated. A CICS transaction dump **is not** provided.

User Response:

1. Ensure that the terminal operator ceases to use CSPP as a transaction code, or
2. Correct the user DFHTEP program.

Module: DFHP3270

APR1

Explanation: An abnormal DFHIC TYPE=PUT response code was received during print key processing.

System Action: The transaction is abnormally terminated with a CICS transaction dump. The keyboard of the terminal on which the print key was depressed remains locked to indicate the failure of the operation.

User Response: Analyze the dump. The response code is in low-order byte of register 0.

Module: DFHPRK

APSJ

Explanation: The abending transaction invoked the system spooler initialization program (DFHPSIP) illegally, that is from a program other than the CICS module, DFHSIJ1.

System Action: CICS terminates the transaction abnormally. The EXEC CICS HANDLE ABEND command can not handle this abend.

User Response: Remove any calls or links to DFHPSIP from your application programs. If you can find no invocation of DFHPSIP in your application, you need further assistance to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHPSIP

APST

Explanation: A task issued a SPOOL command without the mandatory NOHANDLE operand.

System Action: CICS terminates the task abnormally with a dump.

User Response: Correct the syntax of the command, specifying NOHANDLE.

Module: DFHEPS

APSU

Explanation: The CICS SVC passed an invalid JES interface return code to the CICS system spooler (an MVS subtask).

System Action: CICS terminates the task abnormally.

User Response: This is an internal error – check any JES failures that occurred at the same time.

You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHPSPST

APSV

Explanation: A storage area for VSAM macro return codes contained an invalid value.

System Action: CICS terminates the task abnormally with a dump.

User Response: Check the syntax and input data of the spool commands issued by the failing transaction. Check any JES failures that occurred at the same time.

Module: DFHPSPST

APSW

Explanation: An abend occurred within a CICS system spooler subtask.

System Action: CICS terminates the task abnormally with a dump.

User Response: This is an internal CICS error. You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHPSPST

APSX

Explanation: A CICS storage area used for notification of invalid parameters contained an invalid value.

System Action: CICS terminates the task abnormally with a dump.

User Response: Check the syntax and input data of the spool commands issued by the failing transaction. Check any JES failures that occurred at the same time.

Module: DFHPSPST

APSY

Explanation: A CICS storage area for MVS macro return codes contained an invalid value.

System Action: CICS terminates the task abnormally with a dump.

User Response: Check the syntax and input data of the spool commands issued by the failing transaction. Check any JES failures that occurred at the same time.

Module: DFHPSPST

APSZ

Explanation: A CICS area, used to store a JES interface return code, contained an invalid value.

System Action: CICS terminates the task abnormally with a dump.

User Response: Check the syntax and input data of the spool commands issued by the failing transaction. Check any JES failures that occurred at the same time.

This is an internal CICS error. You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHPSPST

APTI

Explanation: The task was purged before a GETMAIN request to the storage manager (SM) domain was able to complete successfully. The domain that first detected the purged condition will have provided an exception trace.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: Investigate why the task was purged. It was purged either as a result of a purge from the master terminal operator via the CEMT transaction, or by the task being timed out after waiting for longer than the DTIMOUT (deadlock timeout) value specified for the transaction.

If the master terminal operator purged the task, this may have been in an attempt to clear the system which appeared to be deadlocked for some reason.

If the task was timed out automatically as a result of the DTIMOUT value being exceeded, this may be due to insufficient main storage being available for the number of tasks in the system. If the amount of main storage cannot be increased, reduce the number of tasks in the system to avoid short-on-storage situations. Another possibility is to increase the value of the DTIMOUT option for the transaction.

Module: DFHPSPST

APTJ

Explanation: An error (INVALID, DISASTER, or unexpected EXCEPTION response) has occurred on a call to the storage manager (SM) domain. The domain that detected the original error will have provided an exception trace, a console message and, possibly, a system dump (depending on the options specified in the dump table).

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: See the related message from the domain that detected the original error.

Module: DFHPSPST

APUA

Explanation: An internal error was detected when module DFHPUP was invoked. The GETSTG parameter is missing on a call to DFHPUP (PUPF).

System Action:

- In a CICS environment, the CEDA transaction is abnormally terminated with a CICS transaction dump.
- In a batch environment, processing is abnormally terminated with an operating system dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHPUP

APUB

Explanation: An internal error was detected when module DFHPUP was invoked. The GETSTG parameter is missing on a call to DFHPUP (PUPU).

System Action:

- In a CICS environment, the CEDA transaction is abnormally terminated with a CICS transaction dump.
- In a batch environment, processing is abnormally terminated with an operating system dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHPUP

APUC

Explanation: An internal error was detected when module DFHPUP was invoked. An invalid function code was supplied for a domain call to DFHPUP.

System Action:

- In a CICS environment, the CEDA transaction is abnormally terminated with a CICS transaction dump.
- In a batch environment, processing is abnormally terminated with an operating system dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHPUP

APUD

Explanation: The RDO language definition table (DFHEITSP) could not be located in the library.

System Action:

- In a CICS environment, the CEDA transaction is abnormally terminated with a CICS transaction dump.
- In a batch environment, processing is abnormally terminated with an operating system dump.

User Response: Ensure that module DFHEITSP is in the library and is valid for this release of CICS.

Module: DFHPUP

APUE

Explanation: The RDO language definition table (DFHEITSP) could not be loaded because of a lack of available storage.

System Action: Processing is abnormally terminated with an operating system dump.

User Response: Allocate more storage and resubmit the offline COPY or APPEND command(s) that failed.

Modules: DFHPUP (Batch environment)

APUF

Explanation: Either the RDO language definition table is invalid or it is missing from the library.

System Action:

- In a CICS environment, the CEDA transaction is abnormally terminated with a CICS transaction dump.
- In a batch environment, processing is abnormally terminated with an operating system dump.

User Response: Ensure that module DFHEITSP is in the library and is valid for this release of CICS.

Module: DFHPUP

APUG

Explanation: An internal error was detected in module DFHPUP. Storage could not be obtained for the CSD record buffer.

System Action:

- In a CICS environment, the CEDA transaction is abnormally terminated with a CICS transaction dump.
- In a batch environment, processing is abnormally terminated with an operating system dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHPUP

APUH

Explanation: An internal error was detected in module DFHPUP. Storage could not be obtained for the argument list.

System Action:

- In a CICS environment, the CEDA transaction is abnormally terminated with a CICS transaction dump.
- In a batch environment, processing is abnormally terminated with an operating system dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHPUP

APUI

Explanation: An internal error was detected in module DFHPUP. Storage cannot be freed for the argument list.

System Action:

- In a CICS environment, the CEDA transaction is abnormally terminated with a CICS transaction dump.
- In a batch environment, processing is abnormally terminated with an operating system dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHPUP

APUJ

Explanation: An internal error was detected in module DFHPUP. Storage cannot be freed for the CSD record buffer.

System Action:

- In a CICS environment, the CEDA transaction is abnormally terminated with a CICS transaction dump.
- In a batch environment, processing is abnormally terminated with an operating system dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHPUP

APUK

Explanation:

- In a CICS environment, storage could not be acquired for a buffer to contain logged RDO commands in the CEDA transaction.
- In a batch environment, storage could not be acquired for a buffer to contain back-translated resource definitions from the CSD.

System Action:

- In a CICS environment, the CEDA transaction is abnormally terminated with a CICS transaction dump.
- In a batch environment, processing is abnormally terminated with an operating system dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHPUP

APUL

Note: The description of this abend also applies to APUM, APUN and APUO.

Explanation: CICS cannot find a match for a function code in the language definition table, because the parameterized resource definition contains an unrecognized resource type code.

The abend code issued depends on the DFHPUP operation that was invoked before the error occurred:

Abend	DFHPUP operation
APUL	FLATTEN
APUM	TRANCASE
APUN	COMPARE
APUO	BACKTRANS

The cause of the abend is either:

1. A language definition table (DFHEITSP or DFHEITCU) in the library is invalid for the CICS release you are running, **or**
2. A CICS logic error has occurred.

System Action:

- In a CICS environment, the CEDA transaction is abnormally terminated with a CICS transaction dump.
- In a batch environment, processing is abnormally terminated with an operating system dump.

User Response: Your response depends on which of the two possible reasons apply:

1. Ensure that the DFHEITSP and DFHEITCU modules in the library are valid for this release of CICS.
2. You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHPUP

APUM

Explanation: Refer to the description of abend APUL.

Module: DFHPUP

APUN

Explanation: Refer to the description of abend APUL.

Module: DFHPUP

APUO

Explanation: Refer to the description of abend APUL.

Module: DFHPUP

APUP

Explanation: An internal error occurred in DFHPUP processing of the language definition table for RDO. There was a stack error building a keyword list for the syntax tree.

System Action:

- In a CICS environment, the CEDA transaction is abnormally terminated with a CICS transaction dump.
- In a batch environment, processing is abnormally terminated with an operating system dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHPUP

APUQ

Explanation: An internal error occurred in DFHPUP processing of the language definition table for RDO. Too many keywords found in syntax expansion.

System Action:

- In a CICS environment, the CEDA transaction is abnormally terminated with a CICS transaction dump.
- In a batch environment, processing is abnormally terminated with an operating system dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHPUP

APUR

Explanation: An internal error occurred in DFHPUP processing of an argument list or a CSD record buffer. The data type for a keyword field conflicts with the data type specified in the language definition table.

System Action:

- In a CICS environment, the CEDA transaction is abnormally terminated with a CICS transaction dump.
- In a batch environment, processing is abnormally terminated with an operating system dump.

User Response: Ensure that the module DFHEITSP is in the library and is valid for this release of CICS.

Module: DFHPUP

APUS

Explanation: An internal error occurred in DFHPUP processing of a CSD record buffer. The integer data length for a keyword field is invalid.

System Action:

- In a CICS environment, the CEDA transaction is abnormally terminated with a CICS transaction dump.
- In a batch environment, processing is abnormally terminated with an operating system dump.

User Response: Ensure that the module DFHEITSP is in the library and is valid for this release of CICS.

Module: DFHPUP

APUT

Explanation: An internal error occurred in DFHPUP processing of an argument list or a CSD record buffer. The keyword existence bit number, which is the KEP(1) value in language definition table DFHEITSP, is not valid.

System Action:

- In a CICS environment, the CEDA transaction is abnormally terminated with a CICS transaction dump.
- In a batch environment, processing is abnormally terminated with an operating system dump.

User Response: Ensure that the module DFHEITSP is in the library and is valid for this release of CICS.

Module: DFHPUP

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APUZ

Explanation: CICS has found an unrecognized resource type code in a CSD record. The unrecognized code does not match any of the function codes in the language definition table. This abend can occur for one of the following reasons:

1. You are using a CICS release that does not support a type of definition that was created on the CSD file by a later CICS release.
2. The language definition table (DFHEITSP or DFHEITCU) is invalid for this CICS release.
3. The CSD manager (DFHDMP) has passed an invalid CSD record buffer to DFHPUP. This is a CICS internal logic error.

System Action:

- In a CICS environment, the CEDA transaction is abnormally terminated with a CICS transaction dump
- In a batch environment, processing is abnormally terminated with an operating system dump.

User Response: Determine which of the possible reasons caused the error. If you can eliminate reasons 1 and 2, you can assume that reason 3 applies.

Take action corresponding to the reason you have established as follows:

1. Avoid operations on groups containing definition-types that are unsupported by the CICS release you are running.
2. Ensure that the library contains versions of DFHEITSP and DFHEITCU that are valid for the CICS release you are running.
3. You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHPUP

APXA

Explanation: The user transaction's profile could not be found.

System Action: The task is abnormally terminated with a CICS transaction dump. The user transaction is not started.

User Response: Check that the profile name in the user transaction definition is correct, and that this profile has been defined.

Module: DFHAPXM

ARCB

Explanation: CICS has attempted to enable a task-related user exit, or a global user exit during initialization, but failed because the exit program could not be found.

On all types of start, CICS attempts to enable DFHEDP, the EXEC DLI task-related user exit. On an emergency restart, CICS enables transaction backout exit programs as specified by the first two TBEXITS system initialization parameters.

On all types of start, CICS attempts to enable file control backout programs as specified by the third, fourth, fifth and sixth TBEXITS system initialization parameters.

System Action: CICS issues a message to the console indicating which exit program is involved. CICS initialization then terminates abnormally with a system dump.

User Response: If the associated message indicates that program DFHEDP could not be found, check that IBM-supplied group DFHEDP is included in the group list used at CICS cold or initial start time.

For transaction backout exit programs, including the file control backout programs, ensure the program has been defined and is in a library available to CICS.

If necessary, use the dump to find out why the exit program could not be enabled.

Module: DFHRCEX

ARHA

Explanation: The SAA resource recovery interface has been invoked with an invalid first parameter. The first parameter should be the code of the function to be performed. This is a CICS internal logic error.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: A level 2 trace for 'CP' of the transaction shows the course of events before this error occurred (such as the modules called and their parameters) plus details of the error itself. You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHCPIR

ARHB

Explanation: The SAA resource recovery interface has been invoked with an invalid number of parameters for the call.

System Action: the transaction is abnormally terminated with a CICS transaction dump.

User Response: The exception trace point produced with this abend contains the SAA resource recovery verb name that was issued incorrectly. Use this to determine where the application program was in error and amend application program accordingly. The *SAA Resource Recovery Reference Manual*, SC31-6821, provides a detailed description of the SAA resource recovery verbs and how they should be called.

Module: DFHCPIR

ARHC

Explanation: The SAA resource recovery interface has detected an unexpected return code from the syncpoint program. This is a CICS internal logic error.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: A level 2 trace for 'CP' of the transaction shows the course of events before this error occurred (such as the modules called and their parameters) plus details of the error itself. You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHCPIR

ARM0

Explanation: An attempt was made to attach a transaction specifying DFHRMXN3 as the program to be given control, but the transaction was not internally attached by CICS.

DFHRMXN3 is for use by CICS system transaction CSKP. This provides support for activity keypoints,

System Action: The transaction is abnormally terminated. CICS processing continues.

User Response: Establish why an attempt was made to attach CSKP incorrectly, or why a transaction definition specified DFHRMXN3 as the program to be given control.

Module: DFHRMXN3

ARPA

Explanation: An unexpected response from DFHSUSN has occurred when trying to sign off a user of the CRTE transaction in the target system when processing a CANCEL request.

This abend can be caused by incorrect use of the VTAM VARY INACT command. Otherwise it indicates that there may be an error in CICS.

System Action: The CSSF transaction (CRTE cancel processor transaction) is terminated with an ARPA abend.

User Response: Ensure that the VTAM VARY inact command is used correctly. If this is not the cause of the abend, you need further assistance from IBM to correct this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHRTC

ARPF

Explanation: The alias could not be initialized.

System Action: One of the following messages is issued: DFHRP0103, DFHRP0104, DFHRP0106, DFHRP0108, DFHRP0109.

User Response: See the user response for the message.

Module: DFHRPAS

ARPG

Explanation: The alias was not able to link to the CICS program or the **Encode** function of the converter one of the following reasons:

- The userid supplied for the alias was not valid.
- The CICS program is not defined as a resource to the external security manager.
- The CICS program name is not valid.
- The CICS program was on a different system from CICS ONC RPC, and the specified system name was not valid.
- The converter program name was not valid.
- The converter program is defined as remote.
- The alias is not authorized to use the converter

System Action: One of the following messages is issued: DFHRP0121, DFHRP0131, DFHRP0138, DFHRP0139, DFHRP0141, DFHRP0156, DFHRP0157, DFHRP0159.

User Response: See the user response for the message.

Module: DFHRPAS

ARPH

Explanation: The alias detected a global work area error.

System Action: The following message is issued: DFHRP0118.

User Response: See the user response for the message.

Module: DFHRPAS

ARPI

Explanation: The alias detected a logic error.

System Action: One of the following messages is issued: DFHRP0107, DFHRP0133, DFHRP0135, DFHRP0137, DFHRP0143, DFHRP0144, DFHRP0148, DFHRP0149, DFHRP0155, DFHRP0164, DFHRP0168, DFHRP0170.

User Response: See the user response for the message.

Module: DFHRPAS

ARPJ

Explanation: The alias ends for one of the following reasons:

- An unexpected response was received from CICS during transaction initialization.
- The external security manager is no longer available.
- The remote CICS region in which the CICS program was running abended.
- The CICS program, which was running in a remote CICS region, abended.
- The reply could not be sent to the client.

System Action: One of the following messages is issued: DFHRP0105, DFHRP0132, DFHRP0136, DFHRP0140, DFHRP0145, DFHRP0146, DFHRP0147, DFHRP0150, DFHRP0165, DFHRP0166, DFHRP0167.

User Response: See the user response for the message.

Module: DFHRPAS

ARPK

Explanation: The alias detected a CICS logic error.

System Action: One of the following messages is issued: DFHRP0102, DFHRP0122, DFHRP0142, DFHRP0160.

User Response: See the user response for the message.

Module: DFHRPAS

ARPL

Explanation: The alias detected an authorization error.

System Action: One of the following messages is issued: DFHRP0119, DFHRP0120, DFHRP0132, DFHRP0134.

User Response: See the user response for the message.

Module: DFHRPAS

ARPM

Explanation: The alias detected an error in user code.

System Action: One of the following messages is issued: DFHRP0161, DFHRP0162, DFHRP0163, DFHRP0169.

User Response: See the user response for the message.

Module: DFHRPAS

ARPN

Explanation: The alias detected an error while trying to switch TCBs.

System Action: The following message is issued: DFHRP0151.

User Response: See the user response for the message.

Module: DFHRPAS

ARPO

Explanation: The alias program detected an abend.

System Action: One of the following messages is issued: DFHRP0181, DFHRP0182, DFHRP0183.

User Response: See the user response for the message.

Module: DFHRPAS

ARPU

Explanation: The connection manager could not access the CICS ONC RPC data set, and received an error response when it tried to send message DFHRP1512.

System Action: None.

User Response: You need further assistance from IBM to resolve this problem. See the *CICS External Interfaces Guide* and Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHRPC01

ARPV

Explanation: The connection manager received an unexpected response from CICS following an EXEC CICS command.

System Action: One of the following messages is issued: DFHRP1540, DFHRP1651, DFHRP1954.

User Response: See the user response for the message.

Module: DFHRPC0E

ARPW

Explanation: The connection manager received an unexpected response from CICS following an EXEC CICS command.

System Action: The following message is issued: DFHRP1969.

User Response: See the user response for the message.

Module: DFHRPC0E

ARPX

Explanation: The connection manager was started against an invalid terminal.

System Action: The following message is issued: DFHRP1522.

User Response: See the user response for the message.

Module: DFHRPC01

ARPZ

Explanation: The connection manager has insufficient authority.

System Action: The following message is issued: DFHRP1902.

User Response: See the user response for the message.

Module: DFHRPC0B

ARP2

Explanation: The server controller detected an internal error during CICS ONC RPC enable processing.

System Action: One of the following messages is issued: DFHRP0508, DFHRP0509, DFHRP0528, DFHRP0529, DFHRP0590, DFHRP0591.

User Response: See the user response for the message.

Module: DFHRPMS

ARP4

Explanation: The server controller has performed an exception disable because of an internal error.

System Action: One of the following messages is issued: DFHRP0503, DFHRP0559, DFHRP0697, DFHRP0726, DFHRP0728, DFHRP0730, DFHRP0741.

User Response: You need further assistance from IBM to resolve this problem. See the *CICS External Interfaces Guide* and Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHRPMS

ARP5

Explanation: An invalid attempt was made to start the server controller.

System Action: The following message is issued: DFHRP0640.

User Response: See the user response for the message.

Module: DFHRPMS

ARP9

Explanation: There was not enough storage for the connection manager.

System Action: None.

User Response: You need further assistance from IBM to resolve this problem. See the *CICS External Interfaces Guide* and Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHRPC01

ARTA

Explanation: The task does not own a terminal as its principal facility.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: Ensure that DFHRTE has not been specified as the program for a task other than CRTE. Ensure that CRTE has not been initiated by means other than terminal input.

Module: DFHRTE

ARTB

Explanation: There is no input TIOA or the data length is zero.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: Ensure that DFHRTE has not been specified as the program for a task other than CRTE. Ensure that CRTE has not been initiated by means other than terminal input.

Module: DFHRTE

ARTC

Explanation: The link to the required system is not usable for an unknown reason.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHRTE

ARTD

Explanation: An internal logic error has been detected.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHRTE

ARTE

Explanation: An error was encountered when attempting to read from or write to temporary storage.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: Determine the cause of the temporary storage problem and correct it.

Module: DFHRTE

ARTF

Explanation: An attempt has been made to use the routing transaction (CRTE) from a terminal that has a permanent transaction code set.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: Inform the system programmer.

Module: DFHRTE

ARTG

Explanation: CICS could not find the profile specified for a transaction being routed.

System Action: CICS terminates the task abnormally with a dump.

User Response: Check your transaction and profile definitions.

Module: DFHRTE

ARTH

Explanation: An error (INVALID, DISASTER or EXCEPTION response) has occurred on a call to schedule a remote terminal delete by DFHRTE during sign-off for a surrogate terminal session running CRTE. The domain that detected the original error provides an exception trace, a console message and, possibly, a system dump (depending on the options specified in the dump table).

System Action: CICS terminates the task abnormally with a dump.

User Response: See the related message produced by the domain that detected the original error.

Module: DFHRTE

ARUA

Explanation: An exception condition was returned on the ADD_LINK during the BIND phase of ATTACH for the transaction invoked by the RUN command.

System Action: CICS terminates the invoked transaction abnormally with a dump. The RUN SYNCHRONOUS command that was issued by the application returns with an error response of INVREQ (RESP2 28).

User Response: More details can be found in the trace.

Module: DFHXMRU

ARUB

Explanation: A RUN SYNCHRONOUS command caused an attempt to attach a transaction defined as remote. Only transactions defined as local may be run synchronously.

System Action: CICS terminates the invoked transaction abnormally with a dump. The RUN SYNCHRONOUS command that was issued by the application returns with an error response of ACTIVITYERR or PROCESSERR (RESP2 27).

User Response: More details can be found in the trace.

Module: DFHXMXM

ARUC

Explanation: A RUN SYNCHRONOUS command caused an attempt to attach a transaction with an invalid USERID.

System Action: CICS terminates the invoked transaction abnormally with a dump. The RUN SYNCHRONOUS command that was issued by the application returns with a resp2 value of 27.

User Response: More details can be found in the trace.

Module: DFHXMRU

ARXA

Explanation: A transactional EXCI request has been received from a batch region. CICS has encountered an error when attempting to express interest in an RRMS Unit of Recovery.

DFHRXUW provides an exception trace, console message DFHRX0002, and possibly a system dump (depending on the options in the dump table).

System Action: The transaction is terminated with a CICS transaction dump.

User Response: Resource Recovery Services (RRS) may have been shut down after the request was received by CICS. If this is the case, retry the EXCI request once RRS has been restarted.

If this is not the case, use the exception trace provided by the RX domain to determine the reason for the failure. You might need further assistance from IBM in this situation. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHRXUW

ARXB

Explanation: An error (EXCEPTION, DISASTER, INVALID, KERNERROR or PURGED) has occurred on an ADD_LINK call to the recovery manager (RM) domain. For errors other than EXCEPTION, the RM domain provides an exception trace, a console message, and possibly a system dump (depending on the options in the dump table).

For all errors, DFHRXUW provides an exception trace, console message DFHRX0002, and possibly a system dump (depending on the options in the dump table).

System Action: The transaction is terminated with a CICS transaction dump.

User Response: See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHRXUW

ARXC

Explanation: A transactional EXCI request has been received from a batch region when either:

- CICS did not register as a resource manager with Recoverable Resource Management Services (RRMS) because system initialization parameter RRMS=NO was specified.
- the RX domain did not succesfully complete its initialization.

System Action: The transaction is terminated with a CICS transaction dump.

User Response: If CICS was started with system initialization parameter RRMS=NO, restart CICS specifying RRMS=YES (or route transactional EXCI requests to another CICS system).

Otherwise, investigate why the RX domain did not initialize succesfully. A failure during initialization of the domain is accompanied by a console message and a system dump. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHRXUW

ASCA

Explanation: A DFHSC TYPE=GETMAIN request has resulted in a call to the storage manager (SM) domain which has returned an INVALID or DISASTER response.

System Action: The transaction is terminated with a CICS transaction dump.

User Response: There has been an earlier failure which led to the response from the storage manager domain. Investigate the earlier failure (which is accompanied by a console message and a system dump).

Module: DFHSMSCP

ASCB

Explanation: A DFHSC TYPE=FREEMAIN request has resulted in a call to the storage manager (SM) domain which has returned an INVALID or DISASTER response.

System Action: The transaction is terminated with a CICS transaction dump.

User Response: There has been an earlier failure which led to the response from the storage manager domain. Investigate the earlier failure (which is accompanied by a console message and a system dump).

Module: DFHSMSCP

ASCP

Explanation: A task which has issued an unconditional DFHSC TYPE=GETMAIN request has been purged while waiting for sufficient contiguous main storage to become free.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: Investigate why the task was purged. This will either have been as a result of a purge from the master terminal operator via the CEMT transaction, or by the task being timed out after waiting for longer than the DTIMOUT (deadlock timeout) value specified for the transaction.

If the task was purged by the master terminal operator then this may have been in an attempt to clear the system which appeared to be deadlocked for some reason.

If the task was timed out automatically as a result of the DTIMOUT value being exceeded then this may be due to insufficient main storage being available for the number of tasks in the system. If the amount of main storage cannot be increased then the number of tasks in the system should be reduced to avoid short-on-storage situations. Another possibility would be to increase the value of the DTIMOUT option for the transaction.

Module: DFHSMSCP

ASCR

Explanation: A DFHSC macro request has been issued with an invalid request type.

System Action: The transaction is terminated with a CICS transaction dump.

Detection of the invalid request by DFHSMSCP causes a console message and a system dump to be produced.

User Response: Use the associated console message and system dump to investigate the problem.

Module: DFHSMSCP

ASDA

Explanation: The default shutdown transaction (CESD) has been started directly from a terminal. This is not permitted. This transaction can only be started internally by CICS.

System Action: The transaction is abnormally terminated with a transaction dump.

User Response: None.

Module: DFHCESD

ASFA

Explanation: An internal logic error occurred in DFHSFP because of an unexpected response from EXEC CICS. This abend code is usually accompanied by message DFHCE3598 which contains the associated return codes.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHSFP

ASFB

Explanation: An attempt was made to execute the CICS signoff program without an associated terminal.

System Action: CICS terminates the transaction with a dump. This abend code is usually accompanied by message DFHCE3598.

User Response: Only use the signoff program when there is a related terminal.

Module: DFHSFP

ASFC

Explanation: An attempt was made to execute the CICS signoff program against an APPC session.

System Action: CICS terminates the transaction with a dump. This abend code is usually accompanied by message DFHCE3598.

User Response: Only use the signoff program when there is a related terminal.

Module: DFHSFP

ASHA

Explanation: A command has failed due to a serious failure in a CICS component (resource manager).

System Action: The transaction is abnormally terminated with abend code ASHA. CICS takes a transaction dump, unless module DFHDUIO is not loaded.

User Response: Use the transaction dump to determine the cause of the failure. For further assistance, or if module DFHDUIO is not loaded and no transaction dump is available, contact your system programmer.

Module: DFHSHDM

ASHB

Explanation: A command has failed due to a serious failure in a CICS component (resource manager).

System Action: The transaction is abnormally terminated with abend code ASHB. CICS takes a transaction dump, unless module DFHDUIO is not loaded.

User Response: Use the transaction dump to determine the cause of the failure. For further assistance, or if module DFHDUIO is not loaded and no transaction dump is available, contact your system programmer.

Module: DFHSHDM

ASHR

Explanation: A command has failed due to a serious failure in a CICS component (resource manager).

System Action: The transaction is abnormally terminated with abend code ASHR. CICS takes a transaction dump, unless module DFHDUIO is not loaded.

User Response: Use the transaction dump to determine the cause of the failure. For further assistance, or if module DFHDUIO is not loaded and no transaction dump is available, contact your system programmer.

Module: DFHSHRSP

ASHU

Explanation: In the process of transferring the request from one region to another an abend occurred due to a routing failure. The Request cannot be routed to a suitable region. The request is unserviceable.

System Action: The transaction is abnormally terminated with abend code ASHU. CICS takes a transaction dump, unless module DFHDUIO is not loaded.

User Response: Check the links between regions are available. Check the Distributed Routing Program name is correct and the program is usable. Use the transaction dump to determine the cause of the failure. For further assistance, or if module DFHDUIO is not loaded and no transaction dump is available, contact your system programmer.

Module: DFHSHRSP

ASH2

Explanation: An attempt to service a Scheduler Services request failed due to required resources being unobtainable. This may result in a request being unserviceable or an Activity being marked abended depending on the nature of the failure.

System Action: The transaction is abnormally terminated with abend code ASH2. CICS takes a transaction dump, unless module DFHDUIO is not loaded.

User Response: Check that any required links between regions are available. Check the Distributed Routing Program name is correct and the program is usable. Use the transaction dump to determine the cause of the failure. For further assistance, or if module DFHDUIO is not loaded and no transaction dump is available, contact your system programmer.

Module: DFHSHXM

ASH3

Explanation: A transaction bound to a Scheduler Services request has backed out. No other abend code has been set. The SH abend request uses this abend code by default.

System Action: The transaction continues backing out. A subsequent task will process the SH abend request.

User Response: None.

Module: DFHSHRM

ASH4

Explanation: A Scheduler Services request attempted to attach a transaction that is currently disabled.

System Action: The transaction is abnormally terminated with abend code ASH4. CICS takes a transaction dump, unless module DFHDUIO is not loaded.

User Response: Check the status of the transaction. For further assistance, or if module DFHDUIO is not loaded and no transaction dump is available, contact your system programmer.

Module: DFHSHXM

ASIA

Explanation: An error has occurred on a call to the storage manager (SM) domain. The domain that detected the original error will have provided an exception trace, a console message and, possibly, a system dump (depending on the options specified in the dump table).

System Action: The task is abnormally terminated with a CICS transaction dump. CICS then terminates abnormally.

User Response: See the related message from the domain that detected the original error.

Module: DFHSII1

ASIB

Explanation: An attempt has been made to run the CICS internal task CPLT as a user transaction.

System Action: CICS terminates the task with a transaction dump.

User Response: Investigate why the attempt was made to run CPLT as a user transaction.

Module: DFHSIPLT

ASNA

Explanation: An internal logic error occurred in DFHSNP because of an unexpected response from EXEC CICS.

System Action: CICS terminates the transaction with a dump. This abend code is usually accompanied by message DFHCE3548.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHSNP

ASNB

Explanation: An attempt was made execute the CICS sign on program without an associated terminal. This abend code is usually accompanied by message DFHCE3548.

System Action: CICS terminates the transaction with a dump.

User Response: Only use the sign on program when there is a related terminal.

Module: DFHSNP

ASNC

Explanation: The signon program attempted to send a request to the user but failed to do so.

System Action: CICS terminates the transaction with a dump. This abend code is usually accompanied by message DFHCE3548.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHSNP

ASND

Explanation: A request from DFHSNTU to ENQ on the address of the SNEX has failed during signoff terminal user.

System Action: A transaction dump is taken and the task which issued the signoff is abended.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHSNTU

ASOA

Explanation: The TCP/IP listener task CSOL has been incorrectly started from a terminal. It can only be enabled by the Sockets Domain at CICS system initialization or by using CEMT SET TCPIP OPEN or the equivalent SPI function.

System Action: The transaction is abnormally terminated with a transaction dump.

User Response: None.

Module: DFHSOL

ASPA

Explanation: The task was purged before a request to recovery manager (RM) domain was able to complete successfully. The domain that first detected the purged condition provides an exception trace.

System Action: The task is abnormally terminated with a CICS transaction dump. If processing is at a point where data integrity might not be maintained, CICS is abnormally terminated.

User Response: Investigate why the task was purged. This is either as a result of a purge from the master terminal operator via the CEMT transaction, or by the task being timed out after waiting for longer than the DTIMOUT (deadlock timeout) value specified for the transaction.

If the master terminal operator purged the task, this may have been in an attempt to clear the system which appeared to be deadlocked for some reason.

If the task was timed out automatically as a result of the DTIMOUT value being exceeded, this may be due to insufficient main storage being available for the number of tasks in the system. If the amount of main storage cannot be increased, reduce the number of tasks in the system to avoid short-on-storage situations. Another possibility is to increase the value of the DTIMOUT option for the transaction.

If CICS is abnormally terminated, it should be emergency restarted to ensure that data integrity is maintained.

Module: DFHAPAC

ASPB

Explanation: An error (INVALID, DISASTER or unexpected EXCEPTION response) has occurred on a call to the recovery manager (RM) domain. The domain that detected the original error will have provided an exception trace, a console message and, possibly, a system dump (depending on the options specified in the dump table).

System Action: The task is abnormally terminated with a CICS transaction dump. If processing is at a point where data integrity might not be maintained, CICS is abnormally terminated.

User Response: See the related message from the domain that detected the original error. If CICS was abnormally terminated, it should be emergency restarted to ensure that data integrity is maintained.

Module: DFHAPAC

ASPC

Explanation: An error (INVALID or DISASTER) has occurred on a call to the bridge syncpoint routine (DFHBRSP). The domain that detected the original error will have provided an exception trace, and, possibly, a system dump (depending on the options specified in the dump table).

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: See the related message from the domain that detected the original error.

Module: DFHSPP

ASPF

Explanation: CICS issued an internal syncpoint request resulting in a syncpoint with an intersystem session which has returned ROLLEDBACK to recovery manager (RM) domain. As a result, the transaction is abnormally terminated because the unit of work which was being syncpointed has been backed out.

This could result from shutting down IRC or from the failure of a connected CICS region.

System Action: The transaction is abnormally terminated. Recoverable resources updated by the unit of work are backed out and locks released. The EXEC CICS HANDLE ABEND command cannot handle this abend.

Message DFHAC2215 is sent to the terminal end user if possible, and message DFHAC2245 is sent to transient data destination CSMT.

User Response: Determine why the remote intersystem session returned a ROLLEDBACK response to the syncpoint request. Once this has been corrected retry the transaction.

To avoid ASPF abends in future, ensure that no in-flight units of work exist before shutting down IRC.

Module: DFHAPAC

ASPI

Explanation: During CICS synchronization level 1 (synclevel 1) commit, an unexpected FMH or no data has been received from the partner system. Local resources and synclevel 2 partners have been committed, but synclevel 1 function-shipped resource updates may have been backed out.

System Action: The transaction does not abend. CICS synclevel 1 commit processing continues, with the aim of committing as many synclevel 1 resources as possible.

User Response: Examine the transaction dump to determine why the FMH was invalid or missing, It is likely that the error is in the remote system.

See the *CICS Family: Communicating from CICS on System/390* for more information about syncpointing.

Module: DFHCR2U

ASPJ

Explanation: During CICS synchronization level 1 (synclevel 1) commit, unexpected syncpoint message data has been received from the partner system. Local resources and synclevel 2 partners have been committed, but synclevel 1 function-shipped resource updates may have been backed out.

System Action: The transaction does not abend. CICS synclevel 1 commit processing continues, with the aim of committing as many synclevel 1 resources as possible.

User Response: Examine the transaction dump to determine why the message data was invalid. It is likely that the error is in the remote system.

See the *CICS Family: Communicating from CICS on System/390* for more information about syncpointing.

Module: DFHCR2U

ASPN

Explanation: A transaction has issued an EXEC CICS RETURN in backout required program state. The backout required program state is set when an application receives or issues an abend, or receives a backout request on a protected conversation.

System Action: The transaction is abnormally terminated. Recoverable resources updated by the unit of work are backed out and locks released. The EXEC CICS HANDLE ABEND command cannot handle this abend.

Message DFHAC2216 is sent to the terminal end user if possible, and message DFHAC2246 is sent to transient data destination CSMT.

User Response: To avoid the transaction abend, the application should code an EXEC CICS SYNCPOINT command before the EXEC CICS RETURN. A syncpoint issued in 'backout required' program state results in a backout being performed, and the ROLLEDBACK condition returned on the EXEC CICS SYNCPOINT command. If this condition is then handled, a subsequent EXEC CICS RETURN will complete successfully.

Module: DFHAPAC

ASPO

Explanation: An intersystem session failed while a syncpoint was being taken. The intersystem session that failed was the link to the coordinator system. The failure occurred during the indoubt period of syncpoint processing. As a result this CICS system is in doubt as to the outcome of the unit of work for the transaction.

The unit of work is not shunted to await the return of the coordinator system, but is instead unilaterally committed. The unit of work is not shunted for one of the following reasons:

- The transaction definition specifies WAIT(NO).
- The unit of work includes an MRO session to a back-level CICS system which does not support the WAIT(YES) option, and the role of the session in the unit of work is such that it cannot await the return of the coordinator system.
- The unit of work includes an LU6.1 session, and the role of the session in the unit of work is such that it cannot await the return of the coordinator system.
- The unit of work involves a task related user exit which is not enabled with the INDOUBTWAIT option.
- The unit of work has updated a recoverable transient data destination, which is defined with WAIT(NO).
- The unit of work involves the installation of CICS resource definitions from the CSD (CICS system definition) file.

The unit of work is committed, rather than backed out, because the transaction definition specifies ACTION(COMMIT).

The fact that the unit of work is committed is remembered by the recovery manager (RM) domain until the unit of work is resynchronized with the coordinator system. At this time, according to whether the coordinator system committed or backed out, the recovery manager domain issues resynchronization messages reporting whether or not the resolution of the unit of work in the subordinate system was consistent with the coordinator system.

System Action: The transaction is abnormally terminated. Recoverable resources updated by the unit of work are committed and locks released. The EXEC CICS HANDLE ABEND command cannot handle this abend.

Message DFHAC2202 is sent to the terminal end user if possible, and message DFHAC2232 is sent to transient data destination CSMT.

User Response: Any updates performed by the unit of work are committed. There is a danger that recoverable resources will be inconsistent with the coordinator system if the coordinator system has backed out. If the reason for the failure is the first of those listed above and if you wish CICS to ensure that data integrity is maintained, change the indoubt transaction definition to specify WAIT(YES) so that CICS automatically handles indoubt failures and resynchronizes the unit of work when the link to the coordinator system is reestablished.

Module: DFHAPAC

ASPP

Explanation: An intersystem session failed while a syncpoint was being taken. The intersystem session that failed was the link to the coordinator system, and the failure occurred during the critical indoubt period of syncpoint processing. As a result this CICS system is in doubt as to the outcome of the unit of work for the transaction.

The unit of work is not shunted to await the return of the coordinator system. Instead it is unilaterally backed out. The unit of work is not shunted for one of the following reasons:

- The transaction definition specifies WAIT(NO).
- The unit of work includes an MRO session to a back-level CICS system which does not support the WAIT(YES) option, and the role of the session in the unit of work is such that it cannot await the return of the coordinator system.
- The unit of work includes an LU6.1 session, and the role of the session in the unit of work is such that it cannot await the return of the coordinator system.
- The unit of work involves a task related user exit which is not enabled with the INDOUBTWAIT option.
- The unit of work has updated a recoverable transient data destination, which is defined with WAIT(NO).
- The unit of work involves the installation of CICS resource definitions from the CSD (CICS system definition) file.

The unit of work is backed out, rather than committed, because the transaction definition specifies ACTION(BACKOUT).

The fact that the unit of work is backed out is remembered by recovery manager (RM) domain until the unit of work is resynchronized with the coordinator system. At this time, according to whether the coordinator system backed out or committed, the recovery manager domain issues resynchronization messages

reporting whether or not the resolution of the unit of work in the subordinate system was consistent with the coordinator system.

System Action: The transaction is abnormally terminated. Recoverable resources updated by the unit of work are backed out and locks released. The EXEC CICS HANDLE ABEND command cannot handle this abend.

Message DFHAC2203 is sent to the terminal end user if possible, and message DFHAC2233 is sent to transient data destination CSMT.

User Response: Any updates performed by the unit of work are backed out. There is a danger that recoverable resources will be inconsistent with the coordinator system if the coordinator system has committed. If the reason for the failure is the first of those listed above and if you wish CICS to ensure that data integrity is maintained, change the indoubt transaction definition to specify WAIT(YES) so that CICS automatically handles indoubt failures and resynchronizes the unit of work when the link to the coordinator system is reestablished.

Module: DFHAPAC

ASPQ

Explanation: During phase 2 of the two phase syncpoint protocol an error occurred while communicating with a remote system. The error occurred after the recoverable resources were committed or backed out, so data integrity is not in danger.

System Action: The transaction is abnormally terminated. Recoverable resources updated by the unit of work will have backed out or committed depending on the decision taken by the recovery manager (RM) domain, which was not influenced by this later problem. The EXEC CICS HANDLE ABEND command cannot handle this abend.

Message DFHAC2221 is sent to the terminal end user if possible, and message DFHAC2251 is sent to transient data destination CSMT.

User Response: Refer to earlier messages issued by the communication or remote resource management components of CICS to determine the cause of the intersystem communication problem.

Module: DFHAPAC

ASPR

Explanation: Intersystem communication failed while a syncpoint was being taken. Communication with the coordinator system has been interrupted, and the failure occurred during the critical indoubt period of syncpoint processing. As a result this CICS system is in doubt as to the outcome of the unit of work for the transaction.

However, this CICS system has not updated any recoverable resources in the unit of work and hence does not require the unit of work to be shunted to await resynchronization of its resources later. The coordinator system commits or backs out its resources. No resources on this system need to be kept in step.

This error can occur with external resource managers connected to CICS via the resource manager interface (RMI) as well as CICS systems connected via LU 6.2, and MRO. If an external resource manager such as DB2 is the only recoverable resource updated in the transaction, the recovery manager (RM) domain can optimize the syncpoint protocol. In this instance, the external resource manager becomes the syncpoint coordinator. If the link to the external resource manager is lost during this time, CICS will be indoubt as to whether the external resource manager updates were committed or backed out.

System Action: The transaction is abnormally terminated. There are no recoverable resources affected in this CICS system. The EXEC CICS HANDLE ABEND command cannot handle this abend.

Message DFHAC2222 is sent to the terminal end user if possible, and message DFHAC2252 is sent to transient data destination CSMT.

User Response: Refer to messages on the remote system to determine if the remote resources were backed out or committed.

Module: DFHAPAC

ASP1

Explanation: Intersystem communication failed while a syncpoint was being taken. Communication with the coordinator system has been interrupted, and the failure occurred during the critical indoubt period of syncpoint processing. As a result this CICS system is in doubt about the outcome of the unit of work for the transaction.

Alternatively, a transaction may have timed out while waiting for Recoverable Resource Management Services (RRMS) to provide the outcome of the unit of work, or RRMS may have failed during the critical indoubt period.

The transaction definition specifies WAIT(YES) as an indoubt attribute. Therefore the unit of work is not completed but is shunted and allowed to wait for resynchronization with the coordinator system. If the WAITTIME attribute is specified on the transaction definition, the unit of work waits for the specified time. If after that time the coordinator system has not resynchronized, a unilateral decision is made about the unit of work as specified by the ACTION keyword on the transaction definition. A WAITTIME of zero, the default, means an indefinite wait. The unit of work can also be forced to take a unilateral decision by means of a CEMT SET UOW command.

System Action: The transaction is abnormally terminated. The EXEC CICS HANDLE ABEND command cannot handle this abend.

The associated unit of work is shunted awaiting the return of the coordinator system. Recoverable resources updated by the unit of work remain locked. The locks are released when the unit of work is backed out or committed at resynchronization time, or when a unilateral decision is made by this system.

Message DFHAC2201 is sent to the terminal end user if possible, and message DFHAC2231 is sent to transient data destination CSMT.

User Response: None. Any updates performed by the unit of work are resolved automatically when resynchronization with the coordinator system takes place.

Alternatively, the user can force resolution of the updates independently of the coordinator system by making a CEMT request to commit or back out the unit of work.

Module: DFHAPAC

ASP2

Explanation: A syncpoint has been attempted when an intersystem conversation is in a state in which the EXEC CICS SYNCPOINT command is not allowed.

System Action: The task is abnormally terminated with a CICS transaction dump which includes terminal control information. In particular, the dump contains state information for the links used by this transaction. The EXEC CICS HANDLE ABEND command cannot handle this abend.

User Response: Ensure that the application issues an EXEC CICS SYNCPOINT command only when its sync level 2 conversations are in the correct state. The EXEC CICS

SYNCPOINT command may be issued only when each conversation is in one of the following states:

SEND
PEND-RECEIVE (Not for MRO)
PEND-FREE
SYNC-RECEIVE
SYNC-SEND (Not for MRO)
SYNC-FREE

Module: DFHAPAC

ASP3

Explanation: An application has requested syncpoint, either via EXEC CICS SYNCPOINT or implicitly via EXEC CICS RETURN. The coordinator of the syncpoint is not this CICS system but is remote. During the syncpoint protocol the remote coordinator has decided that the unit of work cannot be committed and must be backed out.

This error can occur with external resource managers connected to CICS via the resource manager interface (RMI) as well as CICS systems connected via LU 6.2, and MRO. If an external resource manager such as DB2 is the only recoverable resource updated in the transaction, the recovery manager (RM) domain can optimize the syncpoint protocol. In this instance, the external resource manager becomes the syncpoint coordinator. In this instance if the external resource manager returns with a backed out response, an ASP3 abend results.

System Action: The transaction is abnormally terminated and recoverable resources updated by the unit of work are backed out. The EXEC CICS HANDLE ABEND command cannot handle this abend.

Message DFHAC2220 is sent to the terminal end user if possible, and message DFHAC2250 is sent to transient data destination CSMT.

User Response: Refer to the remote coordinator system to determine why the unit of work was backed out.

Module: DFHAPAC

ASP7

Explanation: A resource manager involved in syncpoint protocols has replied 'No' to a request to 'Prepare'. The resource manager may be local to this CICS system, or may be a remote resource manager on another CICS system, or an external resource manager communicating through the resource manager interface (RMI).

System Action: CICS terminates the transaction abnormally. Recoverable resources updated by the unit of work are backed out. The EXEC CICS HANDLE ABEND command cannot handle this abend.

If it is a local resource manager that has voted no, message DFHAC2218 is sent to the terminal end user if possible, and message DFHAC2248 is sent to transient data destination CSMT.

If it is a remote resource manager that has voted no, message DFHAC2219 is sent to the terminal end user if possible, and message DFHAC2249 is sent to transient data destination CSMT.

User Response: This abend is caused by a prior problem. For example, the resource manager cannot flush its buffers because of an I/O error, or it cannot communicate with CICS because of a TP failure. Correct the earlier problem.

Module: DFHAPAC

ASP8

Explanation: The transaction requested syncpoint rollback, but was using a type of processing for which syncpoint rollback is not supported.

System Action: CICS terminates the transaction abnormally. The EXEC CICS HANDLE ABEND command cannot handle this abend.

Message DFHAC2217 is sent to the terminal end user if possible, and message DFHAC2247 is sent to transient data destination CSMT.

User Response: This error may be an application error or a configuration error. Some communication sessions, (for example, LU6.1) do not support syncpoint rollback, and if CICS detects such a session during rollback processing, the task is abended. This restriction is described in the *CICS Intercommunication Guide*. To resolve the problem, either:

- Change the application so that it does not issue syncpoint rollback commands while the non-supporting sessions are allocated, or
- Change the configuration so that either APPC or MRO sessions are used for communication. These are the only two session types which support syncpoint rollback.

Alternatively, following a session failure during a previous syncpoint, CICS may have decided to rollback this unit-of-work in order to preserve data integrity. Since the unit-of-work contains a session which does not support syncpoint rollback, this abend ensues. In this case, no action is required in response to this abend, although action may be requried to deal with the original failure.

Module: DFHAPAC

ASP9

Explanation: The transaction requested syncpoint via EXEC CICS SYNCPOINT, but this is not allowed in a transaction that is acting on behalf of an Activity.

System Action: CICS terminates the transaction abnormally. EXEC CICS HANDLE ABEND command cannot handle this abend.

User Response: The error indicates an invalid attempt to syncpoint the transaction.

Module: DFHEISP

ASQA

Explanation: The CLS2 transaction was processing resynchronization work but the communications session which it was using has failed.

System Action: The work is reexecuted on a new session. If reexecution has has already been attempted, the transaction terminates.

User Response: The error may be caused by the failure of several sessions between communicating systems during the resynchronization process. To confirm this, examine the CSMT transient data queue for the relevant period.

Another cause could be logic errors within the resynchronization program, either on this system or on the partner system, which caused the session to be terminated. In this case, CSMT transient data messages indicate the nature of the error.

Module: DFHCRRSY

ASQB

Explanation: The CLS2 transaction was executing exchange log names or resynchronization with a remote system when a logic error occurred.

System Action: The transaction is abnormally terminated with a transaction dump.

Message DFHRS2158 may also be issued.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHCRRSY

ASQC

Explanation: The CLS2 transaction was attached with an unexpected start code. The transaction can be attached due to terminal input (on a communications session), or via a system attach. Neither of these methods was used.

System Action: The transaction is abnormally terminated.

User Response: The error indicates an invalid attempt to start the transaction.

Module: DFHCRRSY

ASQD

Explanation: The CLS2 transaction was attached but could not use the transaction manager interface to obtain input parameters.

System Action: The transaction is abnormally terminated.

User Response: The error indicates a failure in the transaction manager. See the exception trace entries produced by the transaction managed to determine the reason for the error.

Module: DFHCRRSY

ASQG

Explanation: The CLS2 transaction was executing resynchronization work and has failed during the receipt of data from remote system via an MRO session. The data was longer than expected.

System Action: The transaction is abnormally terminated with a transaction dump.

User Response: The abend indicates a CICS logic error, possibly in the remote system. The transaction storage in the dump shows the data received. The transaction trace shows the preceding flows between the systems, which should match those documented in the *SNA LU6.2 Reference: Peer Protocols* manual, SC30-6808.

You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHCRRSY

ASQH

Explanation: The CLS2 transaction was executing resynchronization work and has failed during the receipt of data from remote system via an MRO session. The data was shorter than the minimum length expected.

System Action: The transaction is anormally terminated with a transaction dump.

User Response: This indicates a CICS logic error, possibly in the remote system. The transaction storage in the dump shows the data received. You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHCRRSY

ASQI

Explanation: The CLS2 transaction was executing the exchange lognames process as part of the initialization sequence for an APPC connection. An attempt to invoke the CICS recovery manager to save a logname failed.

System Action: The transaction is abnormally terminated with a transaction dump.

Message DFHRS2157 may also be issued.

User Response: This indicates an error in the CICS recovery manager which has produced its own exception trace records. Look at the trace records and the CSMT message log for further information about the error.

Module: DFHCRRSY

ASQK

Explanation: The CLS2 transaction was processing exchange lognames or resynchronization for a connected partner identified by a netname. The connection entry associated with the netname was located and locked, but could not be unlocked in subsequent processing. This indicates a CICS internal logic error.

System Action: The transaction is abnomally terminated with a transaction dump.

Message DFHRS2156 may also issued.

User Response: This indicates an error either in the CICS table manager, (which may have produced its own exception trace records) or in the resynchronization program itself. Look at the trace records and the CSMT message log for further information which might have indicated an error in the table manager program or in the table entry for the connection. You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHCRRSY

ASQL

Explanation: The CLS2 transaction was executing the resynchronization of a unit of work with a connected partner, and has locked the associated data managed by the CICS recovery manager. The invocation of the TERMINATE_RECOVERY command to unlock the data failed.

System Action: The transaction is abnormally terminated with a transaction dump.

Message DFHRS2154 is also issued.

User Response: This indicates an error either in the CICS recovery manager (which may have produced its own exception trace records) or in the resynchronization program itself. Look at the trace records and the CSMT message log for further information. You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHCRRSY

ASQM

Explanation: A CICS internal logic error has occurred in the management of dynamic storage for the resynchronization program.

System Action: The transaction is abnormally terminated with a transaction dump.

User Response: This indicates that the resynchronization program has exhausted the available space for recording storage areas. The symptoms may indicate that the program was looping without executing the error recovery process. You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHCRRSY

ASRA

Explanation: The task has terminated abnormally because of a program check.

System Action: The task is abnormally terminated and CICS issues either message DFHAP0001 or DFHSR0001. Message DFHSR0622 may also be issued.

User Response: Refer to the description of the associated message or messages to determine and correct the cause of the program check.

Module: DFHSRP

ASRB

Explanation: An operating system abend has occurred and CICS has been able to abend the current transaction.

System Action: The task is abnormally terminated and CICS issues either message DFHAP0001 or DFHSR0001

User Response: Refer to the description of the associated message to determine the cause of the original operating system abend, and take the necessary corrective action.

Module: DFHSRP

ASRD

Explanation: The task has been abnormally terminated for one of these reasons:

- A program contains an assembler macro call which is no longer supported by CICS.
- An invalid attempt has been made to access the CSA or TCA. This abend could be caused by an attempt to address the CSA through OS/VS COBOL BLL cells. For example:

  When an OS/VS COBOL program is invoked by CICS for MVS, CICS inserts the address of the fetch-protected dummy CSA into the first of the application-managed BLL cells. If an attempt is made to access this storage before the application has reinitialized the BLL cell, abend ASRD will occur.
- A non-assembler program has been wrongly defined to CICS as an assembler program.

This error appears as a program check.

System Action: The task is abnormally terminated and CICS issues message DFHSR0618, followed by either DFHAP0001 or DFHSR0001.

User Response: Refer to the description of the associated messages to determine and correct the error.

It is likely that either R12 which usually addresses the TCA or R13 which usually addresses the CSA is pointing to an area of storage that you are not allowed to access.

For more infomation about OS/VS COBOL BLL cells and associated problems, see the *CICS Problem Determination Guide*

Module: DFHSRP

ASRE

Explanation: The task has been abnormally terminated because an attempt has been made to access a CICS-DB2 RCT load module.

The RCT nolonger exists as a load module and cannot be accessed directly.

To access information held in the RCT use the CICS SPI commands EXEC CICS INQUIRE/SET DB2CONN, EXEC CICS INQUIRE/SET DB2ENTRY and EXEC CICS INQUIRE/SET DB2TRAN.

This error appears as a program check.

System Action: The task is abnormally terminated and CICS issues message DFHSR0619, followed by either DFHAP0001 or DFHSR0001.

User Response: Change the application to use the CICS SPI commands to retrieve data from, or set fields in, the RCT.

Module: DFHSRP

ASRK

Explanation: The AP domain recovery stub, DFHSR1, has been invoked to deal with a program check, operating system abend, or another error within a transaction environment. However, DFHSR1 has been unable to call the system recovery program, DFHSRP, because register 12, which should be pointing to the task control area (TCA), is null. This indicates that the caller of DFHSR1, has not set the address of the TCA..

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHSR1

ATCA

Explanation: The system was in a final quiesce mode when the CICS application program issued a DFHTC macro.

System Action: The task requesting the I/O is abnormally terminated with a CICS transaction dump.

User Response: None.

Module: DFHZARQ

ATCB

Explanation: The CICS application program issued two consecutive DFHTC writes or two consecutive DFHTC reads, but in either case did not issue an intervening wait.

Problem Determination: A transaction dump is provided with this abend. In the dump, register 12 addresses the current TCA, and register 10 and the field TCAFCAAA address the TCTTE associated with this task. In TCATPOS2, bit TCATPOWR (X'01') indicates that a write is requested by the DFHTC macro, and bit

TCATPORR (X'10') indicates that a read is requested. In TCTTEOS, bit TCTTEOWR (X'01') indicates that a write is in progress, and bit TCTTEORR (X'10') indicates that a read is in progress.

Analysis:

Register	Label	Description
R10=@TCTTE R12=@TCA	TCZARQ05 (TCZAQ1W)	Bit TCATPOWR is on in byte TCATPOS2, and bit TCTTEOWR is on in byte TCTTEOS.
R10=@TCTTE R12=@TCA	TCZARQ05 (TCZAQ2W)	Bit TCATPOWR is on in byte TCATPOS2, and bit TCTTEORR is on in byte TCTTEOS.
R10=@TCTTE R12=@TCA	TCZARQ12	Bit TCATPORR is on in byte TCATPOS2, and bit TCTTEORR is on in byte TCTTEOS.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: Take corrective action within the program being executed.

This is almost certainly an application program error. Determine the flow of control through the application and determine why an intervening wait is not issued. The trace table may be useful to discover where the application is issuing the read and write requests. If necessary, start trace or auxiliary trace using the master terminal command and rerun the transaction to obtain a trace. The output of the auxiliary trace can be printed using the trace utility program, DFHTU520.

Module: DFHZARQ

ATCC

Explanation: An application program, using a pipeline session, has either issued more than one write request or issued a read request.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: Correct the application program so that it will not issue more than one consecutive WRITE to a pipeline session terminal.

Module: DFHZARQ

ATCD

Explanation: This abend code is used whenever a CTYPE request or a QUEUE request is issued and VTAM or a ZCP function has not been included in the system.

It is also used to abend a task that issues an APPC command when the CICS system is not at a level to support APPC.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: Correct the transaction so that it does not issue a CTYPE macro instruction if VTAM is not generated into the system, or include the ZCP function for which the CTYPE or QUEUE request was issued.

Modules: DFHZDSP, DFHZERH

ATCE

Explanation: A CICS application program has issued a DFHTC request without specifying the address of a TIOA, but the request is not an ERASE ALL UNPROTECTED or a READBUF request for a 3270 data stream terminal.

Problem Determination: A transaction dump is provided with this abend. In the dump, register 12 addresses the current TCA, and register 10 and the field TCAFCAAA addresses the TCTTE associated with this task. Register 8 and TCTTEDA should contain the address of the TIOA to be used in the I/O request, but actually they contain zero. For a 3270 data stream terminal, byte TCTETDST has bit TCTETTSI (X'01') set. An erase-all-unprotected request is indicated by the setting of bit TCTTEEUI (X'40') in byte TCTTEEUB, and a read buffer request is indicated by the setting of bit TCTTERBI (X'80') in byte TCTTERBB. **Analysis:**

Register	Label	Description
R10=@TCTTE	TCZARQ41	NIOABAR (register 8) contains zero.
R8=0		Register 8 has been loaded field TCTTEDA of the TCTTE associated with this task.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: Correct the error in the user program by ensuring that a terminal input/output area (TIOA) is provided at write time.

This is almost certainly an application program error. Determine the flow of control through the application and determine why a TIOA has not been specified.

Module: DFHZARQ

ATCF

Explanation: A DFHTC CTYPE macro was issued to a non-VTAM terminal control table terminal entry (TCTTE), or a DFHTC CTYPE=COMMAND or RESPONSE macro was issued to a VTAM 3270 TCTTE.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: Ensure that the program issues CTYPE macros to VTAM terminals only, and does not issue CTYPE=COMMAND or RESPONSE to a VTAM 3270.

Module: DFHZCRQ

ATCG

Explanation: A CICS application program has issued a DFHTC request for a terminal that it does not own. The problem of ownership may be because the task previously issued a WRITE,LAST request (which would have detached the terminal from that task) or because the task incorrectly specified the terminal to which the request is directed.

Problem Determination: Register 12 addresses the current TCA and register 10 contains the address of the TCTTE. The address of the TCTTE was obtained either from TCAFCAAA in the case of a non-ISC transaction, or from TCATPTA if bit TCATPTTA (X'40') is on in byte TCATPOC3 (this indicates that TERM=YES was specified on the DFHTC request and that this is an ISC transaction). In the TCTTE thus located, the field TCTTECA does not contain the address of the TCA, indicating that this TCA is not owned by this task.

Analysis: A DFHTC request has been issued specifying a TCTTE in which the field TCTTECA does not contain the address of the TCA.

```
Register    Label     Description

R10=@TCTTE  TCZARQ05  TCTTECA is not equal
                      to register 12.
```

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: This is most probably an application error (unless storage has been completely overwritten). Determine the flow from the trace table and when a request to the DFHZCP detach routine, DFHZDET, or a DFHTC WRITE,LAST was issued.

Module: DFHZARQ

ATCH

Explanation: The task was purged before a domain call was able to complete successfully. The task that first detected the purged condition provides an exception trace.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: Investigate why the task was purged. It was purged either as a result of a purge from the master terminal operator via the CEMT transaction, or by the task being timed out after waiting for longer than the DTIMOUT (deadlock timeout) value specified for the transaction, or by CICS issuing a purge request.

If the master terminal operator purged the task, this may have been in an attempt to clear the system which appeared to be deadlocked for some reason.

If the task was timed out automatically as a result of the DTIMOUT value being exceeded, this may be due to insufficient main storage being available for the number of tasks in the system. If the amount of main storage cannot be increased, reduce the number of tasks in the system to avoid short-on-storage situations. Another possibility is to increase the value of the DTIMOUT option for the transaction.

When CICS purges a task, it does so to allow an operation to complete which would be held up by the presence of active tasks, or to ensure data integrity. For example, CICS will purge a task which has made recoverable updates to a coupling facility data table if it determines that the coupling facility data table server for the pool in which that table resides has recycled, to ensure that all updates in the unit of work will be backed out.

Modules: DFHBSM62 DFHBSS DFHBSSZ DFHBSTZ DFHBSTZV DFHBSTZ1 DFHBSTZ2 DFHTBSB DFHTBSBP DFHTBSD DFHTBSDP DFHTBSL DFHTBSLP DFHTBSQ DFHTBSR DFHTBSRP DFHTBSSP DFHTCRP DFHTOASE DFHTOATM DFHTOLCR DFHTOLUI DFHTRZCP DFHTRZIP DFHTRZPP DFHTRZXP DFHTRZYP DFHTRZZP DFHZCQCH DFHZCQDL DFHZCQIQ DFHZCQIS DFHZCQRS DFHZCQ00 DFHMRXM DFH62XM

ATCI

Explanation: An error (INVALID, DISASTER, or unexpected EXCEPTION response) has occurred on a call to module DFHRTSU. The module that detected the original error provides an exception trace, a console message and, possibly a system dump (depending on the options specified in the dump table).

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: See the related message produced by the module that detected the original error.

Modules: DFHZSUP DFHMRXM DFH62XM

ATCJ

Explanation: This abend is issued by DFHZATA in the following circumstances:

- Transaction CATA is issued from a terminal
- The address of the AWE (TCAFCAAA) is 0
- The AWE is invalid (TCTWETYP should be TCTTEAWE)
- An abend is issued early in DFHZATA.

This abend is issued by DFHZATD in the following circumstances:

- Transaction CATD is issued from a terminal
- The address of the AWE (TCAFCAAA) is 0
- TCAFCAAA is an AWE and not a terminal
- An abend is issued early in DFHZATD.

This abend is issued by DFHZATR in the following circumstances:

- Transaction CATR is issued from a terminal
- An abend is issued early in DFHZATD.

System Action: CICS rejects the request.

User Response: Determine the issuing program and the reason for the abend and take the appropriate action as follows:

Do not try to invoke CATA, CATD or CATR from a terminal.

If the address in TCAFCAAA is incorrect, the calling mechanism has failed. This is a CICS logic error.

If an abend has been issued, use the transaction dump to determine where the abend occurred. This is a CICS logic error.

Modules: DFHZATA DFHZATD DFHZATR

ATCK

Explanation: An application program has issued a WRITE to a VTAM terminal specifying CCOMPL=NO without being authorized to do so.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: Specify CHAINCONTROL in the transaction profile.

Module: DFHZARQ

ATCL

Explanation: An error has occurred either during automatic journaling or automatic logging of terminal messages to or from this transaction. The message being logged will be one associated with an explicit READ or WRITE in the application program.

Problem Determination: Register 12 addresses the current TCA and field TCAJCAAD and register 4 address the JCA. The log manager request is contained in JCATR2 and the response code is in JCAJCRC.

Possible request codes are:

```
X'8001' - WRITE
X'8003' - PUT
```

Possible response codes are:

```
X'01' - IDERROR - Journal identification error
X'02' - INVREQ  - Invalid request
X'03' - STATERR - Status error
X'05' - NOTOPEN - Journal not open
X'06' - LERROR  - Journal record length error
X'07' - IOERROR - I/O error.
```

The address of the TIOA is contained in register 8 and its data length is in TIOATDL.

Analysis:

Register	Label	Description
R4=@JCA	TCZARQPJ	JCAJCRC is nonzero.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: Use the dump to ascertain why the journal or log record could not be written correctly. If a journal record length error is indicated, TIOATDL may have been corrupted.

Modules: DFHETL, DFHTCPCM, DFHZARQ

ATCN

Explanation: An error has occurred during the automatic journaling or automatic logging of the initial input message of this transaction. This input message is the message that actually caused the transaction to be invoked.

Problem Determination: Register 12 addresses the current TCA and field TCAJCAAD and register 4 address the JCA. The log manager request is contained in JCATR2 and the response code is in JCAJCRC.

Possible request codes are:

```
X'8001' - WRITE
X'8003' - PUT
```

Possible response codes are:

```
X'01' - IDERROR - Journal identification error
X'02' - INVREQ  - Invalid request
X'03' - STATERR - Status error
X'05' - NOTOPEN - Journal not open
X'06' - LERROR  - Journal record length error
X'07' - IOERROR - I/O error.
```

Analysis:

Register	Label	Description
R4=@JCA	TCZARQJP	JCAJCRC is nonzero.
	TCZSUPJW	Journal error.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: Use the dump to ascertain why the log record could not be written correctly. For a guide to analyzing the dump, see abend code ATCM.

If a journal record length error is indicated, TIOATDL (X'08') may have been corrupted.

Modules: DFHZSUP DFH62XM DFHTFXM

ATCO

Explanation: An application program has attempted to perform a function not supported by a terminal or system.

Possible errors are:

1. **SIGNAL not supported**.

   A DFHTC TYPE=SIGNAL request with the WAIT=YES option was issued to a VTAM logical unit that CICS does not support for the receipt of the SIGNAL indicator.

2. **WRITE STRUCTURED FIELD not supported**.

   This write may have been attempted as a result of a SEND command with the STRFIELD keyword to a device that does not support this function.

3. **APPC mapped conversation not supported**.

   The application has attempted to perform a normal terminal control command on a session that is in use for an APPC unmapped conversation. (Only EXEC CICS GDS commands are permitted.)

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: Correct the application program.

Module: DFHZARQ

ATCQ

Explanation: The application program issued a write operation to a terminal that was in send status. In order to allow this write to proceed, a signal command was sent, and DFHZCP started to read data from the terminal waiting for the change direction indication. As each data record is received, it is placed on temporary storage and, for one of these operations, a temporary storage error has occurred.

Problem Determination: Register 12 addresses the current TCA. TCACCSV1 contains a saved copy of TCATSTR containing the temporary storage response code. The temporary storage response code may be one of:

```
X'04' - IOERROR - I/O error
X'08' - NOSPACE - No temporary storage space
X'20' - INVREQ  - Invalid request.
```

The temporary storage identification is constructed by concatenating the character string “DFHQ” with the terminal identification from TCTTETI. The temporary storage identification is placed in TCATSDI.

Register 8 and field TCTTEDA address the TIOA that is being written to temporary storage. The address passed to temporary storage is that of TIOATDL.

Analysis: After the DFHTS TYPE=PUTQ, the temporary storage response code was not zero.

Register	Label	Description
R12=@TCA	ZRAQ60	TCATSTR is nonzero.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: Check that temporary storage has been included in the system and that it has sufficient space.

If an invalid request is indicated, check that the length of the data being written to temporary storage is not greater than the VSAM control interval size minus 84. The length of the data is in TIOATDL (which is 8 greater than the length of the data that is read in by DFHZCP).

Module: DFHZRAQ

ATCR

Explanation: An application program has issued a read operation, after a previous write operation has caused DFHZCP to read-ahead data from the terminal in order to avoid a lock-out. DFHZCP has now issued a DFHTS GETQ to retrieve the saved data from temporary storage, and an error has occurred.

Problem Determination: Register 12 addresses the current TCA. TCACCSV1 contains a saved copy of TCATSTR that contains the temporary storage response code. The temporary storage response code may be one of:

```
X'01' - ENERROR - Entry error
X'02' - IDERROR - Identification error
X'04' - IOERROR - I/O error
X'20' - INVREQ  - Invalid request
```

The temporary storage identification is constructed by concatenating the character string “DFHQ” with the terminal identification from TCTTETI. The temporary storage identification is placed in TCATSDI.

Analysis: After the DFHTS TYPE=GETQ, the temporary storage response code was not zero.

Register	Label	Description
R12=@TCA	ZRAR90	TCATSTR is not zero.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: Determine the cause of the temporary storage error and correct it.

If a temporary storage identification error is indicated, examine TCTTETI for a valid terminal identification.

Module: DFHZRAR

ATCS

Explanation: An application program attempted to send data to a logical unit after a SIGNAL data flow command with an RCD (request change direction) has been received. This condition arises when the application handles the IGREQCD exceptional condition incorrectly.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: Handle the IGREQCD exceptional condition correctly.

Module: DFHZARQ

ATCT

Explanation: An attempt to build a surrogate TCTTE to represent a remotely-owned terminal failed.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Modules: DFHZSUP DFHMRXM DFH62XM

ATCU

Explanation: An application program attempted to send data to a logical unit, but was in receive mode (EIBRECV is set), and read-ahead queuing was not specified in installed profile definition (RAQ=NO).

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: Either change the application program to issue receives until EIBRECV is not set, or specify RAQ=YES in the installed profile definition (If RAQ=YES is specified, ensure that all input messages are read before the transaction is terminated.)

Module: DFHZARQ

ATCV

Explanation: An application attempted an operation on a logical unit, but was not in the correct mode for one of the following reasons:

1. When issued by DFHZARQ, CICS cannot perform the current request because another request is outstanding (EIBSYNC is set). This holds for APPC or non-APPC systems
2. When issued by DFHETL, the application is communicating with an APPC system, and is not in the correct state to perform the attempted operation. This holds for APPC systems only
3. When issued by DFHZISP, a TCTTE free was requested, and there is an outstanding sync point request. This holds for non-APPC systems only
4. When issued by DFHZISP, a TCTTE free was requested, the TCTTE is in receive mode, and RAQ=NO was specified in the installed profile definition. This holds for non-APPC systems only.

Problem Determination: Register 12 addresses the current TCA. Register 10 and field TCAFCAAA address TCTTE. The terminal byte TCTTECRE has bit TCTEUCOM (X'02') set if sync point is required, and TCTEUFRT (X'04') set if Free Session is required; TCTESMDI has TCTEUSMD (X'02') set if the application is in SEND mode. TCTERCVI has TCTEURCV (X'01') set if the application is in RECEIVE mode. Bit TCTESRAQ (X'80') in byte TCTEIRAQ indicates that read-ahead queuing is coded on the installed profile definition for this transaction.

The type-of-request bits in the TCA are set as follows:

- TCATPOS1 TCATPIS (X'01') Signal requested.
  - TCATPFRE (X'03') Free TCTTE.
- TCATPOS2 TCATPORR (X'10') Receive requested.
  - TCATPOWR (X'01') Send requested.

Analysis:

Number	Label	Description
DFHZARQ		
1.	TCZAQW8	Attempting to receive when sync point or Free Session outstanding.
2.	TCZAQ2W	Attempting to send while in receive mode.
3.	ZARQNOPG	Issuing SIGNAL while in send mode.
DFHZISP		
4.	ZISPVTCK	Attempting to free session while sync point request is outstanding.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: The response depends on the reason for the error as follows:

1. Issue a sync point and then issue the request.
2. Issue the free request and reallocate the session.
3. Either change the application to issue receives until EIBRECV is not set, or specify RAQ=YES in the installed profile definition. (If you specify RAQ=YES in the installed profile definition, ensure that all input messages are read before the transaction is terminated.)
4. See the *CICS Distributed Transaction Programming Guide* where rules for the correct use of commands are given. Then correct the application.

The application program has attempted an operation on a logical unit that is invalid, because the program's current status on the session with that logical unit does not permit it. An investigation of the TCTTE (that is, Session), status bytes, and TCA type of request bytes will reveal which of the above problems are relevant.

When the cause of the problem has been ascertained, the application program should be changed to ensure that the session-oriented information is acted upon before any further requests are sent across that session. The session status information is made available to the application program in the exec interface block (EIB) immediately following the execution of RECEIVE, CONVERSE, or RETRIEVE requests across the session. The relevant bytes must be tested, strictly in the order shown, and acted upon, before any further operations are attempted on the session. In addition, the status information bytes themselves are necessarily volatile in that they are reset before the execution of every EXEC CICS... statement. Thus it is good programming practice to save them into application user storage after a RECEIVE, CONVERSE, or RETRIEVE for later testing. The states are:

1. EIBSYNC the application must take a syncpoint

2. EIBFREE the application must free the session (or terminate when the session will be freed automatically)

3. EIBRECV the application must continue receiving data by issuing further RECEIVE commands; by definition, data cannot be sent while in this state.

Some of these status tests can sometimes be omitted (for example, testing of the EIBSYNC status is not essential if it is known that the application program on the remote system never issues sync point requests itself). However, the tests should always be carried out, particularly if the remote application might be amended at a future date, in which event the session handling logic may well be altered. Also, it may be that the remote transaction itself causes an unsuspected flow on the session. For example, if the remote program issues EXEC CICS SEND..... LAST across the session, followed by RETURN, a syncpoint request (RQD2) will be added onto the transmitted data. (The application programmer is referred to the *CICS Distributed Transaction Programming Guide* for a discussion of this topic). As a result of this addition, an unsuspected syncpoint request is received by the local application, which abend if the session is freed without the sync point request being honored.

Note: An ATCV abend is also raised by module DFHETL if a state error occurs during processing of an APPC mapped application (that is, the program attempts to perform an operation while in the wrong state). The handling of APPC mapped applications is described in the *CICS Diagnosis Reference*. Some commands are processed by DFHZARQ, as above, and others by various other modules invoked by DFHETL. Rules for using commands for APPC are given in the *CICS Distributed Transaction Programming Guide*. Reference to this guide should reveal the programming error.

Modules: DFHETL, DFHZARQ, DFHZISP

ATCW

Explanation: The system has been generated without an installed profile definition for an LU6.1 or APPC session.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: Notify the system programmer of the error.

Modules: DFHZSUP DFHMRXM DFH62XM

ATCX

Explanation: An error (INVALID, DISASTER, or unexpected EXCEPTION response) has occurred on a call to the storage manager (SM) domain. The domain that detected the original error provides an exception trace, a console message and, possibly, a system dump (depending on the options specified in the dump table).

An application program that issues terminal control requests after an ATCX abend may cause further problems.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: See the related message produced by the domain that detected the original error.

Modules: DFHBSMIR, DFHBSMPP, DFHBSM62, DFHBSS, DFHBSTB, DFHBSTB3, DFHBSTC, DFHBSTZ, DFHBSTZB, DFHBSTZO, DFHBSTZR, DFHBSTZV, DFHBSTZ1, DFHBSTZ2, DFHBSZZS, DFHAPRT, DFHCRP, DFHQRY, DFHZARL, DFHZARQ, DFHZERH, DFHZGET, DFHZFRE, DFHZNAC, DFHZRVS, DFHZSUP, DFHMRXM, DFH62XM DFHZTSP, DFHZXST

ATCY

Explanation: An error has occurred during the processing of an inbound function management header (FMH). Either a length error has been detected, for example, incomplete FMH received, or an invalid field has been detected within the FMH.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: Notify the system programmer of the error. The problem is probably in the remote system that has sent the invalid FMH.

If the inbound FMH is from a system with an earlier release of CICS then you may need to set USEDFLTUSER. See 'Attach Time Security and the USEDFLTUSER option' in chapter 12 of the *CICS RACF Security Guide*.

Modules: DFHZARQ, DFHZSUP DFHMRXM DFH62XM

ATCZ

Explanation: An error (INVALID, DISASTER or EXCEPTION response) has occurred on the SET_NETWORK_IDENTIFIER call to the security domain as part of opening the CICS VTAM ACB (for example, EXEC CICS SET VTAM OPEN or CEMT SET VTAM OPEN). The domain that detected the original error provides an exception trace, a console message, and depending on the options specified in the dump table, a system dump.

System Action: The task is abnormally terminated with a CICS transaction dump. The VTAM ACB is closed.

User Response: Use the dump, the trace and the console message to diagnose and correct the original error. Retry the command when the earlier error is resolved.

Module: DFHZSLS

ATC1

Explanation: The CICS terminal control restart task could not complete because a necessary step failed. The task has done some essential recovery operations and abnormally terminated itself with code ATC1.

System Action: CICS writes a transaction dump for the terminal control restart task.

CICS sends two messages to the console, one to identify the error detected by the terminal control restart task, and DFHTC1001 to report that the task has failed. A third message follows either to say that CICS has terminated abnormally with a dump, or to ask you to reply GO or CANCEL. Depending on the nature of the original error, you may see messages from some other system component (for example, an access method).

User Response: First, if CICS has requested a response, you must reply. If you reply 'GO', CICS continues processing, but without terminal control. If you reply 'CANCEL', CICS terminates abnormally with a dump.

Use the messages and dumps to find out the cause of the failure.

Module: DFHTCRP

ATC2

Explanation: A CICS SET VTAM OPEN command has failed due to VTAM rejecting a CICS request.

System Action: Message DFHZC2302, DFHZC2304 or DFHZC2307 is sent to the console, and CICS terminates the transaction abnormally with a transaction dump.

User Response: The RPL with the VTAM request code and return code can be found in the RA pool addressed from TCTVRVRA. Use the *VTAM Programming* manual, to determine the cause of the error and the actions necessary to correct it. After correcting the error, either retry the request or terminate CICS and restart the network in your own time.

Module: DFHZSLS

ATC3

Explanation: A write to a TLX device was issued with a data length of 0 causing TIOA data length (TIOATDL) to be 0.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: Correct the error in the user program by ensuring that a data length for data to be placed in the Terminal Input/Output area (TIOA) is provided at write time.

Module: DFHZARQ

ATC4

Explanation: A serious CAVM error has occurred. The XRF TCB has abended.

System Action: CICS abnormally terminates with a system dump.

User Response: Use the dump and the guidance in any messages issued by other system components to diagnose and correct the original error.

See the *CICS Problem Determination Guide* for further guidance on using system dumps.

Module: DFHTCRP

ATC5

Explanation: An internal logic error has been detected during APPC mapped processing. The conversation state maintained by DFHZARL does not match the state which is jointly maintained by DFHETL and DFHZARM.

This problem could also arise when CICS is receiving application data. CICS may receive and end of chain notification before receiving all the data expected.

System Action: The task is abnormally terminated with a CICS transaction dump. CICS processing continues.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHETL

ATC6

Explanation: DFHETL has a SEND DATA request with a data length greater than 65 528 bytes which is the maximum that it can process.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: This is a CICS internal logic error. You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHETL

ATC7

Explanation: DFHZSUP has detected a bad response from an INITIAL-CALL request to DFHZARL. This response is returned to DFHZSUP in the DFHLUC parameter list.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: Examine field LUCCDRCD in the DFHLUC parameter list. This appears in the ENTRY/EXIT trace points for DFHZARL. If trace is switched off, then it can be found in DFHZSUP's LIFO entry in the transaction dump.

- LUCCDRCD = 'A0000100' - session failure
- LUCCDRCD = 'A0010100' - read timeout
- LUCCDRCD = 'A0010000' - deadlock timeout.

(The offset for LUCCDRCD can be found in *CICS Data Areas*).

If LUCCDRCD is X'00000000', the error is the result of a connection failure. In this case examine the CSMT log for further diagnostic information.

Module: DFHZSUP

ATC8

Explanation: An error has occurred during the processing of an inbound function management header (FMH). Either a length error has been detected, for example, incomplete FMH received, or an invalid field has been detected within the FMH.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: Notify the system programmer of the error. The problem is probably in the remote system that has sent the invalid FMH.

Module: DFHETL

ATC9

Explanation: A DFHKC RESUME macro call has been issued for a task without first issuing DFHKC SUSPEND. DFHKC RESUME must be preceded by DFHKC SUSPEND.

System Action: The transaction is abnormally terminated with a transaction dump.

User Response: Examine the trace entry to locate the error.

Module: DFHZNCE

ATDC

Explanation: A transaction has issued an EXEC CICS READQ, WRITEQ or DELETEQ command against a logically recoverable transient data queue. The task was enqueued because another task currently owns the enqueue. While waiting to obtain the enqueue, the task was purged.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: Investigate why the transaction was purged. It may have been purged via CEMT or automatically, by DTIMEOUT for example.

Module: DFHETD

ATDY

Explanation: Transient data initialization has failed. A console message, DFH12*xx*, gives the reason for the failure.

System Action: Transient data initialization terminates abnormally. This abend is always followed by an ATDZ abend for the failing function, and by message DFHSI1521 (if CICS abends unconditionally), or message DFHSI1522, which prompts you to reply GO or CANCEL.

User Response: See the associated console message for information regarding the cause of the failure. Then respond to message DFHSI1522, if it has been issued.

Module: DFHTDRP

ATDZ

Explanation: A CICS function invoked by transient data initialization has failed. If the failing function is a transient data routine, this abend is preceded by a console message and an ATDY abend.

System Action: Transient data initialization terminates abnormally. This abend is always followed by message DFHSI1521 (if CICS abends unconditionally), or message DFHSI1522, which asks you to reply GO or CANCEL.

User Response: Refer to the associated console message for further information regarding the cause of the failure. Then respond to message DFHSI1522, if it has been issued.

Module: DFHTDRP

ATFE

Explanation: A FREEMAIN request to the storage manager has failed while CICS was executing a CEDA CHECK or CEDA INSTALL command.

System Action: CICS abnormally terminates the task with a transaction dump.

User Response: Use the dump and any associated messages issued by the storage manager to investigate the FREEMAIN failure.

Module: DFHTOUT1

ATGE

Explanation: A GETMAIN request to the storage manager has failed while CICS was executing a CEDA CHECK or CEDA INSTALL command.

System Action: CICS abnormally terminates the task with a transaction dump.

User Response: Use the dump and any associated messages issued by the storage manager to investigate the GETMAIN failure.

Module: DFHTOUT1

ATMA

Explanation: The task was purged before a GETMAIN request to the storage manager (SM) domain was able to complete successfully. The domain that first detected the purged condition will have provided an exception trace.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: Investigate why the task was purged. It was purged either as a result of a purge from the master terminal operator via the CEMT transaction, or by the task being timed out after waiting for longer than the DTIMOUT (deadlock timeout) value specified for the transaction, or by CICS issuing a purge request.

If the master terminal operator purged the task, this may have been in an attempt to clear the system which appeared to be deadlocked for some reason.

If the task was timed out automatically as a result of the DTIMOUT value being exceeded, this may be due to insufficient main storage being available for the number of tasks in the system. If the amount of main storage cannot be increased, reduce the number of tasks in the system to avoid short-on-storage situations. Another possibility is to increase the value of the DTIMOUT option for the transaction.

When CICS purges a task, it does so to allow an operation to complete which would be held up by the presence of active tasks.

Module: DFHTMP

ATMB

Explanation: An error (INVALID, DISASTER or unexpected EXCEPTION response) has occurred on a call to the storage manager (SM) domain. The domain that detected the original error will have provided an exception trace, a console message and, possibly, a system dump (depending on the options specified in the dump table).

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: See the related message from the domain that detected the original error.

Module: DFHTMP

ATNA

Explanation: A terminal operator entered the transaction identification for NACP.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: Do not reenter the NACP transaction identification (CSNE).

Module: DFHZNAC

ATND

Explanation: The node error program (NEP) or NACP decides that a task should abnormally terminate, but the task is at a critical point of processing and immediate termination would put the integrity of the system at risk.

System Action: The task is abnormally terminated with a CICS transaction dump when the task next requests any action against the terminal, or issues a sync point request involving the terminal.

User Response: Check destination CSMT for possible further information. Use the dump to determine why the task was abnormally terminated by NEP.

Modules: DFHZARQ, DFHZARL, DFHZSUP

ATNI

Explanation: There are two forms of this abend:

VTAM form
The node error program (NEP) or NACP decides the task should be abnormally terminated. DFHZNAC informs the request module to abend the transaction after the TC unit has completed.

Non-VTAM form
The terminal error program (TEP) or terminal abnormal condition program (TACP) decides the task should be abnormally terminated. DFHTACP informs DFHZARQ to abend the transaction after the TC unit has completed.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: This usually occurs when, due to a hardware failure, a network device rejects the data stream sent to it. The device itself may indicate an error code that will give a specific reason for the rejection. Check the CSMT log for further information.

This abend can also result from an error in a connected system such as a mirror transaction abend.

Abend ATNI can occur if a user application does not correctly handle an error return code from an external resource manager, such as DB2.

For the NEP (VTAM) form, run a VTAM trace type=BUF for the logical unit and repeat the error.

For the TEP (non-VTAM) form, run a link trace for the line or local channel address for the device.

Examine the data stream and error response to determine the cause of the error.

This type of error occurs if the definitions in the TCT do not match the attributes of the actual device.

Modules: DFHZARL, DFHZARM, DFHZARQ, DFHZRAQ, DFHZSUP

ATOA

Explanation: You have attempted to invoke the CESC transaction with a terminal as principal facility. This is not allowed.

System Action: CICS terminates the CESC transaction. No dump is produced.

User Response: Ensure that the CESC transaction is not run against a terminal.

Module: DFHCESC

ATOB

Explanation: CICS has received an abnormal response from an EXEC CICS START TRANSACTION(CESC) request. This is caused by an internal error.

System Action: CICS terminates the CESC transaction with a dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHCESC

ATOC

Explanation: CICS has received an abnormal response from a request to DFHZCUT to timeout a local userid table (LUIT). This is caused by an internal error in DFHZCUT.

System Action: CICS terminates the CESC transaction with a dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHCESC

ATOD

Explanation: CICS has received an abnormal response from an EXEC CICS CANCEL TRANSACTION(CESC) request.

System Action: CICS terminates the CESC transaction with a dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHCESC

ATOE

Explanation: CICS cannot determine the time at which an XRF takeover began.

System Action: CICS terminates the CESC transaction with a dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHCESC

ATOF

Explanation: CICS has received an abnormal response from an EXEC CICS DELAY TRANSACTION(CESC) request.

System Action: CICS terminates the CESC transaction with a dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHCESC

ATOG

Explanation: CICS has received an abnormal response from an EXEC CICS START TRANSACTION(CEGN) request. This is caused by an internal error.

System Action: CICS terminates the CEGN transaction with a dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHCESC

ATOH

Explanation: An attempt has been made to invoke the CESC transaction with an invalid function code. The CESC transaction should only be invoked by CICS. Valid codes are TERM_TIMEOUT, XRF_TIMEOUT, and ENABLE_TIMEOUT.

The most likely cause of this error is an invalid attempt by a user to invoke CESC.

System Action: CICS terminates the CESC transaction with a transaction dump.

User Response: Determine how CESC was invoked. If it was invoked by CICS, you will need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHCESC

ATOT

Explanation: An error has occurred in the invocation of the CEGN transaction. CEGN has issued an EXEC CICS RETRIEVE command to retrieve the CEGN parameter list. Either the EXEC CICS RETRIEVE command has failed or it has succeeded but the retrieved data is invalid.

The most likely cause of this error is an invalid attempt by a user to invoke CEGN (for example, from a terminal or via an EXEC CICS START request).

System Action: CICS terminates the CEGN transaction with a transaction dump.

User Response: Determine how CEGN was invoked. If it was invoked by CICS, you will need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHCEGN

ATOU

Explanation: The CEGN transaction has attempted to issue an EXEC CICS RETURN but the command has failed.

System Action: CICS terminates the transaction with a dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHCEGN

ATOV

Explanation: The CEGN transaction has attempted to issue an EXEC CICS GETMAIN, ASSIGN, or SEND but the command has failed.

System Action: CICS terminates the transaction with a dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHCEGN

ATPA

Explanation: An error occurred when trying to estimate the length of a CICS message owned by the message domain.

System Action: CICS terminates the transaction with a dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHTPR.

ATPB

Explanation: An error occurred when trying to retrieve a CICS message from the message domain.

System Action: CICS terminates the transaction with a dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHTPR.

ATPC

Explanation: An error occurred when trying to estimate the length of a CICS message owned by the message domain.

System Action: CICS terminates the transaction with a dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHTPQ.

ATPD

Explanation: An error occurred when trying to retrieve a CICS message from the message domain.

System Action: CICS terminates the transaction with a dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHTPQ.

ATPE

Explanation: The task was purged before a GETMAIN request to the storage manager (SM) domain was able to complete successfully. The task that first detected the purged condition will have provided an exception trace.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: Investigate why the task was purged. It was purged either as a result of a purge from the master terminal operator via the CEMT transaction, or by the task being timed out after waiting for longer than the DTIMOUT (deadlock timeout) value specified for the transaction, or by CICS issuing a purge request.

If the master terminal operator purged the task, this may have been in an attempt to clear the system which appeared to be deadlocked for some reason.

If the task was timed out automatically as a result of the DTIMOUT value being exceeded, this may be due to insufficient main storage being available for the number of tasks in the system. If the amount of main storage cannot be increased, reduce the number of tasks in the system to avoid short-on-storage situations. Another possibility is to increase the value of the DTIMOUT option for the transaction.

When CICS purges a task, it does so to allow an operation to complete which would be held up by the presence of active tasks.

Modules: DFHTPQ, DFHTPR.

ATPF

Explanation: An error (INVALID, DISASTER, or unexpected EXCEPTION response) has occurred on a call to the storage manager (SM) domain. The domain that detected the original error will have provided an exception trace, a console message and, possibly, a system dump (depending on the options specified in the dump table).

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: See the related message produced by the domain that detected the original error.

Modules: DFHTPQ, DFHTPR.

ATRA

Explanation: The field engineering global trap exit program, DFHTRAP, requested task abnormal termination. However, the currently active task was **not** a system task (for example, task dispatcher) and it was not about to abend.

System Action: CICS disables the trap exit so that it will not be reentered, and terminates the currently active task abnormally.

User Response: This is a user-requested task abend.

If you want to use the trap again, you must reactivate it as follows:

CSFE DEBUG,TRAP=ON

You should use the global trap exit only in consultation with an IBM support representative.

Module: DFHTRP

ATSA

Explanation: The transaction CTSD was attached other than by an internal request from the TS domain.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: Investigate why the CTSD transaction was started. This transaction is intended for CICS internal use only and should not be started by a user or from a terminal.

Module: DFHTSDQ

ATSB

Explanation: The transaction CTSD was attached with invalid parameters.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHTSDQ

ATSC

Explanation: The task was canceled during execution of a temporary storage command.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: Investigate the reason the task was canceled. The task has been canceled by the master terminal operator or automatically by either the deadlock timeout (DTIMEOUT) mechanism or the read timeout (RTIMOUT) mechanism.

Modules: DFHEITS, DFHICP, DFHTSP

ATSD

Explanation: An INVALID or DISASTER response was received from a request to the Temporary Storage (TS) Domain.

System Action: The transaction is terminated with a CICS transaction dump.

User Response: There has been an earlier failure which lead to the response from TS. Investigate the earlier failure (which is accompanied by a console message and a system dump).

Modules: DFHEITS, DFHICP, DFHTSP

ATSP

Explanation: A task has attempted to issue a WRITEQ TS or a DELETEQ TS request for a recoverable TS queue that has already been deleted in the same unit of work.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: Correct the application to avoid issuing a WRITEQ TS or a DELETEQ TS to a recoverable queue in a unit of work in which the queue has already been deleted.

Modules: DFHEITS, DFHTSP

ATSQ

Explanation: A move of data to or from temporary storage has failed. The probable reason is that the size of the area being passed to CICS is inconsistent with the data length being used.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: Identify the failing temporary storage request in the application and verify whether the length supplied on the request agrees with the data area size. Correct the application as appropriate.

Note: If the error occurs in DFHTSP and not in DFHETS, there is probably an internal logic error in temporary storage. In this case you will need further assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHEITS

ATUF

Explanation: Insufficient space exists to build the parameter list for the DYNALLOC SVC.

System Action: The task is abnormally terminated and a dump is taken.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFH99KO

AUEL

Explanation: Internal logic error in CICS user exit management. This arises when an attempt to obtain or release the lock on the chain of EPB's fails unexpectedly.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Modules: DFHUEM, DFHERM.

AUEP

Explanation: The task has been abnormally terminated because a return code of UERCPURG has been sent to the User Exit Handler by a User Exit Program. The value of UERCPURG is defined by the macro DFHUEXIT TYPE=EP, ID=*xxxxxxxx*, where *xxxxxxxx* is the exit point by which the exit program is enabled. This code does not apply to exit points in domains. The exit program returns this value when it has made a request for CICS services using the exit programming Interface (XPI) and when the XPI call has had a RESPONSE code of PURGED. Exit programs must not set UERCPURG return code under any other circumstance.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: Refer to the *CICS Customization Guide* for the use of this return code.

Module: DFHUEH

AUXA

Explanation: An unexpected error occurred when one of the Transaction Affinities Utility Detector exit programs called Detector program CAUTABM. Transaction CAFB issues this abend on behalf of the exit program.

System Action: The Detector is stopped.

User Response: Refer to message DFHAU4100.

Module: CAUCAFB1

AUXB

Explanation: The Transaction Affinities Utility Detector dataspace has filled up. If the situation was detected by a Detector exit program, transaction CAFB issues this abend on its behalf.

System Action: The Detector is stopped.

User Response: message DFHAU4200.

Modules: CAUCAFF3, CAUCAFF6, CAUCAFB1

AUYA

Explanation: The Transaction Affinities Utility Detector transaction CAFB received an unrecognizable request from another Detector component (CAFF or a Detector exit program).

System Action: The Detector is stopped.

User Response: Refer to message DFHAU3302.

Module: CAUCAFB1

AUYC

Explanation: The Transaction Affinities Utility Detector transaction CAFB received a request from another Detector component (CAFF or an exit program) to abend because of an unexpected error.

System Action: The Detector is stopped.

User Response: Refer to message DFHAU3304.

Module: CAUCAFB1

AUYE

Explanation: A Transaction Affinities Utility Detector program found an invalid affinity file number in an internal array in the Detector global work area (GWA).

System Action: The Detector is stopped.

User Response: Refer to message DFHAU3310.

Modules: CAUCAFB2, CAUCAFF3

AUYF

Explanation: The Transaction Affinities Utility Detector transaction CAFB was not started by transaction CAFF.

System Action: The Detector is stopped.

User Response: Refer to message DFHAU3311.

Module: CAUCAFB1

AUYG

Explanation: The Transaction Affinities Utility Detector transaction CAFB was still running at CICS termination.

System Action: The Detector is stopped.

User Response: Refer to message DFHAU3312.

Module: CAUCAFB1

AUYH

Explanation: A Transaction Affinities Utility Detector program has found that the address held in the Detector global work area (GWA) for one of the Detector internal modules is invalid.

System Action: The Detector is stopped.

User Response: Refer to message DFHAU3313.

Modules: CAUCAFF4, CAUCAFF5, CAUCAFB1

AUYI

Explanation: An unexpected error occurred when Transaction Affinities Utility Detector transaction CAFF or CAFB called Detector program CAUTABM to access affinity table data in the dataspace.

System Action: The Detector is stopped.

User Response: Refer to message DFHAU3314.

Modules: CAUCAFB2, CAUCAFF6

AUYJ

Explanation: One of the Transaction Affinities Utility affinity data files is full.

System Action: The Detector is stopped.

User Response: Refer to message DFHAU3315.

Module: CAUCAFB2

AUZA

Explanation: An unexpected error occurred when Transaction Affinities Utility Detector transaction CAFF or CAFB issued an EXEC CICS command.

System Action: The Detector is stopped.

User Response: Refer to message DFHAU2201.

Modules: CAUCAFF1, CAUCAFF2, CAUCAFF3, CAUCAFF4, CAUCAFF5, CAUCAFF6, CAUCAFF7, CAUCAFB1, CAUCAFB2, CAUCAF41

AUZB

Explanation: An unexpected error occurred when Transaction Affinities Utility Detector transaction CAFF or CAFB issued a VSAM file control EXEC CICS command.

System Action: The Detector is stopped.

User Response: Refer to message DFHAU2202.

Modules: CAUCAFF1, CAUCAFF2, CAUCAFF3, CAUCAFF4, CAUCAFF5, CAUCAFF6, CAUCAFB1, CAUCAFB2

AUZC

Explanation: The internal field holding the Transaction Affinities Utility Detector state has an invalid value.

System Action: The Detector is stopped.

User Response: Refer to message DFHAU2203.

Modules: CAUCAFF1, CAUCAFF2

AUZD

Explanation: One of the Transaction Affinities Utility files contains a CICS APPLID that does not match the APPLID of the CICS system.

System Action: The Detector is stopped.

User Response: Refer to message DFHAU2205.

Modules: CAUCAFF1, CAUCAFF2

AUZF

Explanation: An unexpected error occurred when Transaction Affinities Utility Detector transaction CAFF or CAFB issued a Detector user exit related EXEC CICS command. The command is either ENABLE, DISABLE or EXTRACT EXIT.

System Action: The Detector is stopped.

User Response: Refer to message DFHAU2206.

Modules: CAUCAFF1, CAUCAFF2, CAUCAFF3, CAUCAFF4, CAUCAFF5, CAUCAFF6, CAUCAFB1

AUZH

Explanation: An unexpected error occurred when Transaction Affinities Utility Detector transaction CAFF called Detector program CAUTABM to create the MVS dataspace to hold the affinity data.

System Action: The Detector is stopped.

User Response: Refer to message DFHAU2210.

Module: CAUCAFF3

AUZI

Explanation: An unexpected error occurred when Transaction Affinities Utility Detector transaction CAFF called Detector program CAUTABM to create an affinity table in the dataspace.

System Action: The Detector is stopped.

User Response: Refer to message DFHAU2211.

Modules: CAUCAFF3, CAUCAFF6

AUZJ

Explanation: An unexpected error occurred when Transaction Affinities Utility Detector transaction CAFF called Detector program CAUTABM to add an element to an affinity table in the dataspace.

System Action: The Detector is stopped.

User Response: Refer to message DFHAU2212.

Module: CAUCAFF3

AUZK

Explanation: An unexpected error occurred when Transaction Affinities Utility Detector transaction CAFF was attempting to initialize the internal trace table.

System Action: The Detector is stopped.

User Response: Refer to message DFHAU2234.

Module: CAUCAFF3

AUZL

Explanation: An unexpected error occurred when Transaction Affinities Utility Detector transaction CAFF was attempting to release the internal trace table.

System Action: The Detector is stopped.

User Response: Refer to message DFHAU2235.

Module: CAUCAFF4

AUZN

Explanation: An unexpected error occurred when Transaction Affinities Utility Detector transaction CAFF called Detector program CAUTABM to destroy the dataspace.

System Action: The Detector is stopped.

User Response: Refer to message DFHAU2216.

Module: CAUCAFF4

AUZO

Explanation: An unexpected error occurred when Transaction Affinities Utility Detector transaction CAFF called Detector program CAUTABM to destroy a table in the dataspace.

System Action: The Detector is stopped.

User Response: Refer to message DFHAU2217.

Module: CAUCAFF6

AUZQ

Explanation: An unexpected error occurred when Transaction Affinities Utility Detector transaction CAFF called Detector program CAUCAFP to create its MVS CPOOL storage.

System Action: The Detector is stopped.

User Response: Refer to message DFHAU2220.

Module: CAUCAFF3

AUZR

Explanation: An unexpected error occurred when Transaction Affinities Utility Detector transaction CAFF or CAFB called Detector program CAUCAFP to access its MVS CPOOL storage.

System Action: The Detector is stopped.

User Response: Refer to message DFHAU2221.

Modules: CAUCAFF4, CAUCAFF5, CAUCAFB1

AUZS

Explanation: An unexpected error occurred when Transaction Affinities Utility Detector transaction CAFF called Detector program CAUCAFP to destroy its MVS CPOOL storage.

System Action: The Detector is stopped.

User Response: Refer to message DFHAU2222.

Module: CAUCAFF4

AUZU

Explanation: An unexpected error occurred when Transaction Affinities Utility Detector transaction CAFF calculated what percentage of the dataspace is occupied by affinity data.

System Action: The Detector is stopped.

User Response: Refer to message DFHAU2224.

Module: CAUCAFF1

AUZV

Explanation: The method of initiating Transaction Affinities Utility Detector transaction CAFF is incorrect.

System Action: The Detector is stopped.

User Response: Refer to message DFHAU2225.

Module: CAUCAFF1

AUZY

Explanation: An unexpected error occurred when Transaction Affinities Utility Detector transaction CAFF or CAFB called Detector program CAUTABM to replace a table element in the dataspace.

System Action: The Detector is stopped.

User Response: Refer to message DFHAU2228.

Modules: CAUCAFF3, CAUCAFB2

AUZZ

Explanation: An unexpected error occurred when Transaction Affinities Utility Detector transaction CAFF called a Detector subroutine to update the termid table (TT) or userid table (UT).

System Action: The Detector is stopped.

User Response: Refer to message DFHAU2229.

Modules: CAUCAFF3, CAUCAFF6

AUZ1

Explanation: When the Transaction Affinities Utility Detector was being started by transaction CAFF, the header record could not be found on one of the VSAM affinity data files.

System Action: The Detector is stopped.

User Response: Refer to message DFHAU2230.

Module: CAUCAFF3

AWBA

Explanation: CICS Web Receive process has received an exception response from the Web Send Receive function, DFHWBSR, which could be one of the following errors:

- An error in the Analyzer program
- No Analyzer program specified
- Unable to link to Analyzer program
- An Analyzer data length error
- An Analyzer header length error
- A codepage conversion error
- A storage error occurred
- An error that the connection has been closed
- A sockets receive error

System Action: An error message is sent to the client and the CWBO transient data queue.

User Response: Refer to any error messages accompanying this abend to determine why the abend has occurred.

Module: DFHWBXN

AWBB

Explanation: The incoming parameter list to the CICS Web Business Logic Interface program is not in the expected format. At present, the structure is assumed to be fixed and only a single version level is recognized.

System Action: The CICS Web Business Logic Interface program is not executed.

User Response: Ensure that the program receives a parameter list in the correct format.

Module: DFHWBBLI

AWBC

Explanation: No commarea was passed to a CICS Web Interface utility program. One of the utility programs supplied with the CICS Web Interface was executed, but the commarea that was passed was absent or was too short to contain valid information.

System Action: The CICS Web Interface utility is not executed.

User Response: Ensure that the program passes a commarea that is long enough to contain the expected parameters for the utility you are invoking.

Modules: DFHWBENV, DFHWBTL

AWBE

Explanation: The CICS Web Interface detected that a Converter program attempted to change the address of the response buffer when it was not allowed to do so.

System Action: The data in the new response buffer is not returned to the Web browser. A CICS transaction dump is taken.

User Response: The Converter program is only allowed to replace the response buffer if the `converter_volatile` flag in the Converter parameter list is set to '1'. Check that your Converter program is not trying to return a new response buffer when this flag is set to '0'.

Module: DFHWBBLI

AWBF

Explanation: The CICS Web Interface alias detected an error in its initialization. The alias was not started by EXEC CICS START, or there was an error in the EXEC CICS RETRIEVE command for the start data.

System Action: If there is an error in EXEC CICS RETRIEVE, message DFHWB0103 is written to the CWBO destination. A CICS transaction dump is taken.

User Response: If the alias was not started by EXEC CICS START, check if it is being started from a terminal. This is not allowed. Otherwise, see the associated message for guidance.

Module: DFHWBA

AWBH

Explanation: The CICS Web Interface alias detected a logic error.

System Action: An exception trace entry 454F is written. Message DFHWB0106 is written to the CWBO destination. A CICS transaction dump is taken.

User Response: Use related diagnostics to determine the user response.

Module: DFHWBA

AWBI

Explanation: The CICS Web Interface alias received an unexpected response from EXEC CICS ASSIGN STARTCODE

System Action: An exception trace entry 4544 is written. Message DFHWB0102 is written to the CWBO destination.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHWBA

AWBJ

Explanation: The CICS Web Interface alias received an unexpected response when it switched to the RP TCB.

System Action: An exception trace entry 454E is written. Message DFHWB0105 is written to the CWBO destination. A transaction dump is taken.

User Response: See the associated message for guidance.

Module: DFHWBA

AWBK

Explanation: The CICS Web Interface alias detected an abend in the converter or the CICS program servicing the request.

System Action: An exception trace entry 4550 is written. Message DFHWB0108 is written to the CWBO destination.

User Response: Use related diagnostics to determine the user response.

Module: DFHWBA

AWBL

Explanation: The CICS Web Interface alias detected an error in an EXEC CICS LINK command for program DFHWBBLI.

System Action: An exception trace entry 4543 is written. Message DFHWB0100 is written to the CWBO destination. A transaction dump is taken.

User Response: See the associated message for guidance.

Module: DFHWBA

AWBM

Explanation: The CICS Web Interface alias detected error response from the Business Logic Interface program DFHWBBLI.

System Action: Message DFHWB0101 is written to the CWBO destination. A transaction dump is taken.

User Response: See the associated message for guidance.

Module: DFHWBA

AWBQ

Explanation: The CICS Web Business Logic Interface program detected an error in its parameter list.

System Action: If the abend was issued from the Business Logic Interface program, DFHWBBLI, an exception trace entry '4581' is made and message DFHWB0119 is written to the CWBO transient data destination. If the abend was issued from the Web Interface program, DFHWBA1, an exception trace entry '4560' is written and message DFHWB0124 is sent to the CWBO destination. A transaction dump is taken.

User Response: See the associated message for guidance.

Modules: DFHWBA1, DFHWBBLI

AWBR

Explanation: The CICS Web Business Logic Interface program detected a logic error.

System Action: If the abend was issued from the Business Logic Interface program, DFHWBBLI, an exception trace entry '4583' is made and message DFHWB0118 is written to the CWBO transient data destination. If the abend was issued from the Web Interface program, DFHWBA1, an exception trace entry '4558' is written and message DFHWB0123 is sent to the CWBO destination.

User Response: Use related diagnostics to determine the user response.

Modules: DFHWBA1, DFHWBBLI

AWBU

Explanation: The CICS Web Interface connection manager could not get storage to send a message to the terminal.

System Action: Processing continues.

User Response: Use related diagnostics to determine the user response.

Module: DFHWBC01

AWBV

Explanation: The CICS Web Interface connection manager detected an error response on EXEC CICS DEQ.

System Action: An exception trace entry 4345 is written. Message DFHWB1651 is written to the CWBO destination.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHWBC04

AWBX

Explanation: The CICS Web Interface connection manager was started against an invalid terminal type.

System Action: An exception trace entry 4308 is written. Message DFHWB1522 is written to the CWBO destination.

User Response: See the associated message for guidance.

Module: DFHWBC01

AWBZ

Explanation: The CICS Web Interface connection manager detected a NOTAUTH response to EXEC CICS EXTRACT EXIT.

System Action: Message DFHWB1902 is written to the CWBO destination.

User Response: See the associated message for guidance.

Module: DFHWBC0B

AWB2

Explanation: The CICS Web Interface has encountered an error while performing a transaction attach call for the alias task.

System Action: Message DFHWB0727 describing the error is written to the CWBO transient data destination and a trace entry is made.

User Response: See the associated message for guidance.

Module: DFHWBXN

AWB3

Explanation: CICS Web transaction, CWXN, has been illegally started either with data, or by a user at a terminal, with the wrong start code.

System Action: The CICS Web Interface is not started.

User Response: CICS Web Transaction Execution should only ever be started by Sockets Domain using DFHXMAT ATTACH, not by a user at a terminal or with data.

Module: DFHWBXN

AWB4

Explanation: The CICS Web Transaction Execution has received a bad response from an INQUIRE_TRANSACTION call to determine the start code for the CWXN transaction.

System Action: The CICS Web Interface is not started.

User Response: CICS Web Transaction Execution should only ever be started by Sockets Domain using DFHXMAT ATTACH, not by a user at a terminal or with data.

Module: DFHWBXN

AWB5

Explanation: The CICS Web Interface Server Controller could not continue with enable processing because the requested port is not available.

System Action: An exception trace entry 4106 is written, and message DFHWB0131 is issued.

User Response: Terminate the TCP/IP application which is using the requested port, and use CBWB to enable the feature again, or use CWBC to enable the CICS web Interface using a different port number.

Module: DFHWBM

AWB7

Explanation: The CICS Web Interface environment variables program was invoked, but the invoking transaction does not appear to be executing in a valid Web environment.

System Action: The program writes an exception trace point 4623.

User Response: Determine how the environment variables program was invoked. It is only meaningful to execute the program from a transaction that has been initiated from the Web, either through the CICS Web Interface or through the Business Logic Interface.

Module: DFHWBENV

AWB8

Explanation: The CICS Web Interface environment garbage collection task CWBG has been started directly from a terminal. This is not permitted.

System Action: The transaction is abnormally terminated with a transaction dump.

User Response: None.

Module: DFHWBGB

AWB9

Explanation: The CICS Web Interface connection manager failed due to lack of storage.

System Action: A transaction dump is taken.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHWBC01

AWC1

Explanation: The CICS Web Interface 3270 bridge exit DFHWBLT could not establish a partnership with the Web terminal translation task which started the abended transction.

System Action: An exception trace entry 4106 is written, and message DFHWB0131 is issued.

User Response: Use related diagnostics to determine the user response.

Module: DFHWBLT

AWC2

Explanation: The CICS Web Interface 3270 bridge exit DFHWBLT was passed an invalid state token by attach processing.

System Action: An exception trace entry 410C is written, and message DFHWB0130 is issued.

User Response: Use related diagnostics to determine the user response. On a busy CICS region, the most likely cause is that the bridged transaction started after the state data had been discarded by Web 3270 garbage collection process.

Module: DFHWBLT

AWC3

Explanation: An application using the CICS Web 3270 function issued an unsupported combination of BMS and Terminal Control commands.

System Action: An exception trace entry is written.

User Response: Use related diagnostics to determine the user response.

Module: DFHWBLT

AWC4

Explanation: The CICS Web Interface 3270 bridge exit DFHWBLT has been reinvoked after returning an earlier error.

System Action: An exception trace entry is written.

User Response: Use related diagnostics to determine the user response.

Module: DFHWBLT

AWC5

Explanation: The CICS Web Interface 3270 bridge exit DFHWBLT abended during attach processing because it could not getmain a brxa user area.

System Action: Message DFHWB0132 is issued, and an exception trace entry 410D is written.

User Response: Use related diagnostics to determine the user response. The most likely cause of this abend is that CICS is having storage problems.

Module: DFHWBLT

AWC6

Explanation: The CICS Web Interface 3270 bridge exit DFHWBLT has detected an inconsistency in its request parameters or state data.

System Action: Message DFHWB0133 is issued, and an exception trace entry is written.

User Response: Use related diagnostics to determine the user response. The most likely cause of this abend is a storage overwrite.

Module: DFHWBLT

AWKY

Explanation: A request to PURGE or WRITE a record using the global catalog during warm keypointing has failed.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: Check for problems with the global or local catalog. See any DFHCC*nnnn* messages issued by the CICS catalog domain for further guidance.

Module: DFHWKP

AXFA

Explanation: The key length for a file control request that is to be sent to a remote system has to be obtained from the file control table, and has proved to be zero.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: Ensure that the key length has been defined either in the remote file definition that is being used, or as a length option from the application program that is using it.

Module: DFHXFP

AXFB

Explanation: An unacceptable function management header (FMH) type has been found. It must be type 05, type 06, or type 43.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHXFP

AXFC

Explanation: The request passed to the data transformation program is unknown to CICS. This abend can also occur in an MRO/IRC system as a result of an invalid EXEC CICS START request issued from the user's node error program (DFHZNEP).

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: See the *CICS Customization Guide* for restrictions on the use of EXEC CICS commands from within an NEP. If this is not the cause of the abend, you will need further assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHXFP

AXFD

Explanation: The request that is passed to the data transformation program cannot be sent to a remote system; for example, a storage control request.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHXFP

AXFE

Explanation: The transformation requested does not exist; for example, a DL/I schedule reply is not recognized by the outbound request processor in the data transformation program.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHXFP

AXFF

Explanation: An unacceptable queue organization has been found in a queue model function management header (FMH).

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHXFP

AXFG

Explanation: An unacceptable argument number has been found in the data following a function management header (FMH) of type 43.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHXFP

AXFH

Explanation: The argument number in the data following a function management header (FMH) of type 43 is acceptable, however, the argument itself is not expected.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHXFP

AXFI

Explanation: The data length for a WRITEQ TD or READQ TD, which is determined from the destination control table, is zero. The abend can also occur when determining the length for file control requests from the file control table.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: Notify the system programmer.

Module: DFHXFP

AXFJ

Explanation: The error code held in UIBFCTR and UIBDLTR cannot be converted to an equivalent SNA error code.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHXFP

AXFL

Explanation: Transformers 2 and 4 expect to receive a function management header (FMH), possibly followed by user data. A null chain of data has been received.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHXFP

AXFM

Explanation: The ISCINVREQ condition has been raised. This can happen when the resource proves to be on yet another remote system, that is, when daisy-chaining is active.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: Check that daisy-chaining of requests is intended and that all relevant intersystem links are in service.

Module: DFHXFP

AXFO

Explanation: The check on the DS and DBA parameters in an attach function management header (FMH) has failed. This abend represents a user error resulting from a mismatch in the system definitions for both ends of an intersystem link.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: Notify the system programmer.

Module: DFHXFP

AXFP

Explanation: CICS requires a second function management header (FMH) to follow an attach FMH. No second FMH was received.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: Notify the system programmer.

Module: DFHXFP

AXFQ

Explanation: Either the function management header (FMH) just received is too short or too long to be a valid FMH, or an expected FMH is not present.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: Check that the transaction profile parameter, INBFMH, is set to ALL. If communicating across a distributed program link, ensure that the requested function is supported on the partner system.

Module: DFHXFP

AXFR

Explanation: The CICS command level interface imposes a maximum length of 32 767 for data. The length of the data just received exceeds this limit.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: Notify the system programmer.

Module: DFHXFP

AXFS

Explanation: A PSB has been scheduled successfully. However, the maximum possible length of an I/O area exceeded 65 535. This abend is likely to occur if path calls are used to retrieve large segments, and/or if FLS causes excessive expansion of segments.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: Notify the system programmer.

Module: DFHXFP

AXFT

Explanation: An estimate of the size of the output I/O area has been made, and it exceeds the maximum possible size of 65 535.

Note: While the estimated size may exceed the actual size, the difference will only be a few bytes.

This abend is likely to occur if a database calls, inserts, or replaces multiple segments, and many qualified segment search arguments are specified.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: Notify the system programmer.

Module: DFHXFP

AXFU

Explanation: A two-level cursor is present in a function management header (FMH) relating to a linear (temporary storage) queue. However, these cursors are valid only for hierarchical queues that are not supported by CICS.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHXFP

AXFW

Explanation: An invalid length specification has been given in a CICS command-level request corresponding to one of the data variables.

The CICS-architected FMH is followed by zero or more self-describing data variables for each parameter specified.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: Check for an invalid or zero length specified in a CICS command-level request, or for data truncation in a user-written node error program (NEP).

Module: DFHXFP

AXFX

Explanation: A function shipping request by an APPC link failed because

- the remote system does not support full syncpoint protocols, or
- the exchange log name sequence could have failed, resulting in a mismatch, or
- the request has not completed within the allocated time (10 seconds).

System Action: CICS terminates the task abnormally.

User Response: Check that the request was directed to the correct remote system, and that the remote system is set up to support full syncpoint protocols (synclevel 2).

Module: DFHXFP

AXFY

Explanation: An APPC conversation failure has occurred when an attach between CICS systems was issued.

System Action: The task is abnormally terminated with a transaction dump.

User Response: Check the connection to the remote CICS system and try to reestablish it.

Module: DFHXFP

AXF0

Explanation: A task has been purged due to lack of storage in a dynamic storage area (DSA).

System Action: The task is abnormally terminated with a transaction dump.

User Response: Try the transaction again later.

If the short-on-storage condition persists, consider increasing the size limit of the CICS DSAs. You can vary the DSAs dynamically using the DSALIM and EDSALIM parameters on the CEMT master terminal command.

Module: DFHXFP

AXF1

Explanation: The storage manager module, DFHSMGF, has returned a condition not expected by DFHXFP.

System Action: The task is abnormally terminated with a transaction dump.

User Response: Look for any related CICS messages and abends to determine if there has been a prior failure in CICS storage.

Module: DFHXFP

AXF2

Explanation: A task has been purged due to lack of storage in the DSA.

System Action: The task is abnormally terminated with a transaction dump.

User Response: Try the transaction again later.

If the short-on-storage condition persists, increase the size of the dynamic storage area using the DFHSIT DSA parameter.

Module: DFHXFP

AXF3

Explanation: The storage manager module DFHSMMC has returned a condition not expected by DFHXFP.

System Action: The task is abnormally terminated with a transaction dump.

User Response: Look for any related CICS messages and abends to determine if there has been a prior failure in CICS storage.

Module: DFHXFP

AXF4

Explanation: The task was purged before a GET_BUFFER request to the EXEC interface service routines module (DFHEISR), was able to complete successfully. The domain that first detected the purged condition provides an exception trace.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: Investigate why the task was purged. It was purged either as a result of a purge from the master terminal operator via the CEMT transaction, or by the task being timed out after waiting for longer than the DTIMOUT (deadlock timeout) value specified for the transaction.

If the master terminal operator purged the task, this may have been in an attempt to clear the system which appeared to be deadlocked for some reason.

If the task was timed out automatically as a result of the DTIMOUT value being exceeded, this may be due to insufficient main storage being available for the number of tasks in the system. If the amount of main storage cannot be increased, reduce the number of tasks in the system to avoid short-on-storage situations. Another possibility is to increase the value of the DTIMOUT option for the transaction.

Module: DFHXFX

AXF5

Explanation: An error (INVALID, DISASTER, or unexpected EXCEPTION response) has occurred on a call to the EXEC interface service routines module(DFHEISR). The domain that detected the original error provides an exception trace, a console message, and possibly, a system dump (depending on the options specified the dump table).

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: See the related message from the domain that detected the original error.

Module: DFHXFX

AXF8

Explanation: A keyword such as TOKEN, CONSISTENT, REPEATABLE, UNCOMMITTED, or NOSUSPEND has been specified on a file control command for shipping to a system which does not support these functions.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: Ensure that CICS in the file-owning region is at the correct level.

Module: DFHXFX

AXMA

Explanation: An error has occurred obtaining a lock within the transaction manager domain.

System Action: The recovery routine of the module in control is invoked which issues message DFHXM0002 with a system dump. DFHXM0002 reports the module in control at the time of the error.

User Response: See the description of message DFHXM0002 for further guidance.

Modules: DFHXMAT, DFHXMBD, DFHXMCL, DFHXMDD, DFHXMFD, DFHXMLD, DFHXMQD, DFHXMST, DFHXMTA, DFHXMXD, DFHXMXE

AXMB

Explanation: An error has occurred releasing a lock within the transaction manager domain.

System Action: The recovery routine of the module in control is invoked. This routine issues message DFHXM0002 with a system dump. DFHXM0002 reports the module in control at the time of the error.

User Response: See the description of message DFHXM0002 for further guidance.

Modules: DFHXMAT, DFHXMBD, DFHXMCL, DFHXMDD, DFHXMFD, DFHXMLD, DFHXMQD, DFHXMST, DFHXMTA, DFHXMXD, DFHXMXE

AXMC

Explanation: An severe error has occurred allocating a unique transaction number to a new transaction.

System Action: The recovery routine of the module in control is invoked. This routine issues message DFHXM0002 with a system dump. DFHXM0002 reports the module in control at the time of the error.

User Response: See the description of message DFHXM0002 for further guidance.

Modules: DFHXMAT, DFHXMXE

AXMD

Explanation: An attempt has been made to run the CICS internal task CSXM as a user transaction.

System Action: CICS terminates the task with a transaction dump.

User Response: Investigate why the attempt was made to run CSXM as a user transaction.

Module: DFHXMAB

AXMY

Explanation: During transaction attach an unexpected error occurred obtaining transaction class membership.

System Action: The transaction is no longer considered for class membership. It is then abnormally terminated with a CICS transaction dump.

User Response: Use the dump to determine why the transaction failed to obtain membership of its transaction class.

Module: DFHXMAT

AXMZ

Explanation: A serious failure in another component has been detected by the transaction manager domain.

System Action: The task in control is abnormally terminated with a transaction dump. Further diagnostics should have been taken by the failing component.

User Response: Look for earlier messages identifying the source of the problem. Refer to the descriptions of these messages for further guidance.

Module: DFHXMTA

AXSA

Explanation: The CICS security control task could not complete because a necessary step failed. The task has done some essential recovery operations and abnormally terminated itself with code AXSA.

System Action: CICS writes a transaction dump for the security control restart task.

CICS sends messages to the console, one to identify the error detected by the security control task, and, if the error occurred during initialization, one to say that security initialization or CEMT PERFORM SECURITY REBUILD has failed. A third message follows either to say that CICS has terminated abnormally with a dump, or to ask you to reply GO or CANCEL. Depending on the nature of the original error, you may see messages from some other system component (for example, an access method).

User Response: First, if CICS has requested a response, you must reply. If you reply 'GO', CICS continues processing, but without support for the external security manager. CICS security still operates. If you reply 'CANCEL', CICS terminates abnormally with a dump.

Use the messages and dumps to find out the cause of the failure.

Module: DFHXSMN

AXSC

Explanation: The task was purged before a GETMAIN request to the storage manager (SM) domain was able to complete successfully. The task that first detected the purged condition will have provided an exception trace.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: Investigate why the task was purged. It was purged either as a result of a purge from the master terminal operator via the CEMT transaction, or by the task being timed out after waiting for longer than the DTIMOUT (deadlock timeout) value specified for the transaction.

If the master terminal operator purged the task, this may have been in an attempt to clear the system which appeared to be deadlocked for some reason.

If the task was timed out automatically as a result of the DTIMOUT value being exceeded, this may be due to insufficient main storage being available for the number of tasks in the system. If the amount of main storage cannot be increased, reduce the number of tasks in the system to avoid short-on-storage situations. Another possibility is to increase the value of the DTIMOUT option for the transaction.

Module: DFHXSMN

AXSD

Explanation: An error (INVALID, DISASTER, or unexpected EXCEPTION response) has occurred on a call to the storage manager (SM) domain. The domain that detected the original error provides an exception trace, a console message and, possibly, a system dump (depending on the options specified in the dump table).

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: See the related message produced by the domain that detected the original error.

Module: DFHTCRP

AXTA

Explanation: The calculation of the length of data to be shipped has failed.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHXTP

AXTB

Explanation: An attempt to obtain a TIOA to ship data has failed.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHXTP

AXTC

Explanation: An attempt to transform data ready for shipment has failed.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHXTP

AXTD

Explanation: No TIOA received message was received from a remote system.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHXTP

AXTE

Explanation: Incorrect data was received from a remote system. The data was not long enough.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHXTP

AXTF

Explanation: No relay process function management header (FMH) was received from the remote system.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHXTP

AXTG

Explanation: Transformation of data received from remote system failed.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: Check that the reason for failure of the transformation process was not incorrect definition of the remote terminal. In particular check that the user area length specified for the terminal is the same in both local and remote systems. If the terminal definitions are correct, you need further assistance to resolve this problem. You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHXTP

AXTH

Explanation: An attempt to locate terminal identifier failed.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHXTP

AXTI

Explanation: The major request byte LUCOPN0 of the DFHLUC parameter list specified to the transaction-routing transformer is invalid, or corresponds to a request that is not shipped to a remote system. The parameter list will be found in the dynamic storage of XTP's caller and may be located using the output from auxiliary trace.

System Action: The task is abnormally terminated with a transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHXTP

AXTJ

Explanation: An unexpected combination of bit settings in the fields XTSSTAT and XTSTCOPC in the parameter list of the transaction-routing transformer was made.

System Action: The task is abnormally terminated with a transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHXTP

AXTK

Explanation: An APPC conversation failure occurred when an attach between CICS systems was issued.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: Check the connection to the remote CICS system and try to reestablish it.

Module: DFHXTP

AXTL

Explanation: The processing of APPC mapped data requires the generation of an APPC attach FMH with default values. In particular, the sync level requested is defaulted to 2. However, the session that is to be used has been bound with a sync level of 1.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: Check that:

- The entry in the TCT for the remote system has been defined with parallel sessions
- The remote system is capable of supporting a sync level of 2.
- Exchange lognames has completed for the connection. You can use the command CEMT INQUIRE CONNECTION to do this. See the *CICS Intercommunication Guide* for more details of the exchange lognames process.
- The correct sync level has been requested.

Module: DFHXTP

AXTM

Explanation: An attempt has been made to route a message-protected transaction over an APPC link bound at sync level 1. The attempt has failed because such transactions can be routed only over an APPC link that has been bound at sync level 2.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: If the transaction is to be routed to CICS OS/2 (which is bound at synclevel 1), remove the message protection option. If the transaction is to be routed to another host system and message protection is required, the link must be redefined so that it can be bound at synclevel 2.

Module: DFHXTP

AXTN

Explanation: Module DFHXTP detected that the application buffer chained off a TCTTE at offset TCTERCSA has a corrupted header. This is caused either by a CICS logic error or by a storage overwrite.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: This is a CICS internal logic error. You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHETL

AXTO

Explanation: An exception response has been returned to the DFHXTP module from the CICS security manager. Prior to the call to the CICS security manager, the DFHXTP module detected that a shipped terminal definition had preset security. DFHXTP then invoked the CICS security manager in order to perform a preset security signon for the userid sent with the shipped terminal information. It is this preset security signon attempt which failed.

System Action: The transaction routing request is terminated and a message is sent to the terminal owning region (TOR) to indicate that the transaction routing request has failed. The CICS security manager issues a DFHSNxxxx message to the transient data queue, CSCS.

User Response: The most likely cause of this abend is that the terminal being shipped to the application owning region (AOR) has preset security with a userid which is not valid in the AOR. To confirm this, check the associated DFHSNxxxx message on the CSCS transient data queue in the AOR which gives the precise reason for the failure of the preset security signon request. This could be the result of an unauthorized transaction routing request.

Module: DFHXTP

AXTP

Explanation: An exception response has been returned to the DFHXTP module from DFHCCNV FUNCTION(CONVERT_DS3270_FOR_SBCS). The module was called for a CICS client virtual terminal which requested conversion from ASCII to EBCDIC for data coming from the client. However, the conversion failed.

System Action: The transaction routing request is terminated and a message is sent to the terminal owning region (TOR) to indicate that the transaction routing request has failed. The CICS security

manager issues a DFHSN*nnnn* message to the transient data queue, CSCS.

User Response: Examine the response and reason returned in the DFHCCNV commarea DFHC32. The client and server codepages will have already been validated so this may be a CICS error. You may need to contact IBM for further assistance. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHXTP

AXTQ

Explanation: An exception response has been returned to the DFHXTP module from DFHCCNV FUNCTION(CONVERT_DS3270_FOR_SBCS). The module was called for a CICS client virtual terminal which requested conversion from EBCDIC to ASCII for data to be sent to the client. However the conversion failed.

System Action: The transaction routing request is terminated and a message is sent to the terminal owning region (TOR) to indicate that the transaction routing request has failed. The CICS security manager issues a DFHSN*nnnn* message to the transient data queue, CSCS.

User Response: Examine the response and reason returned in the DFHCCNV commarea DFHC32. The client and server codepages will have already been validated so this may be a CICS error. You may need to contact IBM for further assistance. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHXTP

AXTR

Explanation: An exception response has been returned to the DFHXTP module from DFHPGLE FUNCTION(LOAD_EXEC) whilst trying to load EXEC program DFHCCNV.

System Action: The transaction routing request is terminated and a message is sent to the terminal owning region (TOR) to indicate that the transaction routing request has failed. The CICS security manager issues a DFHSN*nnnn* message to the transient data queue, CSCS.

User Response: Examine the response and reason returned from DFHPGLE to determine why CICS was unable to call DFHCCNV.

Module: DFHXTP

AZAB

Explanation: DFHZARM has a SEND DATA request with a data length greater than 65 528 bytes which is the maximum that it can process.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: This is a CICS internal logic error. You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHZARM

AZAD

Explanation: DFHZCN1 has been started from an unexpected system. The CCIN transaction can only be issued by a client.

System Action: The transaction is abnormally terminated. Exception trace point AP3008 is written. Data1 holds the XMIQ start type.

User Response: Issue the CCIN transaction only from a client.

Module: DFHZCN1

AZAE

Explanation: DFHZCN1 was started from a terminal facility, but not an LU6.2 session. The CCIN transaction may only be issued by a client.

System Action: The transaction is abnormally terminated.

User Response: Issue the CCIN transaction only from a client.

Module: DFHZCN1

AZAF

Explanation: DFHZCN1 was started for transaction CCIN. However either the environment is wrong or the client architecture has been violated. This abend is always issued in conjuction with a DFHZC32nn message which explains the problem in more detail.

System Action: Exception trace point AP30xx is written. The transaction is abnormally terminated.

User Response: Look for a DFHZC32nn message on the console or CSNE and look for exception trace points AP30xx. Use these to diagnose the problem.

Module: DFHZCN1

AZAG

Explanation: DFHZCT1 has been started from an unexpected system. The CTIN transaction can only be issued by a client.

System Action: The transaction is abnormally terminated with a CICS transaction dump. Exception trace point AP302A is written. Data1 holds the XMIQ start type.

User Response: Issue the CTIN transaction only from a client.

Module: DFHZCT1

AZAH

Explanation: DFHZCT1 was started from a terminal facility, but not an LU62 session. The CTIN transaction can only be issued by a client.

System Action: The transaction is abnormally terminated with a CICS transaction dump. Exception trace point AP3032 is written. Data1 holds the principal facility address.

User Response: Issue the CTIN transaction only from a client.

Module: DFHZCT1

AZAI

Explanation: DFHZCT1 was started for transaction CTIN. However either the environment is wrong or the client architecture has been violated. This abend is always issued in conjuction with a DFHZC32nn message which explains the problem in more detail.

System Action: Exception trace point AP30xx is written. The transaction is abnormally terminated.

User Response: Look for a DFHZC32nn message on the console

or CSNE and look for exception trace points AP30xx. Use these to diagnose the problem.

Module: DFHZCT1

AZAJ

Explanation: DFHZCN1 was started for transaction CCIN. However, the CCIN transaction is being started on a surrogate, which means that it has been defined as a remote transaction. CCIN must be a local transaction and be run on a CICS region which is directly connected to a client.

System Action: Exception trace point AP3041 is written. The transaction is abnormally terminated.

User Response: Either use the default definitions for CCIN or ensure that it is defined as a local transaction.

Module: DFHZCN1

AZAK

Explanation: DFHZCT1 was started for transaction CTIN. However, the CTIN transaction is being started on a surrogate, which means that it has been defined as a remote transaction. CTIN must be a local transaction and be run on a CICS region which is directly connected to a client.

System Action: Exception trace point AP3039 is written. The transaction is abnormally terminated.

User Response: Either use the default definitions for CTIN or ensure that it is defined as a local transaction.

Module: DFHZCT1

AZCA

Explanation: An internal logic error has been detected during APPC mapped processing. The conversation state maintained by DFHZARL does not match that maintained jointly by DFHETL and DFHZARM.

The problem may also arise when CICS is assembling application data and receives end of chain before receiving all of the data that is expected.

System Action: The task is abnormally terminated with a CICS transaction dump. CICS processing continues.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHZARM

AZCB

Explanation: CICS has received sense code X'088901*xx*' during APPC mapped processing. This should be followed by an error data GDS (generalized data stream) variable.

CICS has attempted to receive the error data. However this attempt has failed because no data has been received or because the data received is not for an CICS ISSUE ERROR of the correct length.

CICS expects the error data to indicate that the other system does not recognize GDS ID X'12F2' (function management data).

System Action: The task is abnormally terminated with a CICS transaction dump.

The erroneous GDS ID is returned to the remote system for further analysis there.

User Response: Check for session failure and for abend by the transaction in the other system.

You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHZARM

AZCC

Explanation: The failing transaction has sent function management data to a transaction running in a system that does not provide support for application function management data.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: Check that the remote system can support application function management data.

Module: DFHZARM

AZCD

Explanation: A possible intersystem logic error has been detected during APPC mapped processing. The length of application data that is to be received (as determined from the LL fields and concatenation flags) does not match the length actually received. CICS determines the length of application data that is to be received from the LL fields and concatenation flags. However, CICS has not received all of the data that is expected.

This abend can be caused by a loss of data following the failure of a persistent sessions restart in a partner system. In this case, no logic error has occurred because any updates are backed out.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: If this abend is not caused by the failure of a persistent sessions restart in a partner system, you will need further assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Modules: DFHETL, DFHZARM

AZCE

Explanation: An intersystem error has been detected during APPC mapped processing. The length of application data that is to be received (as determined from the LL fields and concatenation flags) exceeds the CICS implementation limit of 32 767, for receive and converse commands, or 65 000 for CICS transaction routing or function shipping requests.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: Reduce the amount of data that the transaction in the remote system is transmitting to CICS.

Modules: DFHETL, DFHZARM

AZCF

Explanation: An internal logic error has been detected during APPC mapped processing. An invalid request has been passed to DFHZARL.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHZARM

AZCG

Explanation: An internal logic error has been detected during APPC mapped processing. DFHZARM expects the TCTTE passed to have been defined as APPC, TCTEILUC (TCTELUC) set on, and TCTECVT set to TCTEMAPD (to indicate a mapped conversation).

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHZARM

AZCH

Explanation: Sense code X'0889*xxxx*' has been received unexpectedly during the processing of APPC mapped data.

This represents a violation of the APPC architecture by the remote system.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Modules: DFHETL, DFHZARM

AZCI

Explanation: The processing of APPC mapped data requires generation of an APPC attach function management header (FMH) with default values. In particular, the sync level requested is defaulted to 2. However, the session that is to be used has been bound with a sync level of 1.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: Check that:

- The entry in the TCT for the remote system has been defined with parallel sessions.
- The remote system is capable of supporting a sync level of 2.
- Exchange lognames has completed for the connection. You can use the CEMT INQUIRE CONNECTION to do this. See the *CICS Intercommunication Guide* for details of the exchange lognames process.

Modules: DFHETL, DFHZARM, DFHZARQ

AZCJ

Explanation: An APPC structured field with GDS ID X'12F1' (null data) has been sent to a remote system that does not support the receipt of these fields. The remote system has responded negatively and has terminated the conversation.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: The problem is in the remote system. You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHZARM

AZCK

Explanation: An internal logic error has been detected during error recovery for APPC mapped processing. The conversation was being switched to RECEIVE state by an internal CICS SEND INVITE, but the conversation had already been FREEd by the partner.

System Action: The task is abnormally terminated with a CICS transaction dump. CICS processing continues.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHZARM

AZCL

Explanation: CICS has received sense code X'088901xx' during APPC mapped processing. The generalized data stream (GDS) should contain a valid GDS identity in the error data but CICS does not recognize the value. The values recognized by CICS are:

```
X'12F1'    null data
X'12F2'    function management data
X'12FF'    application data.
```

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: Check for session failure and for an abend by the transaction in the other system.

Module: DFHZARM

AZCM

Explanation: An error (INVALID, DISASTER, or unexpected EXCEPTION response) has occurred on a call to the storage manager (SM) domain. The domain that detected the original error provides an exception trace, a console message and, possibly, a system dump (depending on the options specified in the dump table).

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: See the related message produced by the domain that detected the original error.

Module: DFHZARM

AZCN

Explanation: The task has been purged before a GETMAIN request to the storage manager (SM) domain was able to complete successfully. The task that first detected the purged condition provides an exception trace.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: Investigate why the task was purged. It was purged either as a result of a purge from the master terminal operator via the CEMT transaction, or by the task being timed out after waiting for longer than the DTIMOUT (deadlock timeout) value specified for the transaction.

If the master terminal operator purged the task, this may have been in an attempt to clear the system which appeared to be deadlocked for some reason.

If the task was timed out automatically as a result of the DTIMOUT value being exceeded, this may be due to insufficient main storage being available for the number of tasks in the system. If the amount of main storage cannot be increased, reduce the number of tasks in the system to avoid short-on-storage situations. Another possibility is to increase the value of the DTIMOUT option for the transaction.

Module: DFHZARM

AZCO

Explanation: The VTAM persistent sessions initialization transaction CGRP has been started directly from a terminal. This is not permitted. This transaction can only be started internally by CICS.

System Action: The transaction is abnormally terminated with a transaction dump.

User Response: None.

Module: DFHZCGRP

AZCP

Explanation: A logic error has been detected in ZCP. An allocation request for a starting task cannot be satisfied.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Modules: DFHZSUP DFH62XM

AZCQ

Explanation: An error (INVALID, DISASTER or unexpected EXCEPTION response) has occurred on a call to the recovery manager (RM) domain to change the recovery status of an intercommunication session. The domain provides an exit trace, and possibly a console message and a system dump (depending on the options specified in the dump table).

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: This failure is either the result of a task purge, or it represents a CICS logic error and you will need assistance from IBM.

See the related diagnostic material produced by the recovery manager domain.

Modules: DFHZSUP DFHMRXM DFH62XM

AZCR

Explanation: A logic or protocol error has been detected during processing of an APPC SYNCPOINT ROLLBACK request. An attempt has been made to restore the conversation state to what it was after completion of the last successful unit of work. This saved state does not match flows received from the partner.

The problem arises during rollback in one of the following situations:

- The saved state is receive, and the partner sent change direction on the last flow, indicating that the partner expects CICS to be in send state
- The saved state is send, and the partner did not send the change-direction indicator on the last flow, indicating that the partner expects CICS to be in receive state.

System Action: The task is abnormally terminated with a CICS transaction dump. Other processing continues.

User Response: The problem can arise because of a failure in CICS, or a failure in the partner. To determine which is failing, analyze the flows at the last successful syncpoint. Try to determine the states the two LUs were in at this point. Look at the last syncpoint flow into CICS from the partner, before the abend. From this flow, calculate whether the change-direction indicator on the SPCMOD modifier byte is on. (See the *SNA Formats* manual for further information on the SPCMOD modifier byte.) The indicator must only be set when the saved CICS conversation state is send. If the last CICS state was send, and the indicator is on, CICS is at fault. Similarly, if the last CICS state was receive, and the indicator is off, CICS is at fault.

If the last CICS state was send and the indicator is off, or the last CICS state was receive, and the indicator is on, CICS has received a change-direction indicator when it was not expecting one. In this case, examine the partner for a logic error.

Module: DFHZARL

AZCT

Explanation: A terminal read-time-out condition has been detected. The transaction has been waiting for a terminal input message for an interval longer than specified in the RTIMOUT value for that transaction.

Coding RTIMOUT in the PROFILE entry causes the task to be abnormally terminated if the terminal does not send input within the specified time.

System Action: The transaction is abnormally terminated. A dump is not provided unless the dump table entry for transaction dump code AZCT indicates that one should be taken.

User Response: If a DFHPC TYPE=SETEXIT macro has been issued for this task, the read that was timed-out is still outstanding. In order to cancel this read, issue a DFHPC TYPE=ABEND at the end of the user exit routine so that CICS can clean up the terminal's TCTTE.

Module: DFHZARQ

AZCU

Explanation: The COVR transaction has been started directly from a terminal, or by a START command. This is not permitted. This transaction can only be started internally by CICS.

System Action: The transaction is abnormally terminated. No transaction dump is taken.

User Response: None.

Module: DFHZCOVR

AZCV

Explanation: A logic error has been detected in the COVR transaction while trying to connect to VTAM.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHZCOVR

AZCW

Explanation: An attempt has been made to run the CICS internal task CSTP as a user transaction.

System Action: CICS terminates the task with a transaction dump.

User Response: Investigate why the attempt was made to run CSTP as a user transaction.

Module: DFHZCSTP

AZIA

Explanation: The transaction attempted to acquire or free storage during MRO processing. The response from the CICS storage manager (SM) domain indicated that the request was invalid.

System Action: The task is abnormally terminated with a dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHZIS2

AZIB

Explanation: The transaction was purged whilst waiting for storage to receive MRO data from a connected subsystem. The purge may have been the result of operator action, such as CEMT SET TASK PURGE, or as the result of the waiting time exceeding the DTIMOUT value for the transaction.

System Action: The task is abnormally terminated with a dump.

User Response: If the condition is caused by time-out, examine the DTIMOUT value for the failing transaction and increase it if it is too low.

Module: DFHZIS2

AZIC

Explanation: An INVALID, DISASTER, or EXCEPTION condition has occurred on a call to the storage manager domain (DFHSMGFM) to FREEMAIN a CRB control block.

The domain that detected the original error provides an exception trace, a console message, and possibly a system dump.

System Action: The task is abnormally terminated with a transaction dump.

User Response: Please see the related message from the domain that detected the original error.

Module: DFHZIS2

AZID

Explanation: A PURGED condition has occurred on a call to the storage manager domain (DFHSMGFM) to FREEMAIN a CRB control block.

The domain that detected the original error provides an exception trace.

System Action: The task is abnormally terminated with a transaction dump.

User Response: Investigate why the task was purged. It was purged either as a result of a purge from the master terminal operator via the CEMT transaction, or by the task being timed out after waiting for longer than the DTIMOUT (deadlock timeout) value specified for the transaction.

If the master terminal operator purged the task, this may have been in an attempt to clear the system which appeared to be deadlocked for some reason.

If the task was timed out automatically as a result of the DTIMOUT value being exceeded, this may be due to insufficient main storage being available for the number of tasks in the system. If the amount of main storage cannot be increased, reduce the number of tasks in the system to avoid short-on-storage situations. Another possibility is to increase the value of the DTIMOUT option for the transaction.

Module: DFHZIS2

AZIE

Explanation: An interregion communication (IRC) ISSUE-ERROR or ISSUE-ABEND flow has been received in violation of IRC protocols. This can be caused by:

- A CICS logic error. IRC protocols are not available to MRO distributed transaction processing applications. They are for CICS internal use only.
- A transaction abend on a connected system. This results in an FMH 7 flow over an LU6.2 connection and causes this abend to be issued.

System Action: The task is abnormally terminated with a transaction dump.

User Response: Check whether a mixture of mapped and unmapped conversations are being used as this can cause this abend. Check for any other reasons for transactions to be abending on the attached system.

If a CICS logic error is involved, you will need further assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHZARQ

AZIF

Explanation: An error (INVALID, DISASTER or unexpected EXCEPTION response) has occurred on a call to the recovery manager (RM) domain to change the recovery status of an intercommunication session. The domain provides an exit trace, and possibly a console message and a system dump (depending on the options specified in the dump table).

This is either the result of a task purge, a CICS logic error, or of the inappropriate use of the indoubt test transaction, CIND. CIND should be activated only on the CICS system where the syncpoint processing was initiated. In particular, CIND should not be used on any of the CICS mirror transactions.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: Determine whether CIND has been activated for a transaction that did not initiate the syncpoint processing. If CIND is not being used see the related diagnostic material produced by the recovery manager domain and determine the reason for the failure.

In the case of a CICS logic error, you need further assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHZARQ

AZI1

Explanation: An IRC data transmission request has been issued, but cannot be completed because the transmission protocol has been violated.

If the session is not used for distributed transaction processing, that is if it is used for function shipping or transaction routing, then the problem is caused by a CICS logic error.

If the session is used for distributed transaction processing, then the following are possible causes of the abend:

- An invalid terminal control command, such as ISSUE SIGNAL, was issued
- A send request was issued but the session was not in send state, or a read request was issued but the session was not in receive state.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: Determine the cause of the abend and if appropriate, correct the application. For further guidance, refer to the section on the EXEC Interface block (EIB) in the *CICS Intercommunication Guide*. The EIB describes the state of the session after a request has been issued.

Module: DFHZARQ

AZI2

Explanation: An IRC data transmission request has been issued but cannot be completed. Possible causes of the problem include:

- The transaction running in the connected system has been purged, or
- The transaction running in the connected system has been timed out, or
- The abending transaction has attempted to SEND while in RECEIVE state, or
- The abending transaction has attempted to RECEIVE while in SEND state.

If the abend was caused by DFHIRP rejecting the transmission request, the dump will contain DFHIRP's return code in the field TCTEIRET for the TCTTE representing the failed IRC session. The address of this TCTTE is in field B of the trace entry representing the DFHTC data transmission request.

The meanings of the DFHIRP return codes are given in the copybook, DFHIRSDS.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: If the cause of the error was a purge or a time-out, no further action is required.

If the error was caused by a condition such as an attempted SEND while in RECEIVE state or vice versa, analyze the dump and correct the protocol violation.

Module: DFHZARQ

AZI3

Explanation: A terminal control request issued by an application to a remotely-owned terminal failed because the conversation with the other system failed.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHZARQ

AZI4

Explanation: An IRC data transmission request has been issued, but cannot be completed because the other system has become unavailable for interregion communication.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: Rerun the transaction when IRC is available.

Module: DFHZARQ

AZI5

Explanation: An IRC data transmission request has been issued, but the data sent by the connected system in response to the request violated IRC protocols.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHZARQ

AZI6

Explanation: The transaction was connected to another transaction in another CICS system via an IRC link. This other transaction has abnormally terminated.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: Correct the cause of the abend in the connected transaction.

Module: DFHZARQ

AZI7

Explanation: The transaction was processing an MRO request which involved waiting for a response from a connected subsystem. The 'wait' request was rejected by the CICS dispatcher.

System Action: The transaction is abnormally terminated with a dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHZIS2

AZI8

Explanation: The error log data received with an ISSUE-ABEND flow on an IRC connection was not in the correct format.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHZIS1

AZI9

Explanation: The transaction was processing an MRO request which involved waiting for a response from a connected subsystem. During the wait, the failing transaction was purged. The purge can only have been the result of operator action, such as a CEMT SET TASK PURGE.

System Action: The task is abnormally terminated with a dump.

User Response: Investigate the reason the transaction was purged.

Module: DFHZIS2

AZRA

Explanation: DFHZARRC detected that the address of an FMH in the APPC was not in the receive buffer. The cause could either be a storage overwrite or a CICS internal logic error.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: If this problem is reproducible, a level 1 and 2 trace of the TC component would aid problem determination. Check the TCTTE in the transaction dump for printable characters or other signs of a storage violation error.

Module: DFHZARRC

AZRB

Explanation: Module DFHZARR0 was called with an invalid first parameter. The first parameter should be the code of the function to be performed. This is a CICS logic error.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: If this problem is reproducible, then a level 1 and 2 trace of the TC component would aid problem determination. You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHZARR0

AZRD

Explanation: The logical and physical APPC receive buffers have become out of step. This problem is caused either by a storage overwrite or by a CICS internal logic error.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: If this problem is reproducible, then a level 1 and 2 trace of the TC component would aid problem determination. Check the TCTTE in the transaction dump for printable characters or other signs of a storage violation error.

Module: DFHZARR0

AZRE

Explanation: The logical APPC receive buffer (addressed by TCTERBLA) starts before or after the physical receive buffer (addressed by TCTERBLA). This is not valid as the logical receive buffer is the part of the physical receive buffer that is yet to be processed. This problem could be caused either by a storage overwrite or by a CICS internal logic error.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: If this problem is reproducible then a level 1 and 2 trace of the TC component would aid problem determination. Check the TCTTE in the transaction dump for printable characters or other signs of a storage violation error.

Module: DFHZARR0

AZRF

Explanation: The DFHZUSR state machine has returned an invalid state error at a point where it should not be possible. This is a CICS internal logic error.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: If this problem is reproducible, then a level 1 and 2 trace of the TC component would aid problem determination. You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHZARRF

AZRG

Explanation: The DFHZUSR state machine has returned an invalid state error at a point where it should not be possible. This is a CICS internal logic error.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: If this problem is reproducible, then a level 1 and 2 trace of the TC component would aid problem determination. You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHZARR

AZRH

Explanation: The DFHZARR state variable RECEIVE_TYPE, used to control receive processing, has been set to an invalid value. The only other module that has access to this variable is DFHZARRF. This is a CICS internal logic error.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: If this problem is reproducible, then a level 1 and 2 trace of the TC component would aid problem determination. You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHZARR

AZRI

Explanation: One of the parameters passed to DFHZARR1. was invalid. This is a CICS internal logic error.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: If this problem is reproducible, then a level 1 and 2 trace of the TC component would aid problem determination. You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHZARR1

AZRJ

Explanation: The length of a record that DFHZARR0 has been requested to remove from the APPC receive buffer, is longer than the buffer itself. This problem could be caused either by a storage overwrite or by a CICS internal logic error.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: If this problem is reproducible, a level 1 and 2 trace of the TC component would aid problem determination. Check the TCTTE in the transaction dump for printable characters or other signs of a storage violation error.

Module: DFHZARR0

AZRK

Explanation: The DFHLUC parameter list passed back from DFHZERH to DFHZARRF contained an invalid combination of LUCCIERR, LUCCIFRE, and LUCCIRBK fields. This is a CICS internal logic error.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: If this problem is reproducible, a level 1 and 2 trace of the TC component would aid problem determination. You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHZARRF

AZRL

Explanation: Module DFHZARRF was called with an invalid first parameter. The first parameter should be the code of the function to be performed. This is a CICS internal logic error.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: If this problem is reproducible, a level 1 and 2 trace of the TC component would aid problem determination. You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHZARRF

AZRM

Explanation: Module DFHZARR called one of its own internal routines at the wrong time. This is a CICS internal logic error.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: If this problem is reproducible, a level 1 and 2 trace of the TC component would aid problem determination. You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHZARR

AZRN

Explanation: The DFHLUC parameter list passed back from DFHZERH to DFHZARRF did not have LUCCIERR set on. This is a CICS internal logic error.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: If this problem is reproducible, a level 1 and 2 trace of the TC component would aid problem determination. You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHZARRF

AZRO

Explanation: Module DFHZARER was called with an invalid first parameter. The first parameter should be the code of the function to be performed. This is a CICS internal logic error.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: If this problem is reproducible, a level 1 and 2 trace of the TC component would aid problem determination. You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHZARER

AZRP

Explanation: Module DFHZARER detected an invalid response from DFHZNAC. This is a CICS internal logic error.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: If this problem is reproducible, a level 1 and 2 trace of the TC component would aid problem determination. You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHZARER

AZRQ

Explanation: Module DFHZARRA was called with an invalid parameter. This is a CICS internal logic error.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: If this problem is reproducible, a level 1 and 2 trace of the TC component would aid problem determination. You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHZARRA

AZRR

Explanation: Module DFHZARRA detected that the application buffer chained off of a TCTTE at offset TCTERCSA had a corrupted header. This is caused either by a CICS logic error or by a storage overwrite. The exception trace point that accompanies this abend code gives the TCTTE address.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: If this problem is reproducible, a level 1 and 2 trace of the TC component would aid problem determination. Check the TCTTE in the transaction dump for printable characters or other signs of a storage violation error.

Module: DFHZARRA

AZRS

Explanation: Module DFHZARRA is unable to acquire main memory for a new application buffer into which it is supposed to copy some data. This is because the DFHLUC receive request is SUBTYPE=LLID, SET=YES and DFHZARRA does not know the length to acquire on the GETMAIN. DFHZARRA requires the length of the record currently being received, but it has been set to 0 in error. This is a CICS logic error. The exception trace point that accompanies this abend code gives the TCTTE address.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: If this problem is reproducible, a level 1 and 2 trace of the TC component would aid problem determination. You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHZARRA

AZRT

Explanation: Module DFHZARRA has detected that the application buffer, into which it is supposed to copy some data, is invalid. This is either because the address of the buffer is zero or because its length is less than that of the data to be copied into it. This is a CICS logic error. The exception trace point that accompanies this abend code gives the buffer address and length plus the data address and length.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: If this problem is reproducible, a level 1 and 2 trace of the TC component would aid problem determination. You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHZARRA

AZRU

Explanation: Module DFHZARRF detected an unexpected response from DFHZARR0. This is a CICS logic error. The exception trace point that accompanies this abend code gives the invalid response code.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: If this problem is reproducible, then a level 1 and 2 trace of the TC component would aid problem determination. You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHZARRF

AZRV

Explanation: Module DFHZARR1 detected an unexpected response from DFHZARR0. This is a CICS logic error. The exception trace point that accompanies this abend code gives the invalid response code.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: If this problem is reproducible, a level 1 and 2 trace of the TC component would aid problem determination. You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: One of the parameters passed to DFHZARR1

AZRW

Explanation: Module DFHZARRA detected a negative record length in the TCTTE (field TCTELLC). This is caused either by a CICS logic error or by a storage overwrite. The exception trace point that accompanies this abend code gives the TCTTE address and the value of TCTELLC.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: If this problem is reproducible, a level 1 and 2 trace of the TC component would aid problem determination. Check the TCTTE in the transaction dump for printable characters or other signs of a storage violation error.

Module: DFHZARRA

AZRY

Explanation: Module DFHZARR detected an unexpected response from DFHZARRC. This is a CICS logic error. The exception trace point that accompanies this abend code gives the invalid response code.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: If this problem is reproducible, a level 1 and 2 trace of the TC component would aid problem determination. You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHZARR

AZRZ

Explanation: Module DFHZARR detected an unexpected response from an internal subroutine. This is a CICS logic error. The exception trace point that accompanies this abend code gives the invalid response code.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: If this problem is reproducible, a level 1 and 2 trace of the TC component would aid problem determination. You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHZARR

AZR2

Explanation: Module DFHZARRA is unable to acquire main memory for a new application buffer because the storage manager GETMAIN failed.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: Use the trace to identify the failing return from the storage manager and analyze the reason for failure.

Module: DFHZARRA

AZR3

Explanation: During a GETMAIN request, the storage domain detected that the task has been purged.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: Use the trace to investigate why the task was purged. Check if the master terminal operator was responsible.

Module: DFHZARRA

AZR4

Explanation: An unexpected response has been received from a dispatcher domain call.

System Action: The transaction is abnormally terminated with a transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHZARER

AZR5

Explanation: An unexpected response has been received from a dispatcher domain call.

System Action: The transaction is abnormally terminated with a transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHZARR1

AZR6

Explanation: An exception condition was raised as the result of a request from the APPC communications routine DFHZARL to the CICS recovery manager domain. This is either caused by a CICS logic error or by the inappropriate use of the indoubt test transaction, CIND. CIND should be activated only on the CICS system where the syncpoint processing was initiated. In particular, CIND should not be used on any of the CICS mirror transactions.

System Action: The transaction is abnormally terminated with a transaction dump.

User Response: Determine whether CIND has been activated for a transaction that did not initiate the syncpoint processing. If CIND is not being used, you will need further assistance from IBM to resolve the problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHZARER

AZS0

Explanation: An invalid request was passed via the DFHZSTAM macro to the processing DFHZSTAP program. This is a CICS internal logic error.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHZSTAP

AZS1

Explanation: No TCTTE pointer was passed via the DFHZSTAM macro to the processing DFHZ program. This is a CICS internal logic error.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHZSTAP

AZS2

Explanation: The TCTTE passed via the DFHZSTAM macro to the processing DFHZSTAP program does not relate to an MRO or an APPC Conversation. This is a CICS internal logic error.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHZSTAP

AZS3

Explanation: The TCTTE passed via the DFHZSTAM macro to the processing DFHZSTAP program for an APPC Conversation, but the LUC Extension Control Block was not located. This is a CICS internal logic error.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHZSTAP

AZS4

Explanation: While processing a DFHZSTAM request in DFHZSTAP, the DFHZUSRM LUC State Machine was found to have an invalid setting. This is a CICS internal logic error.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHZSTAP

AZS5

Explanation: Whilst processing a DFHZSTAM request in DFHZSTAP, the Internal State number was found to have an invalid setting. This is a CICS internal logic error.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHZSTAP

AZS6

Explanation: Whilst processing a DFHZSTAM request in DFHZSTAP, the Internal State number was found to have an invalid setting. This is a CICS internal logic error.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHZSTAP

AZTA

Explanation: The task does not own a terminal as its principal facility.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHZTSP

AZTB

Explanation: An attempt to install or delete a remote terminal in this CICS system has failed. This abend can also occur if the CITS/CDTS/CMTS/CFTS transactions are not available (that is , if the transactions have not been installed).

System Action: DFHZTSP is abnormally terminated with a CICS transaction dump.

User Response: Verify that the listed transactions exist and have been installed. If they have, you need further assistance to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHZTSP

AZTC

Explanation: An attempt to install or delete a remote terminal in this system has failed. This is because a short-on-storage (SOS) condition has caused the failure of a GETMAIN for the attach of CITS, CDTS, or CFTS.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: Investigate the reason for the SOS condition. See the *CICS Problem Determination Guide* for guidance on dealing with the SOS condition.

Retry the transaction later.

Module: DFHZTSP

AZTF

Explanation: DFHZTSP tried to GETMAIN or FREEMAIN a TCTTE whose length (TCTTETEL) is longer than the largest TCTTE SUBPOOL and is therefore invalid. This implies a storage violation or a CICS internal logic error.

System Action: The transaction is abnormally terminated with a CICS transaction dump.

User Response: Use the transaction dump to identify the TCTTE in error. First, check whether this is a storage overwrite. If so, check in your statistics to see if you are getting a number of storage violations caused by the same transaction. If this is the case, then a user-supplied application is probably causing the problem.

If it is not a storage violation problem, or if there is a random storage violation, there might be an error in CICS. In this case, you need further assistance to resolve the problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHZTSP

AZTG

Explanation: An attempt has been made to attach a task on a remotely-owned terminal without an intersystem TCTTE as its principal facility.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHZTSP

AZTH

Explanation: An error response was received from the remote terminal control macro.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHZTSP

AZTI

Explanation: An attempt has been made to attach a task on a remotely-owned terminal, but the terminal is not defined in this system as a remotely-owned terminal.

Alternatively, another task holds a lock on this terminal.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: Check the terminal control table definitions in the systems involved. If the definitions are correct, check that no other tasks have locks held on the terminal (CECI, for example).

Module: DFHZTSP

AZTL

Explanation: An attempt has been made to attach a task to a remotely-owned terminal that cannot be used to run this transaction.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: Inform the system programmer. Check the terminal control table definitions in the systems involved.

Module: DFHZTSP

AZTM

Explanation: The data received from the remote system does not contain an FMH (function management header).

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHZTSP

AZTN

Explanation: Conversation with a remote system has been unexpectedly terminated.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHZTSP

AZTO

Explanation: The TCTTE ownership chain is in error.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHZTSP

AZTP

Explanation: A BMS TYPE=STORE request issued on behalf of a remote transaction failed.

System Action: The task abnormally terminates with a CICS transaction dump.

User Response: Inform the system programmer. Check that the required BMS support has been generated.

Module: DFHZTSP

AZTQ

Explanation: Invalid BMS data received from remote system.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHZTSP

AZTR

Explanation: A BMS TYPE=PAGEOUT request issued on behalf of a remote system failed.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: Ensure that the required BMS support has been generated.

Module: DFHZTSP

AZTS

Explanation: An attempt to ship data to a remote system failed.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: Investigate why the conversations with the remote system failed. The transaction on the remote system has probably been abnormally terminated or the session has failed.

Module: DFHZTSP

AZTT

Explanation: An attempt was made to attach a task on a remote system, but the connection with the remote system is not an APPC or MRO connection.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: Redefine the connection as APPC or MRO, or avoid using transaction routing on this connection.

Module: DFHZTSP

AZTU

Explanation: The task does not own the link TCTTE after a sync point has been taken.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHZTSP

AZTV

Explanation: An invalid function management header (FMH) has been received from the remote system.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHZTSP

AZTW

Explanation: An attempt was made to attach a task on a remotely-owned terminal that was already running a task.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: Check the terminal control table definitions in the systems involved.

Module: DFHZTSP

AZTY

Explanation: A session TCT entry for a remotely owned APPC terminal or connection could not be created because to do so would exceed the maximum number of APPC sessions permitted.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: Inform the system programmer. Either wait for the system to become less busy, or delete some APPC sessions.

Module: DFHZTSP

AZTZ

Explanation: The CICS relay program DFHCRT has been attached in an unsupported manner.

System Action: CICS abnormally terminates the transaction with a transaction dump.

User Response: The relay transaction executes with an MRO session or an LU type 6.2 conversation as its principal facility. Ensure that the transaction is being attached by APPC terminal sharing logic and not directly by a user transaction.

If the transaction is being attached by APPC terminal sharing logic, you need further assistance to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHZTSP

AZT1

Explanation: The task has been attached improperly in the application-owning region when transaction routing.

System Action: CICS abnormally terminates the transaction with a transaction dump.

User Response: The conversation with the routing system should be an MRO session or an LU type 6.2 conversation. Ensure that the transaction is being attached by the CICS relay program in the connected system and not by a user program.

If the transaction is being attached by the CICS relay program in the connected system, you need further assistance to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHZTSP

AZT3

Explanation: The task is being routed back to the region from where it came.

System Action: CICS abnormally terminates the transaction with a transaction dump.

User Response: Correct the transaction definition.

Module: DFHZTSP

AZT6

Explanation: The task in the application-owning region has received a ROLLBACK request from the terminal-owning region, but the conversation is continuing. The terminal-owning region has violated the transaction routing protocol.

System Action: CICS abnormally terminates the transaction with a transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHZTSP

AZT7

Explanation: A session terminal control table (TCT) entry for a remotely owned APPC terminal or connection could not be added to the TCT.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHZTSP

AZT8

Explanation: A session terminal control table (TCT) entry for a remotely owned APPC terminal or connection could not be deleted from the TCT.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHZTSP

AZT9

Explanation: A session terminal control table (TCT) entry for a remotely owned APPC terminal or connection could not be deleted from the TCT because it is locked by another task.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: The other task may be transitory in nature, and if so, another attempt will succeed.

Module: DFHZTSP

AZVA

Explanation: DFHZTSP has timed out waiting for service transaction CITS to complete during the creation of a remote terminal while attaching a task in the application-owning region.

The probable cause of this is that the application-owning region is very busy, so the CITS transaction has been waiting to be dispatched for longer than the timeout value allowed by DFHZTSP. Lack of storage on the target system is one possible reason why CITS has not been dispatched, or has been dispatched but has not completed.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: Retry the transaction when the system becomes less busy. For more information on improving transaction throughput on the target system, see the *CICS Performance Guide*.

Module: DFHZATS

AZVB

Explanation: DFHZCQ has failed to create the remote terminal definition. A previous message or messages should indicate the reason for the failure.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: See the previous message or messages for further guidance.

Module: DFHZATS

AZVC

Explanation: An unexpected error has occurred in DFHZATS. This is probably caused by DFHZATS being unable to address the CSA, EIB or the TCA. It can also occur if DFHZATS is called with an EXEC CICS START command for transactions CITS, CFTS, CMTS or CDTS. These are internal CICS transactions and should not be called in this way.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHZATS

AZVD

Explanation: An unexpected error has occurred in the install procedure of DFHZATS.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: This is a CICS logic error. You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHZATS

AZVE

Explanation: DFHZATS is trying to install a remote terminal with the same terminal id as an existing TCT entry.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: Change the terminal names to ensure that a duplicate does not occur in the same system.

Module: DFHZATS

AZVF

Explanation: One of the remote install or delete transactions of DFHZATS (CITS, CFTS, CMTS or CDTS) has been started directly from a terminal. This is not permitted. These transactions can only be started internally by CICS.

System Action: The transaction is abnormally terminated with a transaction dump.

User Response: None.

Module: DFHZATS

AZVG

Explanation: An error has occurred in the remote delete routines.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHZATS

AZVH

Explanation: An error has occurred in the remote delete routine during the mass deletion of remote terminals.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHZATS

AZVI

Explanation: An error has occurred in the remote delete routine while an attempt was being made to delete a single remote terminal.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: Check the CADL transient data queue for any associated messages indicating the reason for the error. If you cannot resolve the problem, you will need assistance from IBM. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHZATS

AZVJ

Explanation: An error has occurred during the mass deletion of remote terminals. This is caused by a CICS logic error.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHZATS

AZVK

Explanation: An unexpected return code has been received from the remote delete routine during the deletion of a single remote terminal.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: Look for an accompanying DFHZC6911 message indicating the reason for the delete failure, and take appropriate action.

Module: DFHZATS

AZVL

Explanation: An error has occurred during the mass flagging of remote terminals for deletion.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHZATS

AZVM

Explanation: An error has occurred in DFHZATMF. This is probably caused by DFHZATMF being unable to address the CSA, EIB, or the TCA.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHZATMF

AZVN

Explanation: The remote delete flag transaction of DFHZATMF (CRMF) has been started directly from a terminal. This is not permitted. This transaction can only be started internally by CICS.

System Action: The transaction is abnormally terminated with a transaction dump.

User Response: None.

Module: DFHZATMF

AZVO

Explanation: The remote delete transaction of DFHZATMD (CRMD) has been started directly from a terminal. This is not permitted. This transaction can only be started internally by CICS.

System Action: The transaction is abnormally terminated with a transaction dump.

User Response: None.

Module: DFHZATMD

AZVP

Explanation: An error has occurred in DFHZATMD. This is probably caused by DFHZATMD being unable to address the CSA, EIB, or the TCA.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHZATMD

AZVQ

Explanation: A request to install a shipped terminal definition has been rejected by the autoinstall user program.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: Retry the transaction when the system is less busy.

Module: DFHZATS

AZVR

Explanation: An attempt to install a shipped terminal definition has failed because the autoinstall user program has issued an unexpected return code.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: Examine the autoinstall user program to determine why this return code was issued.

Module: DFHZATS

AZVS

Explanation: An attempt to install a shipped terminal definition has failed because an error has occurred in the autoinstall user program.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: Examine the autoinstall user program to determine the reason for the failure.

Module: DFHZATS

AZVU

Explanation: DFHZATS was attempting to autoinstall a shipped terminal, a virtual terminal or a shipped connection and the autoinstall URM was called. However the autoinstall failed for one of the following reasons:

- The name returned by the URM in SELECTED_SHIPPED_TERMID started with one of these characters:

  <
  >
  -

- The value in the SIT VTPREFIX parameter contained imbedded blanks or a character that is not allowed for terminal names.

System Action: The task is abnormally terminated with a CICS transaction dump.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHZATS

AZXA

Explanation: An unexpected error, with reason code 5, has been detected in the catchup program, DFHZXCU. See the description of message DFHXG6492 for further details.

System Action: Console message DFHXG6492 is issued, and CICS continues after abending the transaction.

User Response: Refer to message DFHXG6492.

Module: DFHZXCU

AZXB

Explanation: An unexpected error, with reason code 4, has been detected in the catchup program, DFHZXCU. See the description of message DFHXG6492 for further details.

System Action: Console message DFHXG6492 is issued, and CICS continues after abending the transaction.

User Response: Refer to message DFHXG6492.

Module: DFHZXCU

System dump codes

Whenever a CICS system dump is requested, CICS references a system dump code that corresponds to the event that caused the dump request to be made. This is done in order to see what further action should be taken. More information about this can be found in the *CICS Problem Determination Guide*.

In most cases, system dump codes correspond to a DFH message with the DFH tag stripped off. For example, system dump code DM0001 corresponds to message DFHDM0001 with the DFH tag removed. For further information, look up the relevant message where appropriate.

However, there are some exceptions to this format, as shown in the following list.

System dump code	*Corresponding message or exception condition*
ABNDU603	This system dump code refers to a USER abend code and is associated with message DFHSR0603.
ABNDU605	This system dump code refers to a USER abend code and is associated with message DFHSR0605.
APTRAPPC	This system dump code is associated with message DFHTR1001.
APTRAPUS	This system dump code is associated with message DFHTR1000.
APUSER	This system dump code is issued through the use of the CEBT transaction when performing a PERFORM SNAP command.
APXRFTO	This system dump code has no DFH message associated with it. An error in the currently active CICS system has occurred. An alternate CICS system is now taking control and is requesting that the active CICS system produces a dump of itself.
MT0001	This system dump code has no DFH message associated with it. It indicates that a dump was requested by a user of CEMT, issuing either a PERFORM SNAP or a PERFORM DUMP.

DHxx (IMS/ESA) abend codes

If the IMS high-level programming interface (HLPI) has found a condition caused by a programming error, or if DL/I has returned a status code to HLPI which indicates an error, IMS/ESA returns a status code *xx* to CICS Transaction Server for OS/390. These codes are described in the *IMS/ESA Application Programming: EXEC DLI Commands* manual.

DHTA

Explanation: A task has issued a program specification block (PSB) schedule request but the PSB could not be found.

See the description of the DL/I status code TA in the *IMS/ESA Application Programming: EXEC DLI Commands* manual for guidance.

DHTC

Explanation: A task has issued a program specification block (PSB) schedule request but the PSB has already been scheduled.

See the description of the DL/I status code TC in the *IMS/ESA Application Programming: EXEC DLI Commands* manual for guidance.

DHTE

Explanation: A task has issued a program specification block (PSB) schedule request but a PSB initializaton error occurred.

See the description of the DL/I status code TE in the *IMS/ESA Application Programming: EXEC DLI Commands* manual for guidance.

DHTG

Explanation: A task has issued a terminate request but the request failed because the program specification block (PSB) is not scheduled.

See the description of the DL/I status code TG in the *IMS/ESA Application Programming: EXEC DLI Commands* manual for guidance.

DHTH

Explanation: A task has issued a DL/I request but the request failed because the program specification block (PSB) is not scheduled.

See the description of the DL/I status code TH in the *IMS/ESA Application Programming: EXEC DLI Commands* manual for guidance.

DHTJ

Explanation: A task has issued a program specification block (PSB) schedule request but the request failed because CICS is not connected to DBCTL.

See the description of the DL/I status code TJ in the *IMS/ESA Application Programming: EXEC DLI Commands* manual for guidance.

DHTQ

Explanation: A task has issued a program specification block (PSB) schedule request but the request failed.

See the description of the DL/I status code TQ in the *IMS/ESA Application Programming: EXEC DLI Commands* manual for guidance.

01xx (translator) abend codes

0100 LISTING FILE CANNOT BE OPENED

Explanation: The listing data set has not opened successfully.

System Action: The CICS command level translator terminates abnormally. A system dump is produced if a SYSABEND or SYSUDUMP DD statement is provided.

User Response: Ensure correct JCL or determine what is causing the open error.

Modules: DFHEAP (for assembler language), DFHECP (for COBOL), DFHEDP (for C), DFHEPP (for PL/I)

0101 UNRECOVERABLE TRANSLATOR ERROR

Explanation: The translator encountered a program check from which it could not recover.

System Action: The CICS command-level translator terminates abnormally. A system dump is produced if a SYSABEND or SYSUDUMP DD statement is provided.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHEAP (for assembler language), DFHECP (for COBOL), DFHEDP (for C), DFHEPP (for PL/I)

02xx (DFHPD520) abend codes

0211 RECURSIVE PROGRAM CHECK

Explanation: A program check has occurred while the system dump formatting program was handling an earlier program check.

System Action: The system dump formatting program terminates abnormally. A system dump is produced if a SYSABEND or SYSUDUMP DD statement is provided.

User Response: The program check preceding the abend is accompanied by message DFHPD0123. See the description of this message for more guidance.

Module: DFHPD520

0212 TOO MANY PROGRAM CHECKS

Explanation: A sixth program check has occurred during execution of the system dump formatting program.

System Action: The system dump formatting program terminates abnormally. A system dump is produced if a SYSABEND or SYSUDUMP DD statement is provided.

User Response: This abend is preceded by five DFHPD0123 messages, one for each of the five earlier program checks. See the description of this message for more guidance.

Module: DFHPD520

03xx (DFHCSDUP) abend codes

0300

Explanation: The SYSIN data set has not opened successfully.

System Action: The CSD batch update utility terminates abnormally. If a SYSABEND or SYSDUMP DD statement is provided, a system dump is produced.

User Response: Ensure that the JCL is correct and that the SYSIN data set exists in sequential form. If necessary, examine the SYSIN DD statement to determine the cause of the error.

Module: DFHCSDUP

0301

Explanation: The RECFM parameter specified in the SYSIN data set is invalid.

System Action: The CSD batch update utility terminates abnormally. If a SYSABEND or SYSUDUMP DD statement is provided, a system dump is produced.

User Response: Ensure that the RECFM parameter in the SYSIN data set is either F or V.

Module: DFHCSDUP

0302

Explanation: The record length specified in the SYSIN data set is invalid.

System Action: The CSD batch update utility terminates abnormally. If a SYSABEND or SYSUDUMP DD statement is provided, a system dump is produced.

User Response: Ensure that the record length specified in the SYSIN data set is no greater than 80.

Module: DFHCSDUP

0303

Explanation: The SYSPRINT data set did not open successfully.

System Action: The CSD batch update utility terminates abnormally. If a SYSABEND or SYSUDUMP DD statement is provided, a system dump is produced.

User Response: Ensure that the SYSPRINT data set exists. If necessary, examine the SYSPRINT DD statement to determine the cause of the error.

Module: DFHCSDUP

0304

Explanation: DFHCSDUP has found an unrecognized resource type code in a CSD record. The unrecognized code does not match any of the function codes in the language definition table. This can occur for one of the following reasons:

1. You are using a CICS release that does not support a type of definition that was created on the CSD file by a later CICS release.
2. The language definition table (DFHEITSP or DFHEITCU) is invalid for this CICS release.
3. The CSD manager (DFHDMP) has passed an invalid CSD record buffer to DFHPUP. This is a CICS internal logic error.

System Action: The CSD batch update utility terminates abnormally. If a SYSABEND or SYSUDUMP DD statement is provided, a system dump is produced.

User Response: Determine which of the possible reasons caused the error. If you can eliminate reasons 1 and 2, you can assume that reason 3 applies.

Take action corresponding to the reason you have established as follows:

1. Ignore the message.
2. Ensure that the library contains versions of DFHEITSP and DFHEITCU that are valid for the CICS release you are running.
3. You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHCSDUP

0305

Explanation: An unexpected return code was received either while trying to close the alternate SYSIN and SYSPRINT DCBs (CLOSEDCB) or while trying to free the task local storage (FREETLS).

System Action: The CSD batch update utility terminates abnormally. If a SYSABEND or SYSUDUMP DD statement is provided, a system dump is produced.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHCSDUP

0307

Explanation: An attempt to print the input command failed. Since messages cannot be issued, the utility must terminate.

System Action: The CSD batch update utility terminates abnormally. If a SYSABEND or SYSUDUMP DD statement is provided, a system dump is produced.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHCSDUP

0308

Explanation: During the migration of a TCT table, a bad command sequence was found. This can occur for one of the following reasons:

- TYPETERM was not preceded by TERMINAL
- TERMINAL was not followed by TYPETERM

System Action: The CSD batch update utility terminates abnormally. If a SYSABEND or SYSUDUMP DD statement is provided, a system dump is produced.

User Response: Correct the TCT table to be migrated and rerun the job.

Module: DFHCSDUP

0309

Explanation: DFHCSDUP has found an unrecognized function code in a command. This is a CICS internal logic error.

System Action: The CSD batch update utility terminates abnormally. If a SYSABEND or SYSUDUMP DD statement is provided, a system dump is produced.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHCSDUP

0321

Explanation: An internal error has occurred in module DFHCSDUP when invoked by a CSD utility command.

System Action: Message DFH5100 is issued and the CSD batch update utility terminates abnormally. If a SYSABEND or SYSUDUMP DD statement is provided, a system dump is produced.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHCSDUP

0322

Explanation: While processing a MIGRATE command, the specified table to be migrated could not be loaded.

System Action: Message DFH5601 is issued and the CSD batch update utility terminates abnormally. If a SYSABEND or SYSUDUMP DD statement is provided, a system dump is produced.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHCSDUP

0323

Explanation: While processing a command, VSAM detected an error.

System Action: Message DFH5179 is issued preceded by either DFH5177 or DFH5178 depending on the error and the CSD batch update utility terminates abnormally. If a SYSABEND or SYSUDUMP DD statement is provided, a system dump is produced.

User Response: See the description of the issued messages to determine the cause of the error.

Module: DFHCSDUP

0325

Explanation: When the LIST command invoked DFHDMP to scan the objects on the CSD file, an error occurred during execution of the DFHDMP function.

System Action: Message DFH5180 is issued and the CSD batch update utility terminates abnormally. If a SYSABEND or SYSUDUMP DD statement is provided, a system dump is produced.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHCSDUP

0326

Explanation: There has been an internal logic error in the DFHCSDUP utility program. The data in the back-translated output buffer is invalid. The length code may be out of range or the data fields in the wrong sequence. One or more of the data fields may be invalid.

System Action: Message DFH5184 is issued and the CSD batch update utility terminates abnormally. If a SYSABEND or SYSUDUMP DD statement is provided, a system dump is produced.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHCSDUP

0327

Explanation: The language table DFHEITCU could not be loaded.

System Action: The CSD batch update utility terminates abnormally. If a SYSABEND or SYSUDUMP DD statement is provided, a system dump is produced.

User Response: Refer to the preceding message which should specify the reason for the failure. You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHCSDUP

0328

Explanation: The language table DFHEITCU could not be unloaded.

System Action: The CSD batch update utility terminates abnormally. If a SYSABEND or SYSUDUMP DD statement is provided, a system dump is produced.

User Response: Refer to the preceding message which should specify the reason for the failure. You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHCSDUP

0330

Explanation: The cross reference table size for the table being migrated is too small.

System Action: The CSD batch update utility terminates abnormally. If a SYSABEND or SYSUDUMP statement is provided, a system dump is produced.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHCSDUP

0331

Explanation: DFHCSDUP was invoked to perform an EXTRACT command using a Language Environment-conforming HLL user exit, but the utility failed to initialize the CEE environment successfully.

System Action: The CSD batch update utility terminates abnormally. If a SYSABEND or SYSUDUMP statement is provided, a system dump is produced. Register 15 contains the initialization return code.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHCSDUP

0332

Explanation: DFHCSDUP was invoked to perform an EXTRACT command using a Language Environment-conforming HLL user exit, but during execution the utility recived a bad return code from the Language Environment.

System Action: The CSD batch update utility terminates abnormally. If a SYSABEND or SYSUDUMP statement is provided, a system dump is produced. Register 15 contains the Language Environment return code. code.

User Response: You need further assistance from IBM to resolve this problem. See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: DFHCSDUP

04xx (external CICS interface) abend codes

0401

Explanation: An external CICS interface (EXCI) request was issued using the CALL API or the EXEC API, and the EXCI stub DFHXCSTB link-edited with the application detected that it was running in AMODE 24. The external CICS interface only supports calls made in AMODE 31.

System Action: The application terminates abnormally.

User Response: Change the application so that EXCI calls are made in AMODE 31, or relink-edit the application AMODE 31.

Module: DFHXCSTB.

0402

Explanation: The external CICS interface module DFHXCPRH issued an MVS ESTAE macro to establish a recovery environment, but a nonzero return code was returned from MVS.

System Action: The application terminates abnormally with a dump.

User Response: Examine the dump and any associated MVS messages produced to determine why the MVS ESTAE request failed.

If the error occurred while processing an INITIALIZE_USER request on behalf of the application, an attempt to format the dump using the CICS IPCS dump formatter does not produce any formatted output. This is because the error occurred too early in EXCI initialization for there to be any control blocks.

Module: DFHXCPRH

0403

Explanation: The external CICS interface module DFHXCPRH issued an MVS GETMAIN request to obtain storage for its XCGLOBAL block, but a nonzero return code was returned from MVS.

System Action: Module DFHXCPRH issues an MVS abend with abend code 0403 which invokes its ESTAE routine to clear up its environment. A SYSMDUMP is taken before returning control to the application. An application using the EXCI CALL API receives RESPONSE(SYSTEM_ERROR) REASON(XCGLOBAL_GETMAIN_ERROR) in its return area. The subreason1 field of the return area contains the R15 return code from MVS indicating why the GETMAIN failed. An application using the EXCI EXEC API receives RESP(LINKERR) RESP2(602).

User Response: Use the MVS R15 return code obtained from the application or from the dump to determine why the MVS GETMAIN request failed. If the reason is insufficient storage, increase the region size of the batch application.

An attempt to format the SYSMDUMP produced with the CICS IPCS dump formatter does not produce any formatted output for the job because the error occurred too early in EXCI initialization for there to be any control blocks.

Module: DFHXCPRH

0404

Explanation: The external CICS interface module DFHXCPRH needed to take an MVS SDUMP for an earlier reported problem. However the error has occurred too early in EXCI initialization for EXCI dump services to be available.

System Action: Module DFHXCPRH issues an MVS abend with abend code 0404 which invokes its ESTAE routine from which a SYSMDUMP is taken instead of an SDUMP to capture the earlier reported problem.

User Response: Examine the SYSMDUMP to determine the cause of the earlier reported problem.

An attempt to format the SYSMDUMP produced with the CICS IPCS dump formatter does not produce any formatted output for the job because the error occurred too early in EXCI initialization for there to be any control blocks.

Module: DFHXCPRH

0405

Explanation: The external CICS interface module DFHXCPRH issued an IEFSSREQ SSI verify request to MVS to determine the number of the CICS SVC type 3 SVC to use. The SSI VERIFY request failed.

System Action: Module DFHXCPRH issues an MVS abend with abend code 0405 which invokes its ESTAE routine to clear up its environment. A SYSMDUMP is taken before returning control to the application. An application using the EXCI CALL API receives RESPONSE(SYSTEM_ERROR) REASON(SSI_VERIFY_FAILED) in its return area. The subreason1 field of the return area contains the R15 return code from MVS indicating why the SSI verify failed. An application using the EXCI EXEC API receives RESP(LINKERR) RESP2(606).

User Response: Use the MVS R15 return code obtained from the application or from the dump to determine why the SSI VERIFY request failed.

An attempt to format the SYSMDUMP produced with the CICS IPCS dump formatter does not produce any formatted output for the job because the error occurred too early in EXCI initialization for there to be any control blocks.

Module: DFHXCPRH

0406

Explanation: The external CICS interface module DFHXCPRH called the CICS SVC to initialize the EXCI environment. The CICS SVC call failed.

System Action: Module DFHXCPRH issues an MVS abend with abend code 0406 which invokes its ESTAE routine to clear up its environment. A SYSMDUMP is taken before returning control to the application. An application using the EXCI CALL API receives RESPONSE(SYSTEM_ERROR) REASON(CICS_SVC_CALL_FAILURE) in its return area. The subreason1 field of the return area contains the R15 return code from the CICS SVC indicating why it failed. An application using the EXCI EXEC API receives RESP(LINKERR) RESP2(607).

User Response: Use the MVS R15 return code obtained from the application or from the dump to determine why the CICS SVC call failed.

An attempt to format the SYSMDUMP produced with the CICS IPCS dump formatter does not produce any formatted output for the job because the error occurred too early in EXCI initialization for there to be any control blocks.

Module: DFHXCPRH

0407

Explanation: The external CICS interface module DFHXCPRH issued a call to the CICS SVC to check whether the SVC in use is at the correct level to be used with the external CICS interface. The check failed indicating that the CICS SVC is not at the correct level.

System Action: Message DFHEX0100 is output, and module DFHXCPRH issues an MVS abend with abend code 0407 which invokes its ESTAE routine to clear up its environment. A SYSMDUMP is taken before returning control to the application. An application using the EXCI CALL API receives RESPONSE(SYSTEM_ERROR) REASON(INCORRECT_SVC_LEVEL) in its return area. An application using the EXCI EXEC API receives RESP(LINKERR) RESP2(627).

User Response: See the explanation of message DFHEX0100 for guidance.

An attempt to format the SYSMDUMP produced with the CICS IPCS dump formatter does not produce any formatted output for the job because the error occurred too early in EXCI initialization for there to be any control blocks.

Module: DFHXCPRH

0408

Explanation: The external CICS interface module DFHXCPRH issued an MVS GETMAIN request for its working storage but a nonzero return code was returned from MVS.

System Action: Module DFHXCPRH issues an MVS abend with abend code 0408 which invokes its ESTAE routine to clear up its environment. A SYSMDUMP is taken before returning control to the application. An application using the EXCI CALL API receives RESPONSE(SYSTEM_ERROR) REASON(WS_GETMAIN_ERROR) in its return area. The subreason1 field of the return area contains the R15 return code from MVS indicating why the GETMAIN failed. An application using the EXCI EXEC API receives RESP(LINKERR) RESP2(601).

User Response: Use the MVS R15 return code obtained from the application or from the dump to determine why the MVS GETMAIN request failed. If the reason is insufficient storage, increase the region size of the batch application.

An attempt to format the SYSMDUMP produced with the CICS IPCS dump formatter does not produce any formatted output for the job because the error occurred too early in EXCI initialization for there to be any control blocks.

Module: DFHXCPRH

0409

Explanation: The external CICS interface module DFHXCPRH issued an MVS GETMAIN request for storage required for its SSI VERIFY request, but a nonzero return code was returned from MVS.

System Action: Module DFHXCPRH issues an MVS abend with abend code 0409 which invokes its ESTAE routine to clear up its environment. A SYSMDUMP is taken before returning control to the application. An application using the EXCI CALL API receives RESPONSE(SYSTEM_ERROR) REASON(VERIFY_BLOCK_GM_ERROR) in its return area. The subreason1 field of the return area contains the R15 return code from MVS indicating why the GETMAIN failed. An application using the EXCI EXEC API receives RESP(LINKERR) RESP2(605).

User Response: Use the MVS R15 return code obtained from the application or from the dump to determine why the MVS GETMAIN request failed. If the reason is insufficient storage, increase the region size of the batch application.

An attempt to format the SYSMDUMP produced with the CICS IPCS dump formatter does not produce any formatted output for the job because the error occurred too early in EXCI initialization for there to be any control blocks.

Module: DFHXCPRH

0410

Explanation: The external CICS interface module DFHXCPRH issued an MVS GETMAIN request for an XCUSER block but a nonzero return code was returned from MVS.

System Action: Module DFHXCPRH issues an MVS abend with abend code 0410 which invokes its ESTAE routine to clear up its environment. A SYSMDUMP is taken before returning control to the application. An application using the EXCI CALL API receives RESPONSE(SYSTEM_ERROR) REASON(XCUSER_GETMAIN_ERROR) in its return area. The subreason1 field of the return area contains the R15 return code from MVS indicating why the GETMAIN failed. An application using the EXCI EXEC API receives RESP(LINKERR) RESP2(603).

User Response: Use the MVS R15 return code obtained from the application or from the dump to determine why the MVS GETMAIN request failed. If the reason is insufficient storage, increase the region size of the batch application.

Module: DFHXCPRH

0411

Explanation: The external CICS interface dump module DFHXCDMP was attempting to call the CICS SVC in order for an MVS SDUMP to be taken to capture an earlier problem. DFHXCDMP was unable to call the SVC as no SVC number was available. DFHXCDMP issued an 0411 abend in order that the callers ESTAE routine is invoked which takes a SYSMDUMP instead.

System Action: A SYSMDUMP is taken instead of an SDUMP for an earlier reported problem.

User Response: Use the SYSMDUMP produced to diagnose the earlier reported problem.

An attempt to format the SYSMDUMP produced with the CICS IPCS dump formatter does not produce any formatted output for the job because the error occurred too early in EXCI initialization for there to be any control blocks.

Module: DFHXCDMP

0412

Explanation: The external CICS interface dump module DFHXCEIP was processing an EXCI EXEC API request and detected that the EXEC parameter list passed to it contained a function that is not supported by the external CICS interface.

System Action: The application is abnormally terminated with a dump.

User Response: This error indicates the parameter list being passed to the EXCI has not been generated by the CICS translator. The translator should always be used. Correct the application to specify the correct EXCI EXEC API command.

An attempt to format the SYSMDUMP produced with the CICS IPCS dump formatter may not produce any formatted output for the job if this was the first EXCI request for this TCB.

Module: DFHXCEIP

0413

Explanation: The external CICS interface dump module DFHXCEIP was processing an EXCI EXEC API request and detected that the EXEC parameter list passed to it did not require the mandatory RETCODE parameter in which return codes are returned to the application.

An attempt to format the SYSMDUMP produced with the CICS IPCS dump formatter may not produce any formatted output for the job if this was the first EXCI request for this TCB.

System Action: The application is abnormally terminated with a dump.

User Response: This error indicates the parameter list being passed to the EXCI has not been generated by the CICS translator. The translator should always be used. Correct the application to specify RETCODE.

Module: DFHXCEIP

0414

Explanation: The external CICS interface module DFHXCEIP issued an MVS ESTAE macro to establish a recovery environment but a nonzero return code was returned from MVS.

System Action: The application terminates abnormally with a dump.

User Response: Examine the dump and any associated MVS messages to determine why the MVS ESTAE request failed.

An attempt to format the SYSMDUMP produced with the CICS IPCS dump formatter may not produce any formatted output for the job if this was the first EXCI request for this TCB.

Module: DFHXCEIP

0415

Explanation: The external CICS interface module DFHXCEIP detected an error early in EXCI initialization before EXCI dump services were available. DFHXCEIP issues abend 0415 so that its ESTAE routine is invoked from where an SYSMDUMP is taken instead to capture the error.

System Action: The application terminates abnormally with a dump.

User Response: Examine the SYSMDUMP to determine the cause of the earlier reported error.

An attempt to format the SYSMDUMP produced with the CICS IPCS dump formatter does not produce any formatted output for the job because the error occurred too early in EXCI initialization for there to be any control blocks.

Module: DFHXCEIP

05xx CICS JVM Interface abend codes

0501

Explanation: A JCICS Java Class method was invoked from a Java application running under control of a JVM and executing on a thread other than the initial process thread (IPT). JCICS requests can only be issued when executing under the initial process thread.

System Action: The thread is abended with a MVS 0501 user abend code causing the initial process thread to be abnormally terminated. Language environment recovery processing is driven causing a 4xxx abend to be issued under the J8 TCB on which the JVM is running. CICS recovery processing terminates the JVM and abnormally terminates the transaction with an ASRB abend code.

User Response: Change the application so that JCICS requests are issued when running under the initial process thread.

Modules:

DFHCALLA, DFHMSGIF, DFHTRCIF

0555

Explanation: A program check occurred, or an operating system or CICS abend was issued within the CICS JVM interface. CICS recovery processing issues an MVS 555 user abend in order to drive the language environment ESTAE routine, which is still active, as part of its cleanup and termination of the CICS task.

System Action: The 555 abend code drives language environment recovery processing. The JVM is terminated and the CICS task is abnormally terminated with the abend code that first initiated CICS recovery processing.

User Response: None. The 555 abend is an internal mechanism to ensure that CICS and Language environment recovery facilities correctly terminate the CICS task and the JVM environment.

Module: DFHAPLJ

1xxx - 9xxx (COBOL II) abend codes

Abend codes with 1 through 9 as the first character are issued by COBOL II applications running on CICS. The last three digits of the abend code, *xxx*, correspond to the digits *xxx* in the associated COBOL II run-time message, IGZ*xxx*I. For example, if you receive an abend code of 1001, the associated run-time message is IGZ001I.

COBOL II run-time messages are described in *VS COBOL II Application Programming Debugging*.

4xxx LE/370 abend codes

Abend codes in the range 4000 to 4095 are issued by LE/370 runtime library modules for LE enabled applications running on CICS.

When LE/370 detects an unrecoverable error, LE/370 terminates the transaction with an EXEC CICS abend with an abend code numbered from 4000-4095. A write-to-operator (WTO) is performed to write a CEE1000S message to the system console. This message contains the abend code and the reason code associated with the abend.

Some of these abends can occur when the system is under stress and LE/370 is unable to acquire the resources required to report a previous abend or failure. In this case there will usually be other symptoms that the system is under stress (for example short on storage messages or other transactions being purged with AEXY or AKC3 abends), and inspection of the transaction dump should allow identification of the original abend.

LE/370 abend codes and run-time messages are described in *IBM Language Environment for MVS and VM Debugging Guide and Run-Time Messages* .

Chapter 4. Transaction Dump Codes

A transaction dump is normally taken as a result of one of two events:

- When an application abends, or issues an EXEC CICS ABEND request.

  In this case, the dump code is the same as the transaction abend code.

- When either CICS or an application issues an EXEC CICS DUMP TRANSACTION request.

  In this case, the dump code is the value specified in the DUMPCODE operand of the request.

CICS-requested Transaction Dump Codes

AUTO

Explanation: The IBM-supplied sample PL/I terminal autoinstall program DFHZPTDX issues an EXEC CICS DUMP TRANSACTION request with this dump code if the autoinstall program is called with an unexpected request.

System Action: DFHZPTDX is ended.

User Response: Check and correct the request made to the sample autoinstall program.

Module: DFHZPTDX

CSXP

Explanation: The CEDF transaction has abended.

System Action: CEDF captures diagnostic information which may be used by IBM.

User Response: Check for a previous message which will indicate which abend caused CEDF to end abnormally. Investigate this abend.

See Part 4 of the *CICS Problem Determination Guide* for guidance on how to proceed.

Module: CEDF

ERRS

Explanation: A CICS sample program has encountered an error and issued an EXEC CICS DUMP TRANSACTION request.

System Action: The sample program terminates abnormally.

User Response: Ceck and correct the source of the sample program which issued the DUMP TRANSACTION request.

Module: DFH£AAL, DFH£ABRW, DFH£ACOM, DFH£AREN, DFH£DALL, DFH£DBRW, DFH£DCOM, DFH£DREN, DFH£PALL, DFH£PBRW, DFH£PCOM, DFH£PREN, DFH0CALL, DFH0CBRW, DFH0CCOM, DFH0CREN

LDIN

Explanation: See dump code CSXP.

PAGE

Explanation: See dump code CSXP.

RMIN

Explanation: See dump code CSXP.

Appendix. Summary of changes

This appendix lists messages and abends changed between CICS Transaction Server for OS/390 Release 3 and CICS Transaction Server for OS/390 Release 2.

New abends

The following abends have been added:

AALP
AALQ
AALR
AALS
AALT
AALU
ABAC
ABAD
ABAE
ABAF
ABRN
ABXA
ABXC
ABXD
ABXE
ABXF
ABXG
ABXH
ABXI
ABXJ
ABXK
ABXM
ABXN
ABXO
ABXP
ABXQ
ABXS
ABX1
ABX2
ABX3
ABX5
ABX6
ABX7
ABX8
ABX9
ACAM
ACFA
ACFB
ACFC
ACFD
ACFE
ACLA
ACLB
ACLC
ACLD
ACLE
ACLF
ACLG
ACLH
ACL0
ACL1
ACL2
ACL3
ACL4
ACL5
ACL6
ACL7
ACL8
ACL9
ACQA
ACQB
ACQC
ACRP
ADMD
AD3U
AD3Z
AEDG
AEZE
AEZF
AEZG
AEZH
AEZI
AEZJ
AEZK
AEZL
AEZM
AEZN
AEZO
AEZP
AEZQ
AFCL
AFCO
AICQ
AICS
AICT
AIOA
AIOB
AIOC
AIOD
AIOE
AIOF
AIOG
AIOH
AIOI
AIOJ
AIOK
AIOV
AIO0
AIO1
AIO2
AIO3
AIO4
AISR
AISZ
AITD
AITE
AITF
AITG
AJA0
AJMA
AJMB
AJM1
AJM2
AJM3
AJM4
AJM5
AJM6
AJM7
AJM8
AJM9
AJ01
AJ02
AJ03
AJ04
AJ05
AJ07
AJ09
AJ99
AKEH
AKEI
ANQC
ANQD
ANQE
APXA
ARUA
ARUB
ARUC
ARXA
ARXB
ARXC
ASHA
ASHB
ASHR
ASHU
ASH2
ASH3
ASH4
ASND
ASOA
ASP9
ATC3
ATSA
ATSB
AUEL
AWBA
AWBB
AWBE
AWC6
AZCO

New messages

The following messages have been added.

DFHAC2031
DFHAC2032
DFHAC2045
DFHAM4874 E
DFHAM4894 E
DFHAM4895 E
DFHAM4901 E
DFHAM4903 E
DFHAM4904 W
DFHAM4905 E
DFHAM4906 W
DFHAM4907 W
DFHAM4908 E
DFHAM4909 E
DFHAM4910 E
DFHAP1214
DFHAP1215
DFHAP1216
DFHAP1217
DFHAP1218
DFHAP1400
DFHAP1401
DFHAP1402
DFHAP1403
DFHAP1404
DFHAP1405
DFHAP1406
DFHAP1407
DFHAP1408
DFHAP1409
DFHBA0001
DFHBA0002
DFHBA0101
DFHBA0102
DFHBA0103
DFHBA0104
DFHBA0201
DFHBA0202
DFHBA0203
DFHBA0204
DFHBA0205
DFHBA0206
DFHBA0207
DFHBA0208
DFHBA0209
DFHBA0210
DFHBA0211
DFHBA0212
DFHBA0213
DFHBA0214
DFHBA0215
DFHBA0216
DFHBA0217
DFHBA0218
DFHBA0219
DFHBA0220
DFHBA0221
DFHBA0222
DFHBA0223
DFHBA0224
DFHBA0225
DFHBA0226
DFHBA0227
DFHBA0228
DFHBA0229
DFHBA0230
DFHBA0231
DFHBA0232
DFHBA0233
DFHBA0234
DFHCA5542 E
DFHCA5543 E
DFHCC0104
DFHCE3587
DFHCF0101I
DFHCF0102I
DFHCF0103
DFHCF0104
DFHCF0111I
DFHCF0112I
DFHCF0113
DFHCF0201I
DFHCF0202
DFHCF0203
DFHCF0204
DFHCF0205
DFHCF0206
DFHCF0207
DFHCF0208
DFHCF0209
DFHCF0210
DFHCF0211I
DFHCF0212
DFHCF0213
DFHCF0214
DFHCF0215
DFHCF0216
DFHCF0217
DFHCF0218
DFHCF0301I
DFHCF0302I
DFHCF0303I
DFHCF0304I
DFHCF0305I
DFHCF0306
DFHCF0307I
DFHCF0308
DFHCF0321
DFHCF0331I
DFHCF0332I
DFHCF0333
DFHCF0334
DFHCF0335I
DFHCF0336I
DFHCF0337I
DFHCF0338I
DFHCF0341I
DFHCF0342I
DFHCF0343I
DFHCF0351I
DFHCF0352I
DFHCF0361I
DFHCF0362I
DFHCF0363I
DFHCF0364
DFHCF0365I
DFHCF0366I
DFHCF0367I
DFHCF0368I
DFHCF0371I
DFHCF0372I
DFHCF0373I
DFHCF0374
DFHCF0381I
DFHCF0382I
DFHCF0383I
DFHCF0384I
DFHCF0385I
DFHCF0386I
DFHCF0387I
DFHCF0388I
DFHCF0389
DFHCF0390I
DFHCF0391
DFHCF0392
DFHCF0393
DFHCF0394
DFHCF0395I
DFHCF0396I
DFHCF0397I
DFHCF0398I
DFHCF0399
DFHCF0401I
DFHCF0402I
DFHCF0403
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DFHCF0405
DFHCF0406
DFHCF0407
DFHCF0408
DFHCF0409
DFHCF0410
DFHCF0411I
DFHCF0412I
DFHCF0413I
DFHCF0414I
DFHCF0415I
DFHCF0416
DFHCF0417I
DFHCF0418I
DFHCF0419I
DFHCF0424
DFHCF0425
DFHCF0431I
DFHCF0432I
DFHCF0441
DFHCF0442
DFHCF0443
DFHCF0444I
DFHCF0445I
DFHCF0446
DFHCF0447
DFHCF0451
DFHCF0461I
DFHCF0462
DFHCF0471
DFHCF0501
DFHCF0502
DFHCF0503
DFHCF0504
DFHCF0505
DFHCF0506
DFHCF0507
DFHCF0508
DFHCF0511
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DFHCF0521
DFHCF0601I
DFHCF0602I
DFHCF0603I
DFHCF0604
DFHCF0605
DFHCF0606
DFHCF0610I
DFHCF0651
DFHCF0652
DFHCF0701I
DFHCF0702I
DFHCF0703I
DFHCF0704
DFHCF0705
DFHCF0706
DFHCF0721
DFHCF0731
DFHCF0801I
DFHCF0802I
DFHCF0803I
DFHCF0804
DFHCF0805
DFHCF0806
DFHCF0807
DFHCF0808
DFHCF0809
DFHCF0810
DFHCF0821
DFHCF0822
DFHCF0831
DFHCF0832
DFHCF0911I
DFHCF0912I
DFHCF0913I
DFHCF0921I
DFHCF0922I
DFHCF0931I
DFHCF0932I
DFHCF0933I
DFHCF0941I
DFHCF0942I
DFHCF0943I

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DFHCZ0114
DFHCZ0115
DFHCZ0116
DFHCZ0117
DFHCZ0118
DFHCZ0120
DFHCZ0121
DFHCZ0122
DFHCZ0123
DFHCZ0125
DFHCZ0126
DFHCZ0127
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DFHCZ0140
DFHCZ0141
DFHCZ0142
DFHCZ0143
DFHCZ0200
DFHCZ0201
DFHCZ0202
DFHCZ0203
DFHCZ0204
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DFHCZ0240
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DFHCZ0248
DFHCZ0249
DFHCZ0250
DFHCZ0253
DFHCZ0254
DFHCZ0255
DFHCZ0256
DFHCZ0257
DFHCZ0258
DFHCZ0259
DFHCZ0260
DFHCZ0261
DFHCZ0262
DFHCZ0263
DFHCZ0264
DFHCZ0265
DFHCZ0266
DFHCZ0267
DFHCZ0268
DFHCZ0269
DFHCZ0270
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DFHCZ0275
DFHCZ0276
DFHCZ0277
DFHCZ0278
DFHCZ0279
DFHCZ0280
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DFHCZ0282
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DFHCZ0284
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DFHEM0002
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DFHEM0101I
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DFHFC7110

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DFHFC7121
DFHFC7130
DFHKE0412I
DFHKE0413
DFHLG0745I
DFHLG0746
DFHLG0747I
DFHLG0748I
DFHLG0749I
DFHNC0101I
DFHNC0102I
DFHNC0103
DFHNC0104
DFHNC0111I
DFHNC0112I
DFHNC0113
DFHNC0201I
DFHNC0202
DFHNC0203
DFHNC0204
DFHNC0205
DFHNC0206
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DFHNC0208
DFHNC0209
DFHNC0210
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DFHNC0212
DFHNC0213
DFHNC0301I
DFHNC0302I
DFHNC0303I
DFHNC0304I
DFHNC0305I
DFHNC0306
DFHNC0307I
DFHNC0308
DFHNC0351I
DFHNC0352I
DFHNC0361I
DFHNC0362I
DFHNC0363I
DFHNC0364
DFHNC0365I
DFHNC0401I
DFHNC0402I
DFHNC0403
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DFHNC0407
DFHNC0408
DFHNC0409
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DFHNC0418I
DFHNC0419I
DFHNC0424
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DFHNC0432I
DFHNC0441
DFHNC0442
DFHNC0451
DFHNC0461I
DFHNC0462
DFHNC0601I
DFHNC0602I
DFHNC0603I
DFHNC0604
DFHNC0605
DFHNC0606
DFHNC0610I
DFHNC0701I
DFHNC0702I
DFHNC0703I
DFHNC0704
DFHNC0705
DFHNC0706
DFHNC0801I
DFHNC0802I
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DFHNC0805
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DFHNC0808
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DFHNC0913I
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DFHNC0942I
DFHNC0943I
DFHNC0944I
DFHNC0999I
DFHNQ0101
DFHNQ0102
DFHNQ0103
DFHNQ0104
DFHNQ0105
DFHNQ0106
DFHNQ0107
DFHRD0115
DFHRD0116
DFHRD0117
DFHRD0118 I
DFHRD0119 I
DFHRD0120 I
DFHRM0129
DFHRM0154
DFHRM0156
DFHRT4423
DFHRX0001
DFHRX0002
DFHRX0100I
DFHRX0101I
DFHRX0102
DFHRX0103
DFHRX0104I
DFHRX0105I
DFHRX0106I
DFHRX0107I
DFHRX0108
DFHRX0109
DFHRX0110
DFHSH0001
DFHSH0002
DFHSH0101
DFHSH0102
DFHSH0103
DFHSH0104
DFHSH0105
DFHSH0106
DFHSH0107
DFHSH0108
DFHSH0109
DFHSH0110
DFHSH0111
DFHSM0300
DFHSN1133
DFHSO0001
DFHSO0002
DFHSO0004
DFHSO0100I
DFHSO0101I
DFHSO0103
DFHSO0104
DFHSO0106
DFHSO0107
DFHSO0108
DFHSO0109
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DFHSO0111
DFHSO0112
DFHSO0113
DFHSO0114
DFHSO0115
DFHSO0116
DFHSO0117
DFHSO0119
DFHTD0245
DFHTS0103
DFHUS0120
DFHWB0109I
DFHWB0110I
DFHWB0111
DFHWB0117
DFHWB0118
DFHWB0119
DFHWB0135
DFHWB0137
DFHWB0150
DFHWB0151
DFHWB0723
DFHWB0724
DFHWB0725
DFHWB0726
DFHWB0727
DFHWB0728
DFHWB0730
DFHWB0731
DFHWB0732
DFHWB1200
DFHWB1551
DFHXM0311
DFHZC0187
DFHZC2118
DFHZC4949 E
DFHZC4950 E
DFHZC4951 E
DFH5545 W

Deleted abends

The following abends have been deleted.

ABRA
ABRB
ABRL
ABRM
ABRT

ABR2
AD3C
AD3Y
AWBD
AWBG

AWBW
AWB1

Deleted messages

The following messages have been deleted.

DFHCA5541 E
DFHDB2002
DFHDB2046
DFHDB2200
DFHDB2201

DFHDB2202
DFHDB2203
DFHDB2204
DFHDB2205
DFHDB2206

DFHDB2209
DFHFC0948 E
DFHSI9000I
DFHWB0104
DFHWB0105

DFHWB0107
DFHWB0501
DFHWB0502
DFHWB0503I
DFHWB0504

DFHWB0510
DFHWB0511
DFHWB0512
DFHWB0513
DFHWB0520

DFHWB0521
DFHWB0522
DFHWB0523
DFHWB0524
DFHWB0525

DFHWB0526
DFHWB0527
DFHWB0528
DFHWB0529
DFHWB0530

DFHWB0531
DFHWB0532
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DFHWB0538
DFHWB0539

DFHWB0540

DFHWB0541
DFHWB0550
DFHWB1000
DFHWB1001
DFHWB1002

DFHWB1003
DFHWB1005
DFHWB1006
DFHWB1500
DFHWB1502

DFHWB1505
DFHWB1506
DFHWB1507
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DFHWB1509

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DFHWB1511
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DFHWB1580
DFHWB1581

DFHWB1582
DFHWB1596
DFHWB1607
DFHWB1608
DFHWB1609

DFHWB1610
DFHWB1650
DFHWB1651
DFHWB1900
DFHWB1901

DFHWB1902

Changed messages

The following messages have been changed.

DFHAC2022
DFHAM4834E
DFHAM4889E
DFHAM4897W
DFHAM4898E
DFHAU5012
DFHCA5217E
DFHDB2001
DFHDB2016
DFHDB2031
DFHFC0535
DFHFC0970
DFHME0110
DFHPA1901
DFHPA1924I
DFHPD0129
DFHRM0104
DFHRM0105
DFHRM0106
DFHRM0107
DFHRM0108
DFHRM0109
DFHRM0110
DFHRM0111
DFHRM0112
DFHRM0113
DFHRM0114
DFHRM0115
DFHRM0116
DFHRM0117
DFHRM0118
DFHRM0119
DFHRM0120
DFHRM0121
DFHRM0122
DFHRM0123
DFHRM0124
DFHRM0125
DFHRM0126
DFHRM0127
DFHRM0135
DFHRM0139
DFHRM0148
DFHRM0208
DFHRM0209
DFHRM0212
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DFHRM0222
DFHRM0223
DFHRM0225
DFHRM0226
DFHRM0227
DFHRM0235
DFHRT4416
DFHRT4417
DFHRT4418
DFHRT4419
DFHRT4420
DFHTC2538
DFHWB0100
DFHWB0101
DFHWB0102
DFHWB0103
DFHWB0106
DFHWB0108
DFHWB0120
DFHWB0121
DFHWB0122
DFHWB0123
DFHWB0124
DFHWB0125
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DFHWB0128
DFHWB0130
DFHWB0131
DFHWB0132
DFHWB0133
DFHWB0134
DFHWB0136
DFHWB1020
DFHWB1021
DFHWB7006
DFHWB7007
DFHXQ0207
DFHZC4906E
DFHZC6361E
DFHZC6362E
DFHZC6363E
DFHZC6364E
DFHZC6365E
DFHZC6366E
DFHZC6367E
DFHZC6368E
DFHZC6369E
DFHZC6370E
DFHZC6371E
DFHZC6902E
DFHZC6903W
DFHZC6904W
DFHZC6905W
DFHZC6914E
DFHZC6935I
DFHZC6936I
DFHZC6943W
DFHZC6944W
DFHZC6945W
DFHZC6946W
DFHZC6958W
DFHZC6966I
DFHZC6987W
DFH5217E
DFH5541E

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