

CICS for MVS/ESA

SX33-1188-03

User's Handbook

Version 4 Release 1

CICS for MVS/ESA

SX33-1188-03

User's Handbook

Version 4 Release 1



Note!

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

Second edition (April 1997)

This edition applies to Version 4 Release 1 of the IBM licensed program Customer Information Control System/Enterprise Systems Architecture (CICS/ESA), program number 5655-018, and to all subsequent versions, releases, and modifications until otherwise indicated in new editions. Consult the latest edition of the applicable IBM system bibliography for current information on this product.

This is the second edition of the User's Handbook for CICS/ESA 4.1. It is based on the first edition, SX33-1188-00, which is now obsolete. Changes from the first edition are marked by the '+' sign to the left of the changes.

The CICS/ESA 3.3 edition remains applicable and current for users of CICS/ESA 3.3.

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Programming interface information

This book is intended to help you refer quickly to CICS system administration and operating information.

This book also documents General-use Programming Interface and Associated Guidance Information, Product-sensitive Programming Interface and Associated Guidance Information, and Diagnosis, Modification or Tuning Information provided by CICS.

General-use programming interfaces allow the customer to write programs that obtain the services of CICS.

General-use Programming Interface and Associated Guidance Information is identified where it occurs, by an introductory statement to a chapter or section.

Product-sensitive programming interfaces allow the customer installation to perform tasks such as diagnosing, modifying, monitoring, repairing, tailoring, or tuning of CICS. Use of such interfaces creates dependencies on the detailed design or implementation of the IBM software product.

Product-sensitive programming interfaces should be used only for these specialized purposes. Because of their dependencies on detailed design and implementation, it is to be expected that programs written to such interfaces may need to be changed in order to run with new product releases or versions, or as a result of service.

Product-sensitive Programming Interface and Associated Guidance Information is identified where it occurs, by an introductory statement to a chapter or section.

Diagnosis, Modification or Tuning Information is provided to help you diagnose problems in a CICS system.

Warning: Do not use this Diagnosis, Modification or Tuning Information as a programming interface.

Diagnosis, Modification or Tuning Information is identified where it occurs, by an introductory statement to a chapter or section.

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Preface

What this handbook is about

This book helps you refer quickly to topics you are already familiar with. It provides a summary of information contained elsewhere in the CICS library.

Who this handbook is for

This book is for:

- System programmers
- CICS or system operators
- Application programmers.

What you need to know to understand this handbook

You need to have a good understanding of how CICS works. This assumes familiarity with most, if not all, of the books in the CICS library, together with adequate practical experience of running a CICS system.

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 in step, but subsequent updates will probably be available in softcopy before they are available in hardcopy.

For CICS 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.

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the last two characters of the publication's filename. The higher the number, the more recent the publication. For example, DFHPF104 is more recent than DFHPF103. Next to the publication titles in the CD-ROM booklet and the readme files, asterisks indicate publications that are new or changed.

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

Handbook structure

Chapter 1, “Command-level application programming” on page 1

Gives a summary of command-level application programming commands in CICS for MVS/ESA. For programming information, see the *CICS for MVS/ESA Application Programming Reference*.

Chapter 2, “Command-level system programming” on page 67

Gives a summary of command-level system programming commands. For programming information, see the *CICS for MVS/ESA System Programming Reference* manual.

Chapter 3, “CICS-supplied transactions” on page 111

Gives a summary of the CICS-supplied transactions. For more detailed information, see the *CICS for MVS/ESA CICS-Supplied Transactions*.

Chapter 4, “Resource definition online” on page 137

Gives a summary of the syntax for resource definition online. For more detailed information, see the *CICS for MVS/ESA Resource Definition Guide*.

Chapter 5, “Front End Programming Interface Command Reference” on page 143

Gives a summary of the syntax for front end programming interface command references. For more detailed information, see the *CICS for MVS/ESA Front End Programming Interface User's Guide*.

Chapter 6, “CICS-value data areas used by all commands” on page 157

Gives a table of CVDA values. For programming information, see the *CICS for MVS/ESA System Programming Reference* manual.

Chapter 7, “EXEC interface block (EIB)” on page 183

Gives information about EIB fields, and gives the meanings of EIBFN, EIBRCODE, RESP, and RESP2 values. For programming information, see the *CICS for MVS/ESA Application Programming Reference*.

Chapter 8, “EXEC interface block (EIB) response and function codes” on page 263

Gives information about EIB response and function codes. For more detailed information, see the *CICS for MVS/ESA System Programming Reference* and the *CICS for MVS/ESA Problem Determination Guide*.

Chapter 9, “DFH messages” on page 271

Gives a summary of the terminal error messages and codes. For more detailed information, see the *CICS for MVS/ESA Messages and Codes*.

Chapter 10, “Transaction abend codes” on page 283

Gives a summary of CICS transaction abend codes. For more detailed information, see the *CICS for MVS/ESA Messages and Codes*.

Chapter 11, “VTAM-associated errors” on page 315

Gives a summary of VTAM errors and associated CICS messages. For more detailed information, see the *CICS for MVS/ESA Messages and Codes*.

Chapter 12, “VTAM submodule identifiers” on page 337

Gives information about the product-sensitive product interface.

Chapter 13, “AP domain storage classes” on page 341

Shows the valid AP domain storage classes.

Summary of changes

Changes made for this second edition of the CICS/ESA 4.1 User's Handbook

This book is the second edition of the *User's Handbook* for CICS/ESA 4.1. Changes made for the second edition are indicated by the '+' symbol to the left of the changes. Users of the first edition can therefore see what has changed since that first edition was published. Softcopy versions of this book use both this revision indicator and the '#' symbol to show further changes since this second hardcopy edition of the book was published.

Changes made for the first edition of the CICS/ESA 4.1 User's Handbook

This handbook includes information about the new or enhanced facilities introduced by CICS/ESA 4.1.

The commands for application programming and system programming are shown in alphabetic order.

In the section Chapter 6, "CICS-value data areas used by all commands" on page 157, tables of CVDA values have been added.

Syntax boxes for EXEC CICS commands are replaced with "railroad" diagrams. For an explanation of these diagrams, see the *CICS for MVS/ESA Application Programming Reference* manual.

Trace has been removed from this handbook and has been moved into the *CICS for MVS/ESA Diagnosis Reference* manual.

Front end programming interface (FEPI) commands have been added.

Bibliography

CICS/ESA 4.1 library

Evaluation and planning		
<i>Release Guide</i>	GC33-1161	April 1997
<i>Migration Guide</i>	GC33-1162	April 1997
General		
<i>CICS Family: Library Guide</i>	GC33-1226	April 1995
<i>Master Index</i>	SC33-1187	October 1994
<i>User's Handbook</i>	SX33-1188	April 1997
<i>Glossary (softcopy only)</i>	GC33-1189	n/a
Administration		
<i>Installation Guide</i>	GC33-1163	April 1997
<i>System Definition Guide</i>	SC33-1164	April 1997
<i>Customization Guide</i>	SC33-1165	April 1997
<i>Resource Definition Guide</i>	SC33-1166	April 1997
<i>Operations and Utilities Guide</i>	SC33-1167	April 1997
<i>CICS-Supplied Transactions</i>	SC33-1168	April 1997
Programming		
<i>Application Programming Guide</i>	SC33-1169	October 1994
<i>Application Programming Reference</i>	SC33-1170	April 1997
<i>System Programming Reference</i>	SC33-1171	April 1997
<i>Sample Applications Guide</i>	SC33-1173	October 1994
<i>Distributed Transaction Programming Guide</i>	SC33-1174	October 1994
<i>Front End Programming Interface User's Guide</i>	SC33-1175	October 1994
Diagnosis		
<i>Problem Determination Guide</i>	SC33-1176	October 1994
<i>Messages and Codes</i>	GC33-1177	April 1997
<i>Diagnosis Handbook</i>	LX33-6093	October 1994
<i>Diagnosis Reference</i>	LY33-6082	April 1997
<i>Data Areas</i>	LY33-6083	April 1997
<i>Supplementary Data Areas</i>	LY33-6081	October 1994
<i>Closely-Connected Program Interface</i>	LY33-6084	November 1996
Communication		
<i>Intercommunication Guide</i>	SC33-1181	April 1997
<i>Server Support for CICS Clients</i>	SC33-1591	February 1996
<i>CICS Family: Inter-product Communication</i>	SC33-0824	October 1996
<i>CICS Family: Communicating from CICS on System/390</i>	SC33-1697	October 1996
Special topics		
<i>Recovery and Restart Guide</i>	SC33-1182	October 1994
<i>Performance Guide</i>	SC33-1183	October 1994
<i>CICS-IMS Database Control Guide</i>	SC33-1184	October 1994
<i>CICS-RACF Security Guide</i>	SC33-1185	October 1994
<i>Shared Data Tables Guide</i>	SC33-1186	October 1994
<i>External CICS Interface</i>	SC33-1390	April 1997
<i>CICS ONC RPC Feature for MVS/ESA Guide</i>	SC33-1119	February 1996
<i>CICS Web Interface Guide</i>	SC33-1892	November 1996

The book that you are reading was republished in hardcopy format in April 1997 to incorporate updated information previously available only in softcopy. The right-hand column in the above table indicates the latest hardcopy editions of the CICS/ESA books available in April 1997. A book

with a date earlier than April 1997 remains the current edition for CICS/ESA 4.1. Note that it is possible that other books in the library will be updated after April 1997.

When a new order is placed for the CICS/ESA 4.1 product, the books shipped with that order will be the latest hardcopy editions.

The style of IBM covers changes periodically. Books in this library have more than one style of cover.

For information about the softcopy books, see "Determining if a publication is current" on page ix. The softcopy books are regularly updated to include the latest information.

Other CICS books

- *CICS Application Migration Aid Guide*, SC33-0768
- *CICS Application Programming Primer (VS COBOL II)*, SC33-0674
- *CICS/ESA Facilities and Planning Guide for CICS/ESA Version 3 Release 3*, SC33-0654
- *CICS/ESA XRF Guide for CICS/ESA Version 3 Release 3*, SC33-0661
- *CICS Family: API Structure*, SC33-1007
- *CICS Family: General Information*, GC33-0155
- *IBM CICS Transaction Affinities Utility MVS/ESA*, SC33-1159

CICS Clients

- *CICS Clients: Administration*, SC33-1436
- *CICS Family: Client/Server Programming*, SC33-1435

Application Programming

Chapter 1. Command-level application programming

This chapter contains General-use Programming Interface information.

General format

The format of a CICS command, which can be coded in a COBOL, C/370, PL/I, or assembler application program, is as follows:

COBOL:

```
EXEC CICS function[option[(arg)]]... END-EXEC
```

C:

```
EXEC CICS function[option[(arg)]]... ;
```

PL/I:

```
EXEC CICS function[option[(arg)]]... ;
```

Assembler:

```
EXEC CICS function[option[(arg)]]...
```

DL/I command format

The format of a DL/I command, which can be coded only in a COBOL, C/370, or PL/I application program, is as follows:

```
EXEC DLI function[option[(arg)]]...
```

For multiple segment commands, options are repeated for each segment.

RPG II command format

The format of a CICS command in an RPG II application program consists of an EXEC statement, followed optionally by one or more ELEM statements, coded on an RPG calculation specification form (the C-spec).

Application Programming

Restrictions for distributed program link (DPL)

The following commands are not supported in a program running in a resource region in response to a distributed program link command:

ADDRESS	ISSUE
ALLOCATE	PURGE MESSAGE
ASSIGN	RECEIVE
CONNECT PROCESS	ROUTE
CONVERSE	SEND
EXTRACT PROCESS	SIGNOFF
FREE CONVID	SIGNON
HANDLE AID	WAIT TERMINAL

API syntax

API command syntax

ABEND

▶ ABEND [ABCODE(*name*)] [CANCEL] [NODUMP] ▶▶

ADDRESS

▶ ADDRESS [COMMAREA(*ptr-ref*)] [ACEE(*ptr-ref*)] [CWA(*ptr-ref*)]
[EIB(*ptr-ref*)] [TCTUA(*ptr-ref*)] [TWA(*ptr-ref*)] ▶▶

Conditions:
INVREQ

ADDRESS SET

▶ ADDRESS [SET(*data-area*)—USING(*ptr-ref*)] [SET(*ptr-ref*)—USING(*data-area*)] ▶▶

Apar PN58071

Documentation for Apar PN58071 is in the next diagram

ALLOCATE (APPC)

▶ ALLOCATE [SYSID(*systemname*)] [PARTNER(*name*)] [PROFILE(*name*)] [NOQUEUE]
[STATE(*cvda*)] ▶▶

Conditions:
CBIDERR, INVREQ, NETNAMEIDERR, PARTNERIDERR,
SYSBUSY, SYSIDERR

ALLOCATE (LUTYPE6.1)

▶ ALLOCATE [SESSION(*name*)] [SYSID(*systemname*)] [PROFILE(*name*)] [NOQUEUE] ▶▶

Conditions:
CBIDERR, EOC, INVREQ, SESSBUSY, SESSIONERR,
SYSBUSY, SYSIDERR

API syntax

ALLOCATE (MRO)

▶ ALLOCATE—SYSID(*systemname*) — NOQUEUE — STATE(*cvda*) ▶▶

Conditions:

INVREQ, SYSBUSY, SYSIDERR

ASKTIME

▶ ASKTIME — ABSTIME(*data-area*) ▶▶

ASSIGN

▶ ASSIGN — ABCODE(*data-area*) — ABDUMP(*data-area*) —

— ABPROGRAM(*data-area*) — ALTSCRNHT(*data-area*) —

— ALTSCRNWD(*data-area*) — APLKYBD(*data-area*) — APLTEXT(*data-area*) —

— APPLID(*data-area*) — ASRAINTRPT(*data-area*) — ASRAKEY(*data-area*) —

— ASRAPSW(*data-area*) — ASRAREGS(*data-area*) — ASRASPC(*cvda*) —

— ASRASTG(*cvda*) — BTRANS(*data-area*) — CMDSEC(*data-area*) —

— COLOR(*data-area*) — CWALENG(*data-area*) — DEFSCRNHT(*data-area*) —

— DEFSCRNWD(*data-area*) — DELIMITER(*data-area*) —

— DESTCOUNT(*data-area*) — DESTID(*data-area*) —

— DESTIDLENG(*data-area*) — DSSCS(*data-area*) — DS3270(*data-area*) —

— EXTDS(*data-area*) — EWASUPP(*data-area*) — FACILITY(*data-area*) —

— FCI(*data-area*) — GCHARS(*data-area*) — GCODES(*data-area*) —

— GMMI(*data-area*) — HIGHLIGHT(*data-area*) — INITPARM(*data-area*) —

— INITPARMLEN(*data-area*) — INPARTN(*data-area*) —

— INVOKINGPROG(*data-area*) — KATAKANA(*data-area*) —

— LANGINUSE(*data-area*) — LDCMNEM(*data-area*) — LDCNUM(*data-area*) —

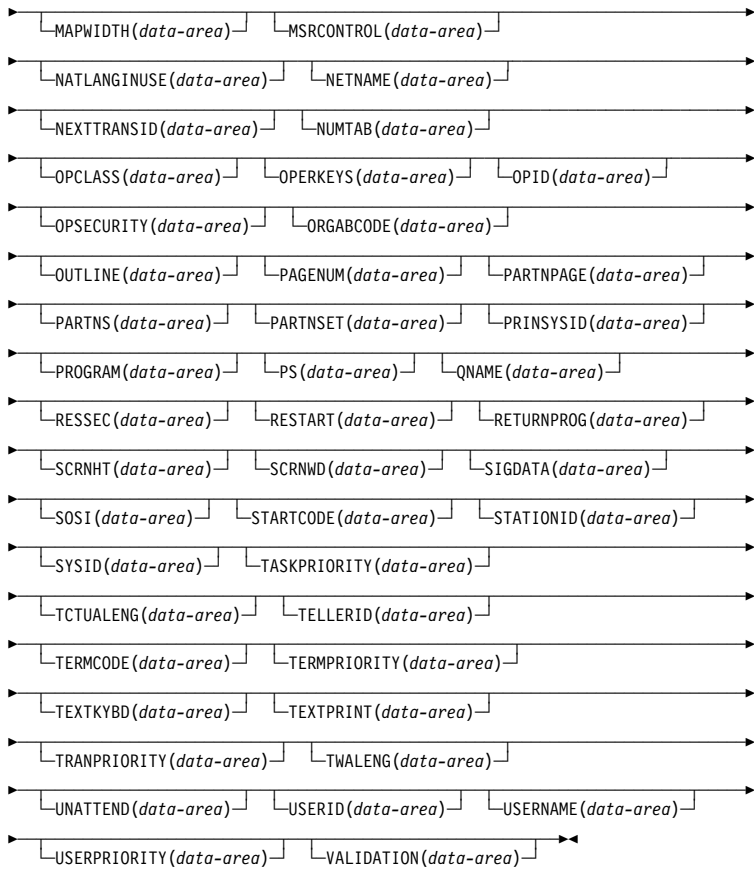
— MAPCOLUMN(*data-area*) — MAPHEIGHT(*data-area*) —

— MAPLINE(*data-area*) —

+

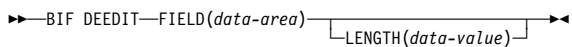
API syntax

ASSIGN



Conditions:
INVREQ

BIF DEEDIT



Conditions:
LENGERR

API syntax

BUILD ATTACH (LUTYPE6.1)

► BUILD ATTACH ATTACHID(*name*) — PROCESS(*name*) — RESOURCE(*name*) —
RPROCESS(*name*) — RRESOURCE(*name*) — QUEUE(*name*) —
IUTYPE(*data-value*) — DATASTR(*data-value*) — RECFM(*data-value*)

BUILD ATTACH (MRO)

► BUILD ATTACH ATTACHID(*name*) — PROCESS(*name*) — RESOURCE(*name*) —
RPROCESS(*name*) — RRESOURCE(*name*) — QUEUE(*name*) —
IUTYPE(*data-value*) — DATASTR(*data-value*) — RECFM(*data-value*)

CANCEL

► CANCEL — REQID(*name*) — TRANSID(*name*) — SYSID(*systemname*)

Conditions:

ISCINVREQ, NOTAUTH, NOTFND, SYSIDERR

CHANGE PASSWORD

► CHANGE PASSWORD(*data-value*) — NEWPASSWORD(*data-value*) — USERID(*data-value*) —
ESMREASON(*data-area*) — ESMRESP(*data-area*)

Conditions:

INVREQ, NOTAUTH, USERIDERR

CHANGE TASK

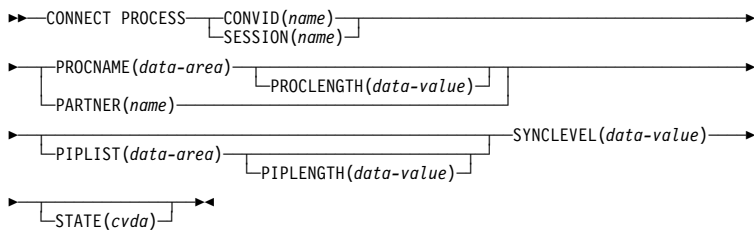
► CHANGE TASK — PRIORITY(*data-value*)

Conditions:

INVREQ

API syntax

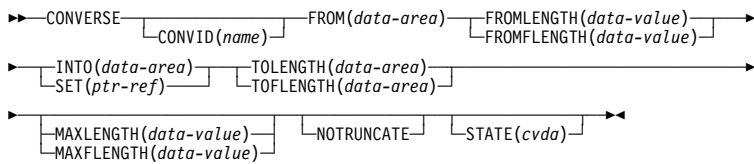
CONNECT PROCESS (APPC)



Conditions:

INVREQ, LENGERR, NOTALLOC, PARTNERIDERR, TERMERR

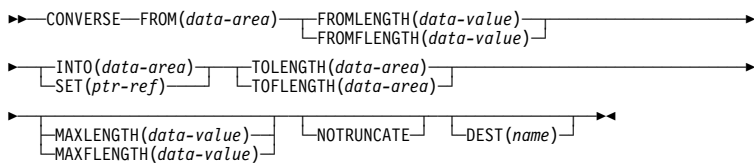
CONVERSE (APPC)



Conditions:

EOC, INVREQ, LENGERR, NOTALLOC, SIGNAL, TERMERR

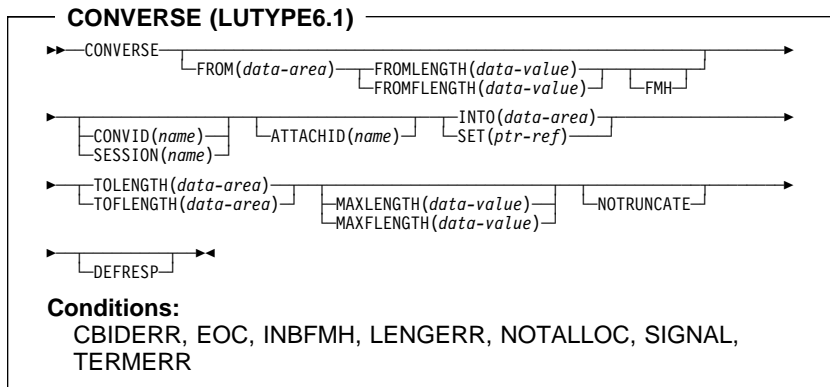
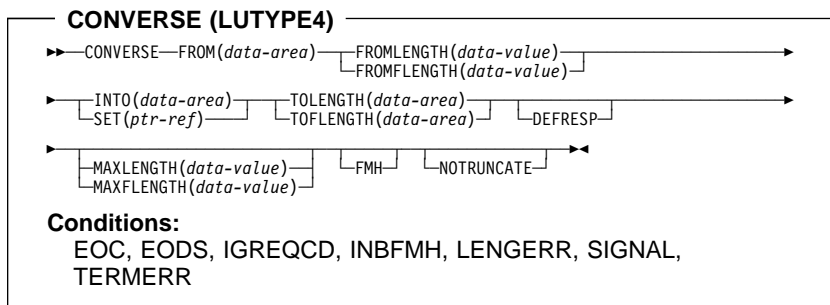
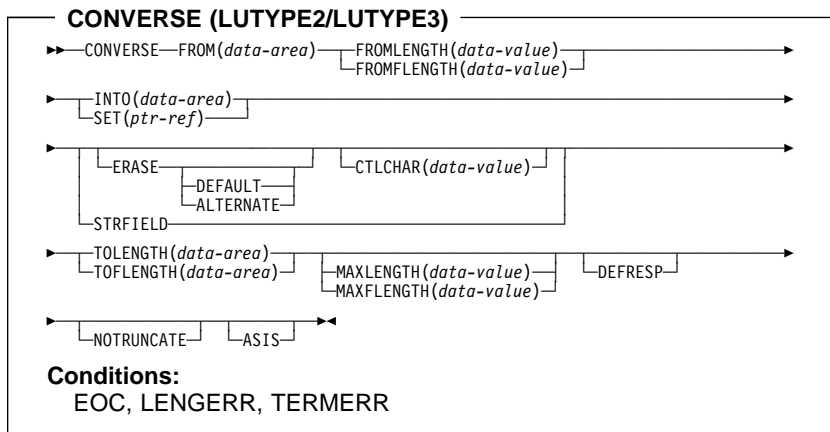
CONVERSE (default)



Conditions:

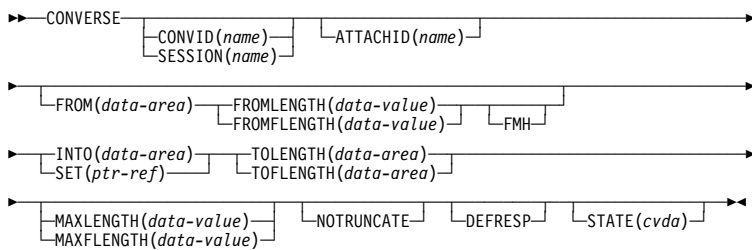
LENGERR

API syntax



API syntax

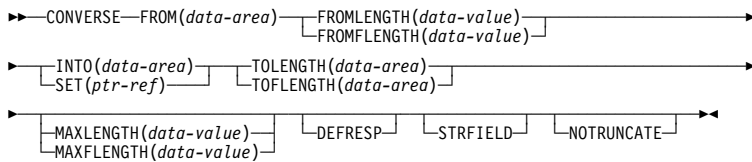
CONVERSE (MRO)



Conditions:

CBIDERR, EOC, INBFMH, LENGERR, NOTALLOC, TERMERR

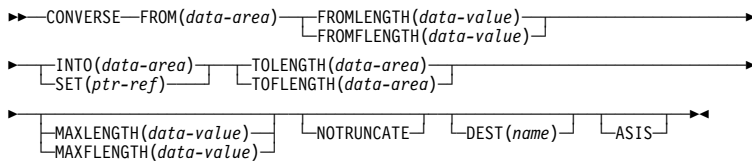
CONVERSE (SCS)



Conditions:

LENGERR, TERMERR

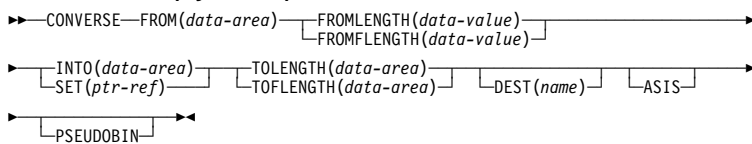
CONVERSE (System/3)



Conditions:

LENGERR

CONVERSE (System/7)

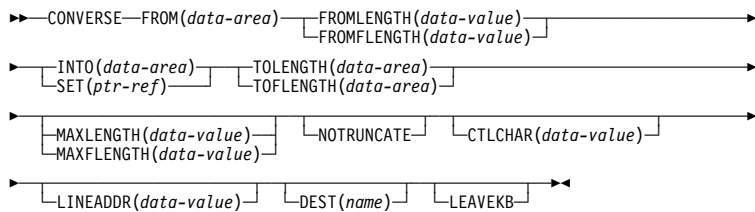


Conditions:

LENGERR

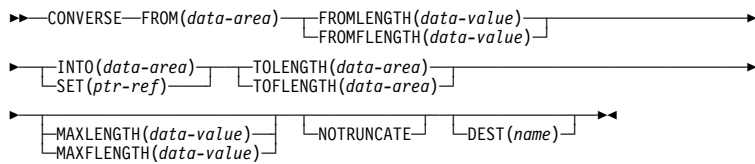
API syntax

CONVERSE (2260)



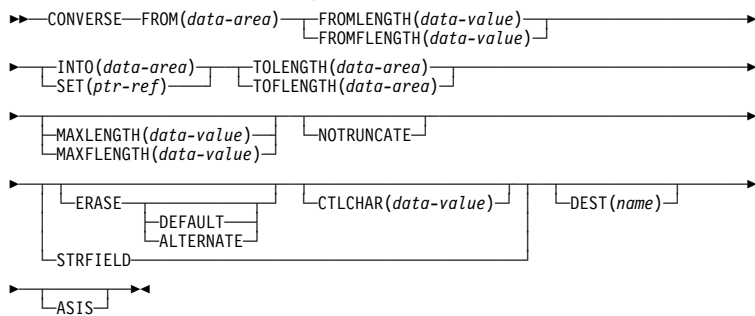
Conditions:
LENGERR

CONVERSE (2741)



Conditions:
LENGERR, RDATT, WRBRK

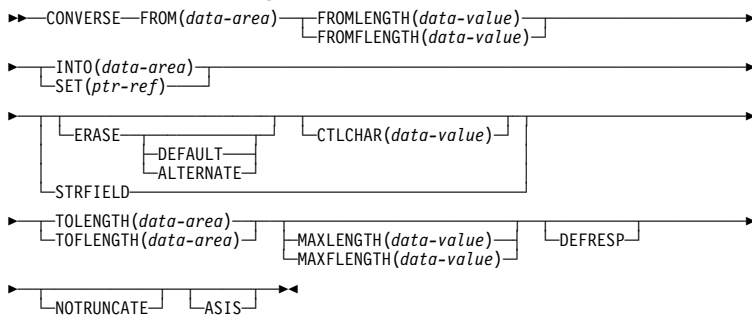
CONVERSE (3270 display)



Conditions:
LENGERR

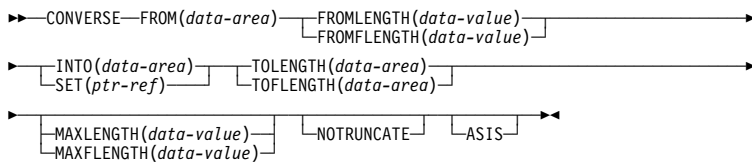
API syntax

CONVERSE (3270 logical)



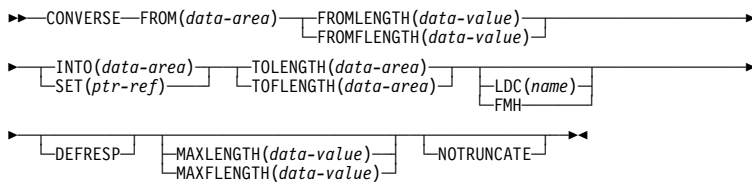
Conditions:
LENGERR, TERMERR

CONVERSE (3600 BTAM)



Conditions:
LENGERR

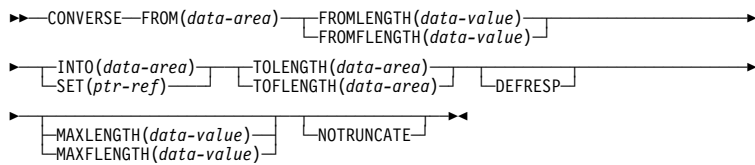
CONVERSE (3600-3601)



Conditions:
EOC, EODS, INBFMH, LENGERR, SIGNAL, TERMERR

API syntax

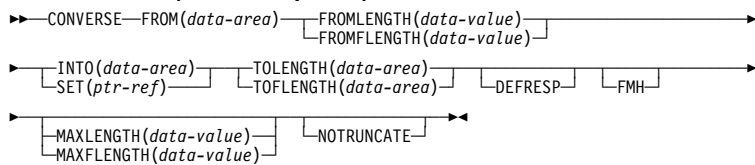
CONVERSE (3600-3614)



Conditions:

LENGERR, TERMERR

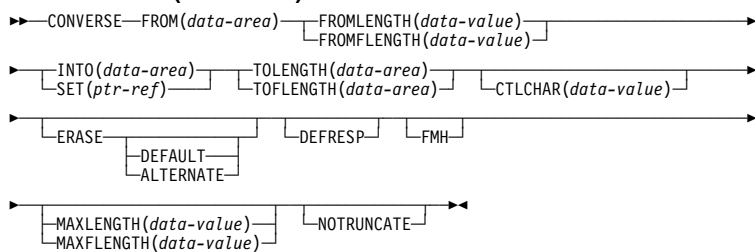
CONVERSE (3650 interpreter)



Conditions:

EOC, EODS, INBFMH, LENGERR, TERMERR

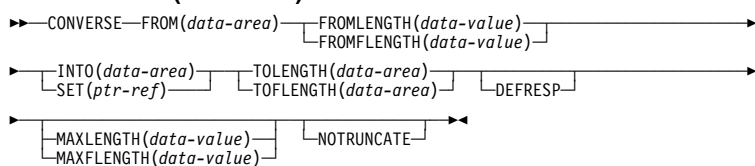
CONVERSE (3650-3270)



Conditions:

LENGERR, TERMERR

CONVERSE (3650-3653)

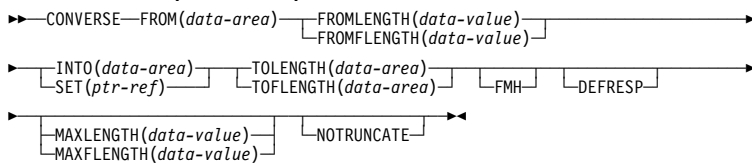


Conditions:

EOC, LENGERR, TERMERR

API syntax

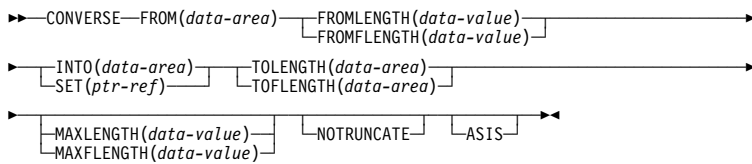
CONVERSE (3650-3680)



Conditions:

LENGERR, TERMERR

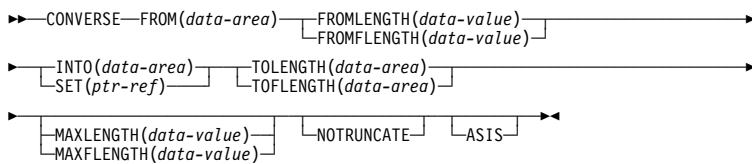
CONVERSE (3735)



Conditions:

EOF, LENGERR

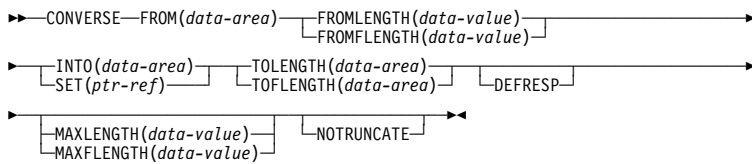
CONVERSE (3740)



Conditions:

LENGERR

CONVERSE (3767)

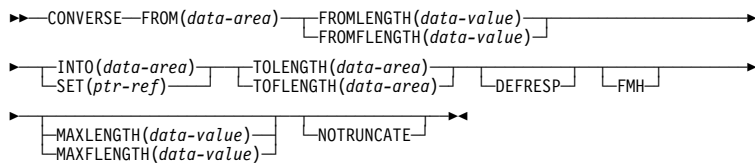


Conditions:

EOC, LENGERR, SIGNAL, TERMERR

API syntax

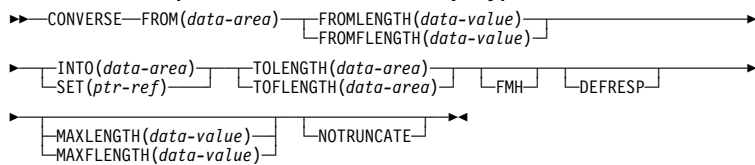
CONVERSE (3770)



Conditions:

EOC, EODS, INBFMH, LENGERR, SIGNAL, TERMERR

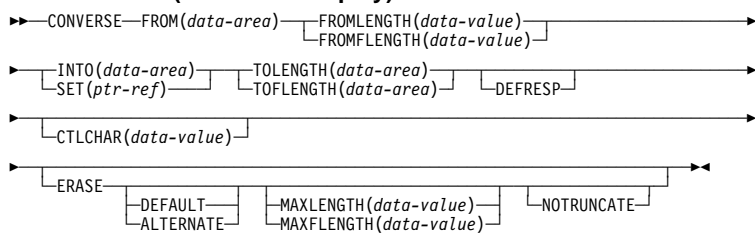
CONVERSE (3790 full-function or inquiry)



Conditions:

EOC, EODS, INBFMH, LENGERR, SIGNAL, TERMERR

CONVERSE (3790 3270-display)

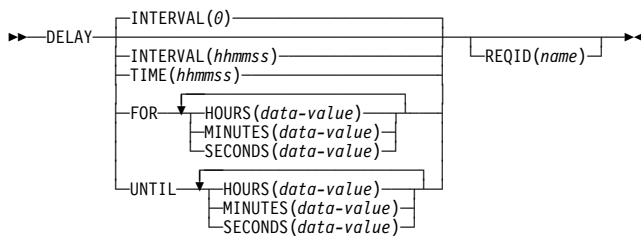


Conditions:

LENGERR, TERMERR

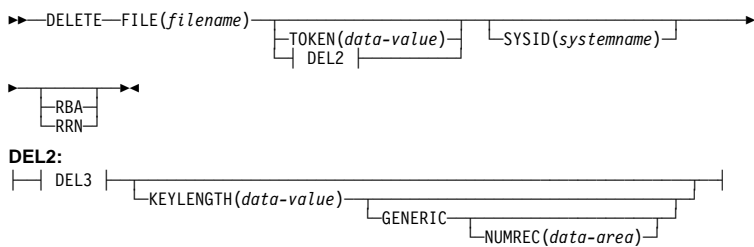
API syntax

DELAY



Conditions:
EXPIRED, INVREQ

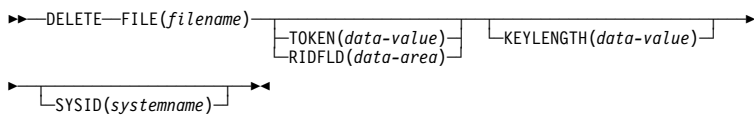
DELETE



DEL2:
RBA
RRN
DEL3

Conditions:
DISABLED, DUPKEY, FILENOTFOUND, ILLOGIC, INVREQ,
IOERR, ISCVREQ, LOADING, NOTAUTH, NOTFND,
NOTOPEN, SYSIDERR

DELETE (UMT)



Conditions:
DISABLED, FILENOTFOUND, INVREQ, ISCVREQ, LOADING,
NOTAUTH, NOTFND, NOTOPEN, SYSIDERR

API syntax

DELETEQ TD

▶▶DELETEQ TD—QUEUE(*name*)—SYSID(*systemname*)▶▶

Conditions:

DISABLED, INVREQ, ISCVREQ, NOTAUTH, QIDERR,
SYSIDERR

DELETEQ TS

▶▶DELETEQ TS—QUEUE(*name*)—SYSID(*systemname*)▶▶

Conditions:

INVREQ, ISCVREQ, NOTAUTH, QIDERR, SYSIDERR

DEQ

▶▶DEQ—RESOURCE(*data-area*)—LENGTH(*data-value*)—LW—MAXLIFETIME(*cvda*)—TASK▶▶

Conditions:

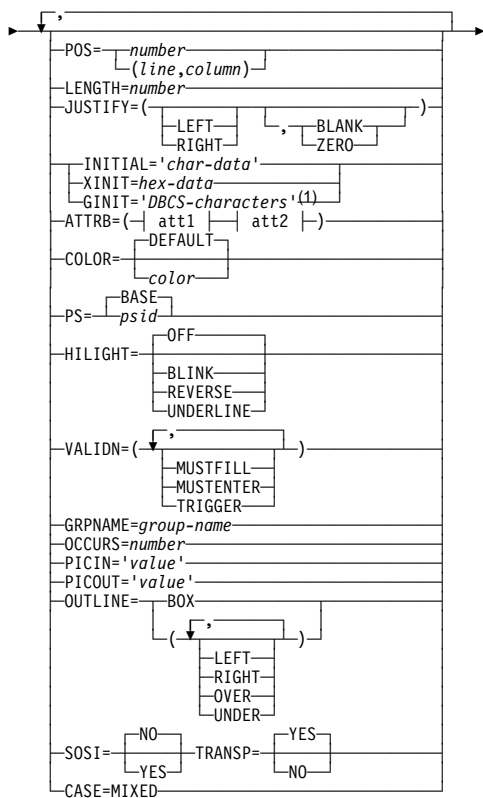
INVREQ, LENGERR

DFHMDF

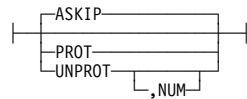
▶▶*fld*—DFHMDF▶▶

API syntax

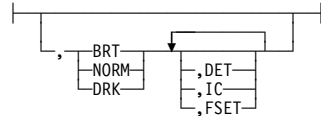
DFHMDF



att1:



att2:

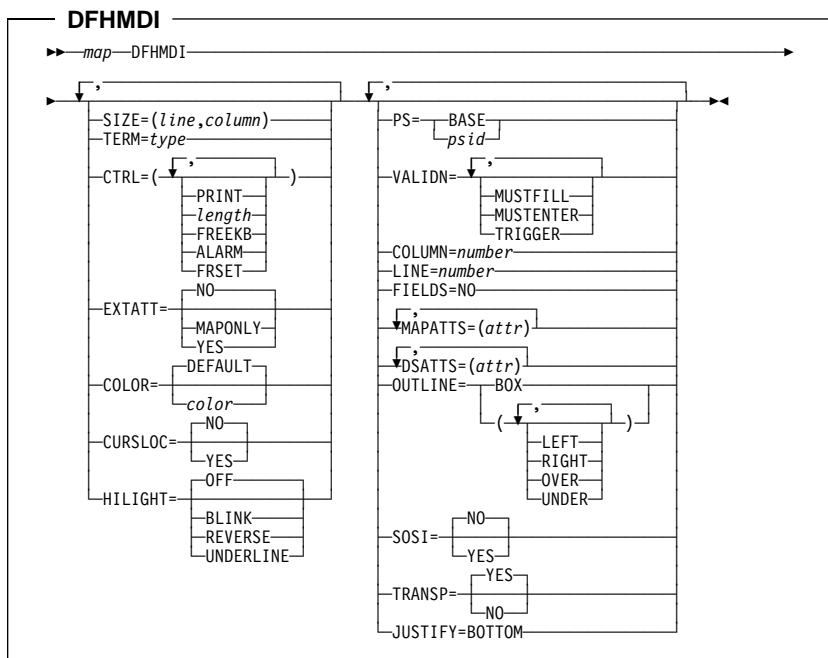


Note:

¹ DBCS characters start with a shift-out character X'0E' and end with a shift-in character X'0F'.

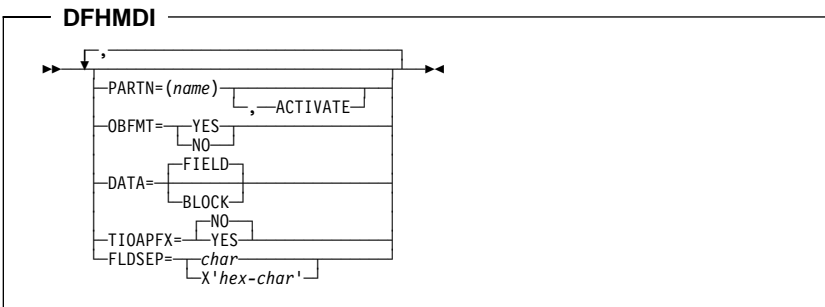
API syntax

Minimum BMS:

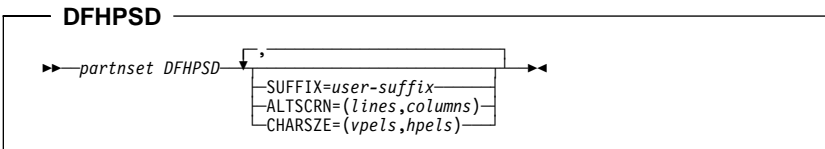
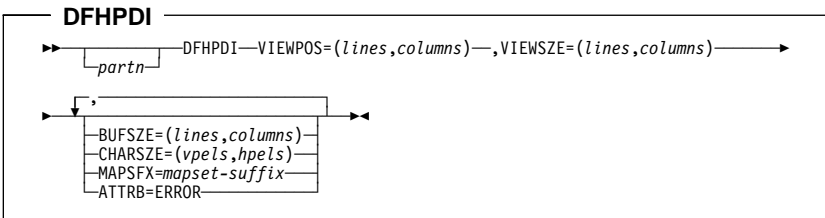
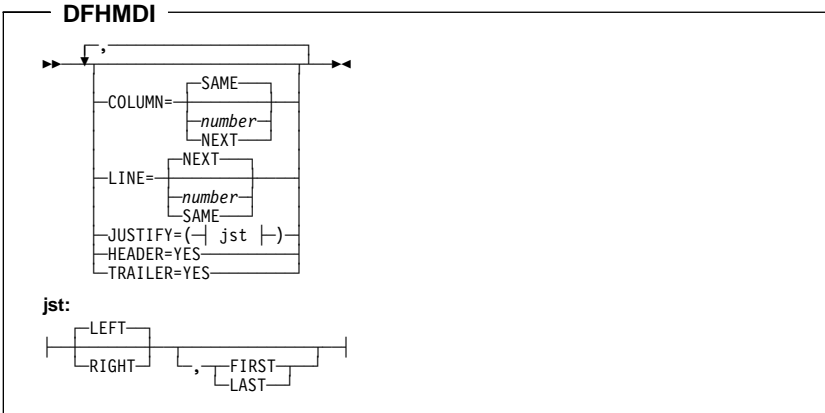


API syntax

Standard BMS:

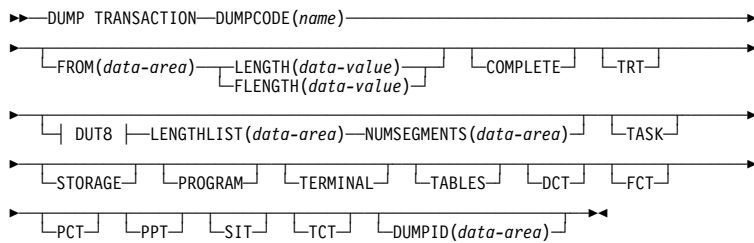


Full BMS:



API syntax

DUMP TRANSACTION



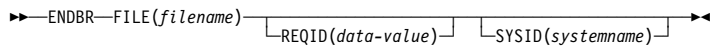
DUT8:

—SEGMENTLIST(*data-area*)—

Conditions:

INVREQ, IOERR, NOSPACE, NOSTG, NOTOPEN, OPENERR, SUPPRESSED

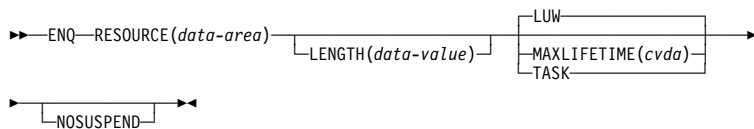
ENDBR



Conditions:

FILENOTFOUND, ILLOGIC, INVREQ, ISCINVREQ, NOTAUTH, SYSIDERR

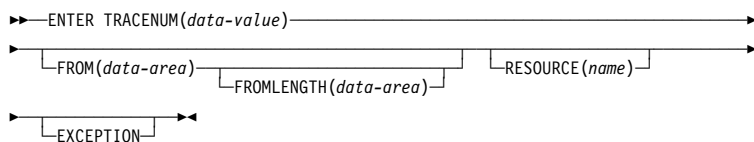
ENQ



Conditions:

ENQBUSY, LENGERR, INVREQ

ENTER TRACENUM

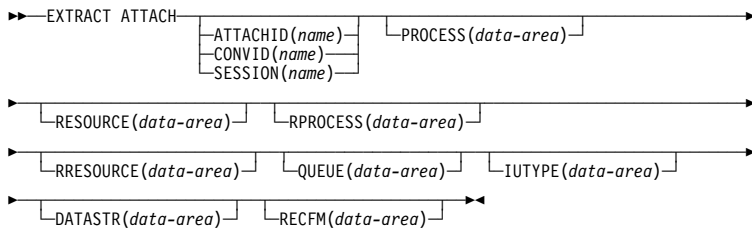


Conditions:

INVREQ, LENGERR

API syntax

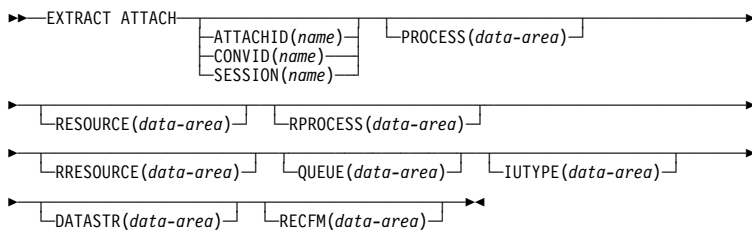
EXTRACT ATTACH (LUTYPE6.1)



Conditions:

CBIDERR, INVREQ, NOTALLOC

EXTRACT ATTACH (MRO)



Conditions:

CBIDERR, INVREQ, NOTALLOC

EXTRACT ATTRIBUTES (APPC)



Conditions:

INVREQ, NOTALLOC

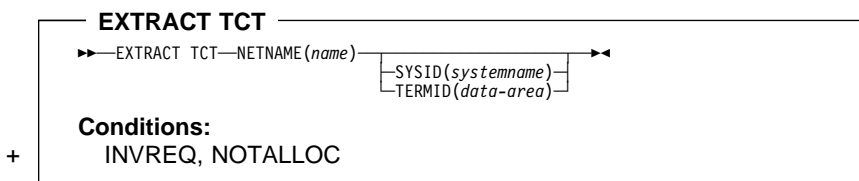
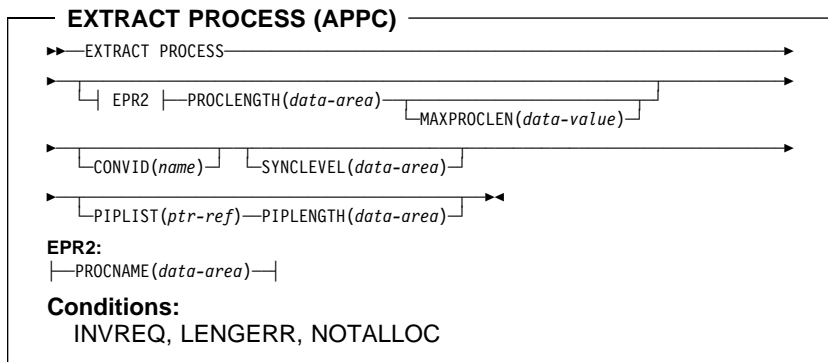
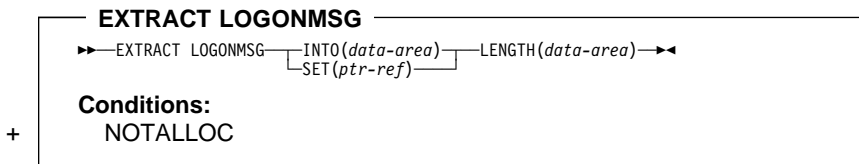
EXTRACT ATTRIBUTES (MRO)



Conditions:

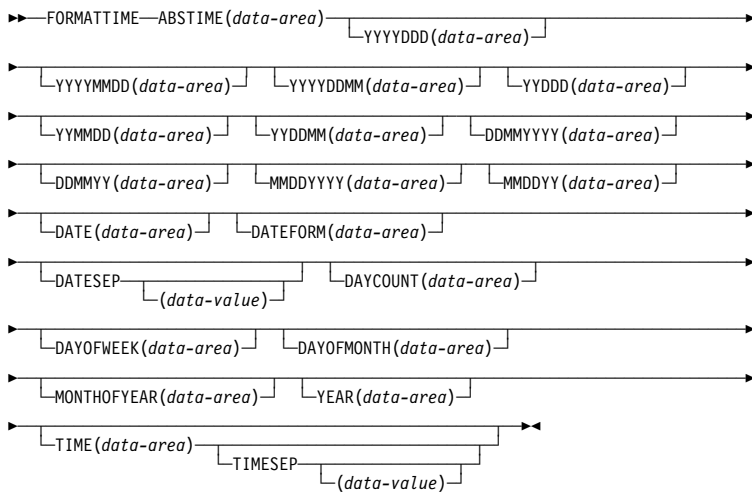
INVREQ, NOTALLOC

API syntax



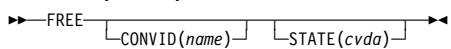
API syntax

FORMATTIME



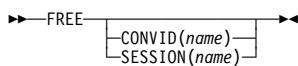
Conditions:
INVREQ

FREE (APPC)



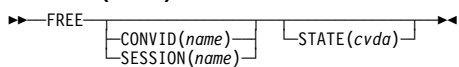
Conditions:
INVREQ, NOTALLOC

FREE (LUTYPE6.1)



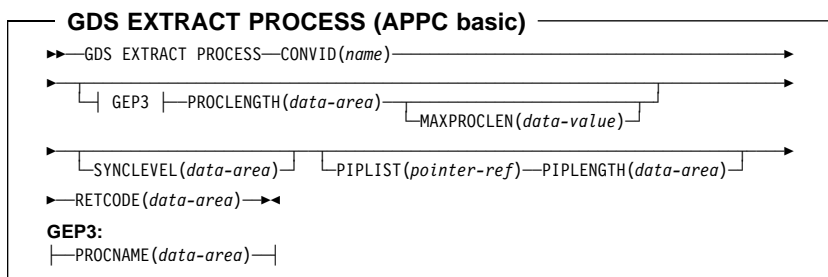
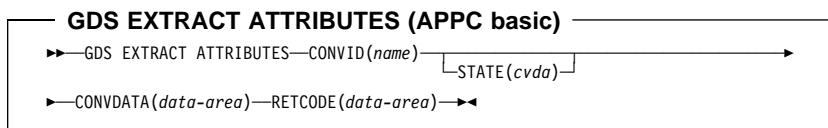
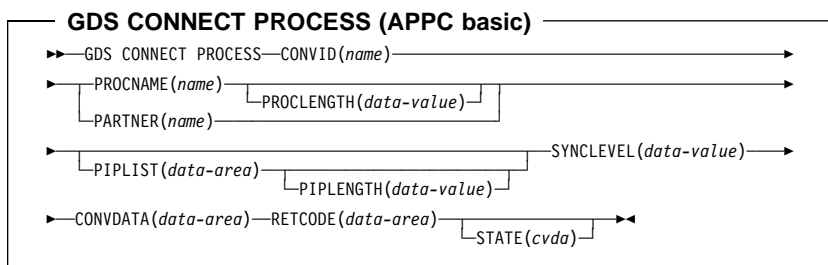
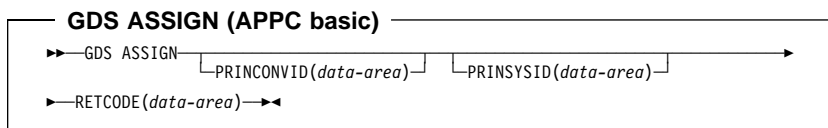
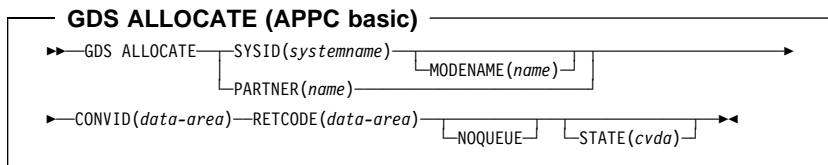
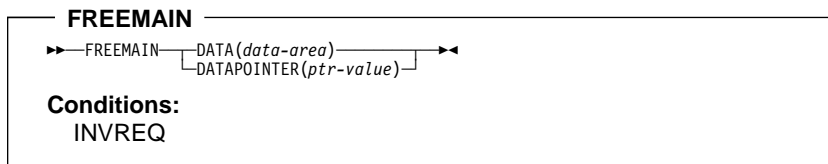
Conditions:
INVREQ, NOTALLOC

FREE (MRO)



Conditions:
INVREQ, NOTALLOC

API syntax



API syntax

GDS FREE (APPC basic)

▶ GDS FREE—CONVID(*name*)—CONVDATA(*data-area*)—RETCODE(*data-area*)—▶
└─STATE(*cvda*)┘

GDS ISSUE ABEND (APPC basic)

▶ GDS ISSUE ABEND—CONVID(*name*)—CONVDATA(*data-area*)—RETCODE(*data-area*)—▶
└─STATE(*cvda*)┘

GDS ISSUE CONFIRMATION (APPC basic)

▶ GDS ISSUE CONFIRMATION—CONVID(*name*)—CONVDATA(*data-area*)—▶
▶ RETCODE(*data-area*)—STATE(*cvda*)┘

GDS ISSUE ERROR (APPC basic)

▶ GDS ISSUE ERROR—CONVID(*name*)—CONVDATA(*data-area*)—RETCODE(*data-area*)—▶
└─STATE(*cvda*)┘

GDS ISSUE PREPARE (APPC basic)

▶ GDS ISSUE PREPARE—CONVID(*name*)—CONVDATA(*data-area*)—RETCODE(*data-area*)—▶
└─STATE(*cvda*)┘

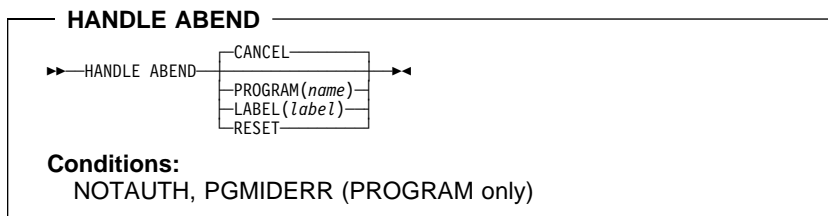
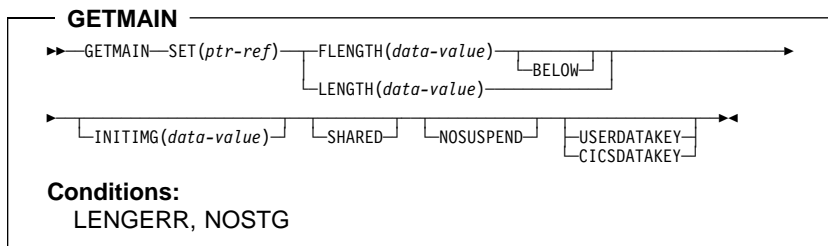
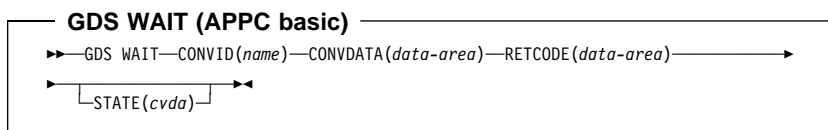
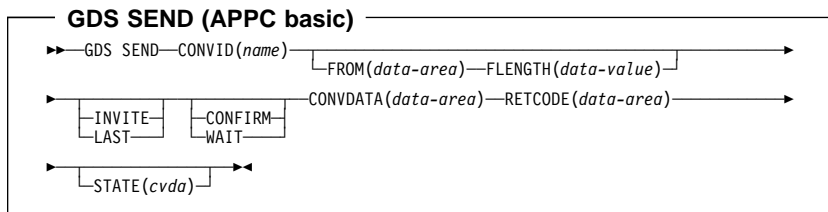
GDS ISSUE SIGNAL (APPC basic)

▶ GDS ISSUE SIGNAL—CONVID(*name*)—CONVDATA(*data-area*)—RETCODE(*data-area*)—▶
└─STATE(*cvda*)┘

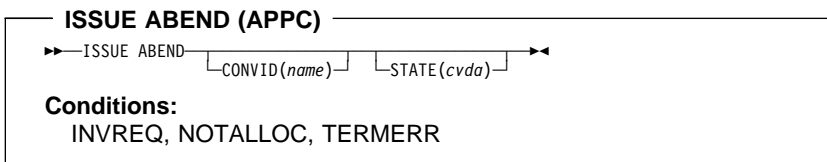
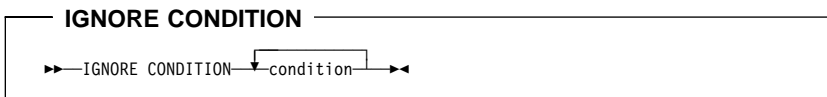
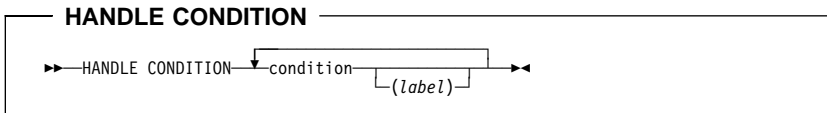
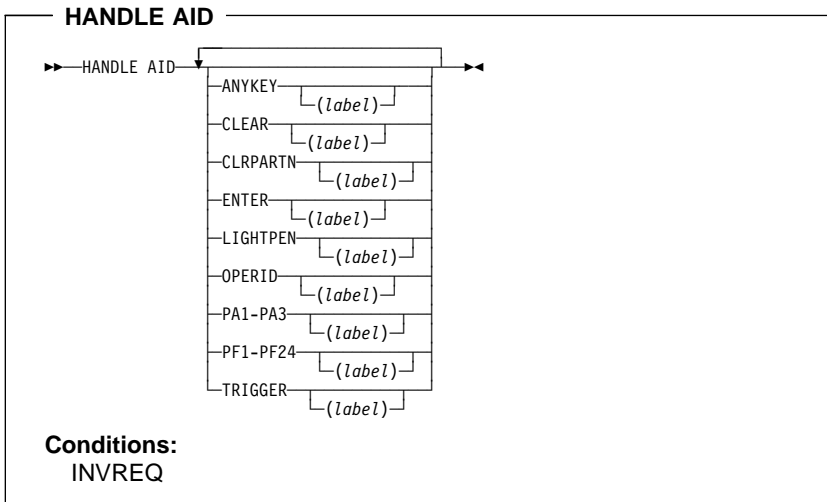
GDS RECEIVE (APPC basic)

▶ GDS RECEIVE—CONVID(*name*)—INTO(*data-area*)—FLENGTH(*data-area*)—▶
└─SET(*pointer-ref*)┘
▶ └─MAXFLENGTH(*data-value*)┘ └─BUFFER └─CONVDATA(*data-area*)—▶
└─LLID └─RETCODE(*data-area*)—STATE(*cvda*)┘

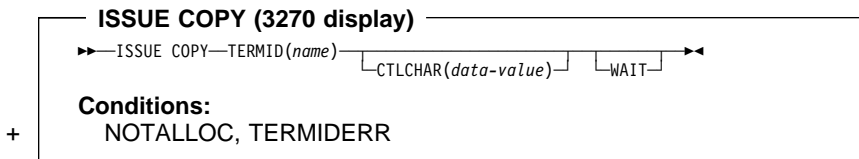
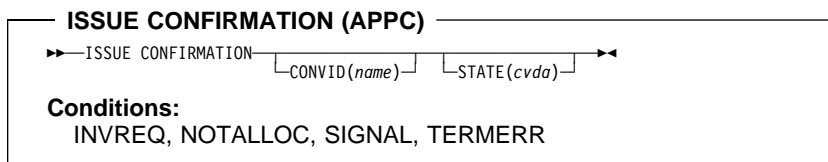
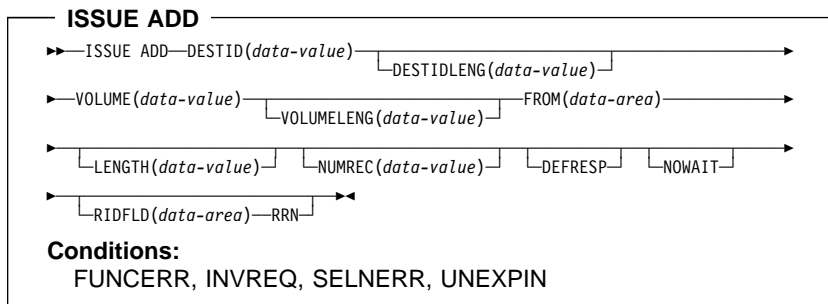
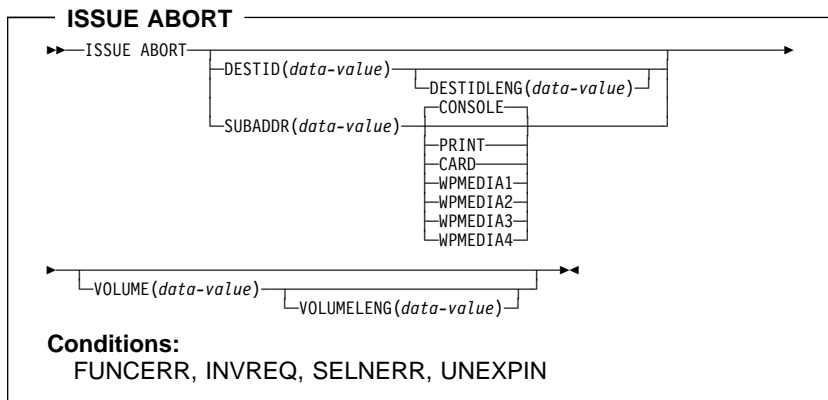
API syntax



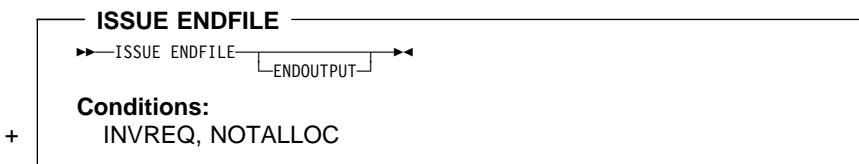
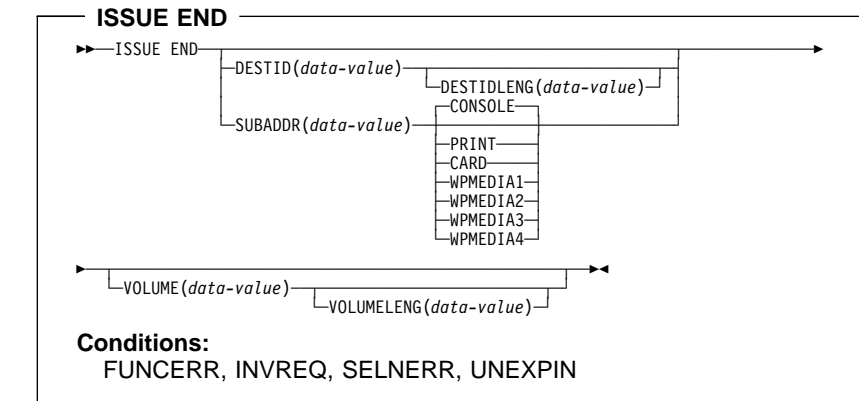
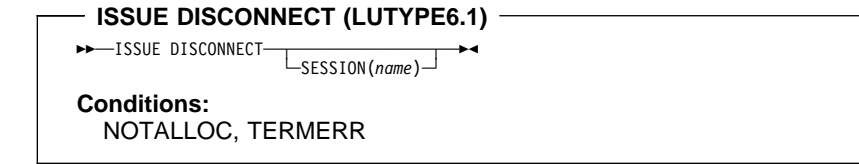
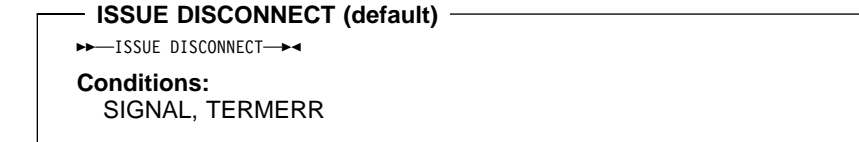
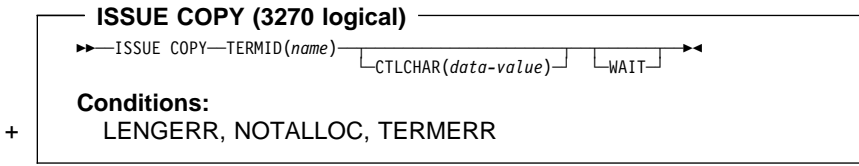
API syntax



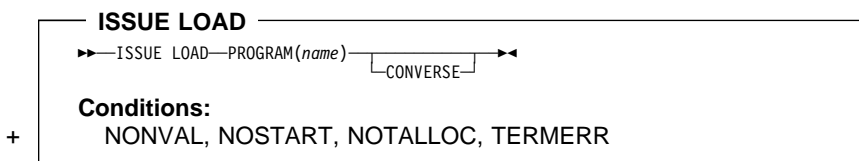
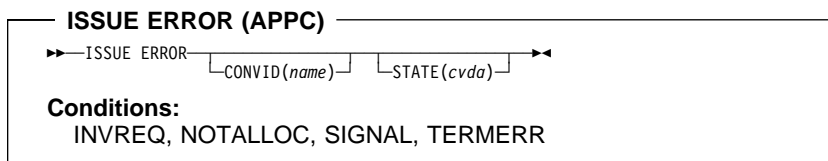
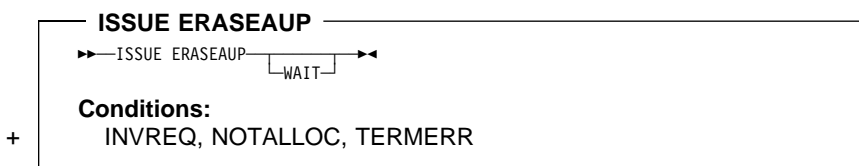
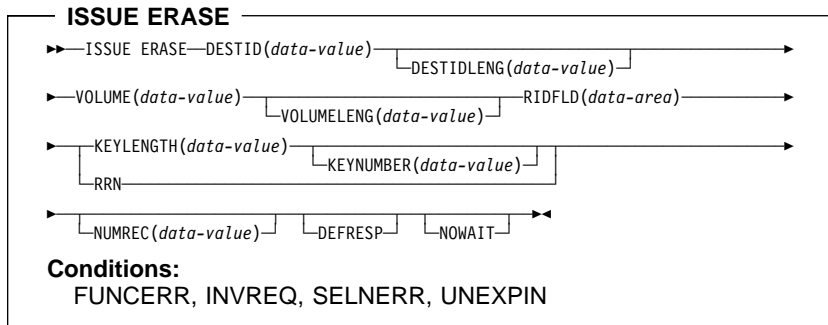
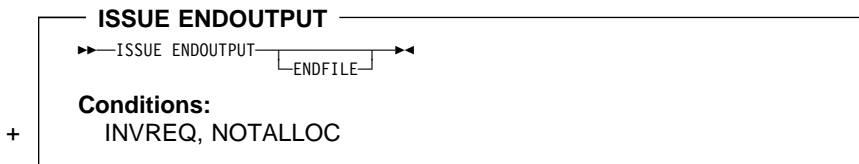
API syntax



API syntax



API syntax



API syntax

ISSUE NOTE

▶▶ ISSUE NOTE—DESTID(*data-value*)—DESTIDLENG(*data-value*)—▶
▶▶ VOLUME(*data-value*)—VOLUMELENG(*data-value*)—RRN—RIDFLD(*data-area*)—▶▶

Conditions:

FUNCERR, INVREQ, SELNERR, UNEXPIN

ISSUE PASS

▶▶ ISSUE PASS—LUNAME(*name*)—FROM(*data-area*)—LENGTH(*data-value*)—▶
▶▶ LOGMODE(*data-value*)—LOGONLOGMODE—NOQUIESCE—▶▶

Conditions:

INVREQ, LENGERR, NOTALLOC

ISSUE PREPARE (APPC)

▶▶ ISSUE PREPARE—CONVID(*name*)—STATE(*cvda*)—▶▶

Conditions:

INVREQ, NOTALLOC, TERMERR

ISSUE PRINT

▶▶ ISSUE PRINT—▶▶

Conditions:

INVREQ, NOTALLOC, TERMERR

ISSUE QUERY

▶▶ ISSUE QUERY—DESTID(*data-value*)—DESTIDLENG(*data-value*)—▶
▶▶ VOLUME(*data-value*)—VOLUMELENG(*data-value*)—▶▶

Conditions:

FUNCERR, INVREQ, SELNERR, UNEXPIN

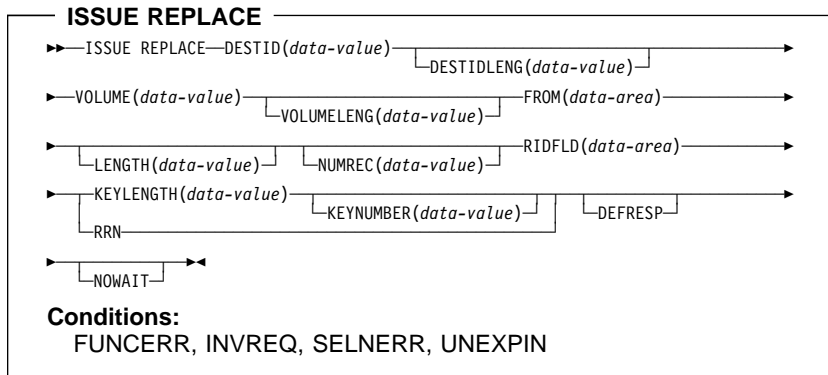
ISSUE RECEIVE

▶▶ ISSUE RECEIVE—INTO(*data-area*)—SET(*ptr-ref*)—LENGTH(*data-area*)—▶▶

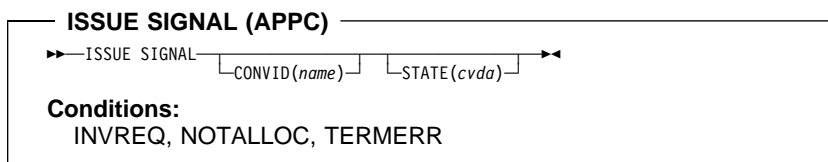
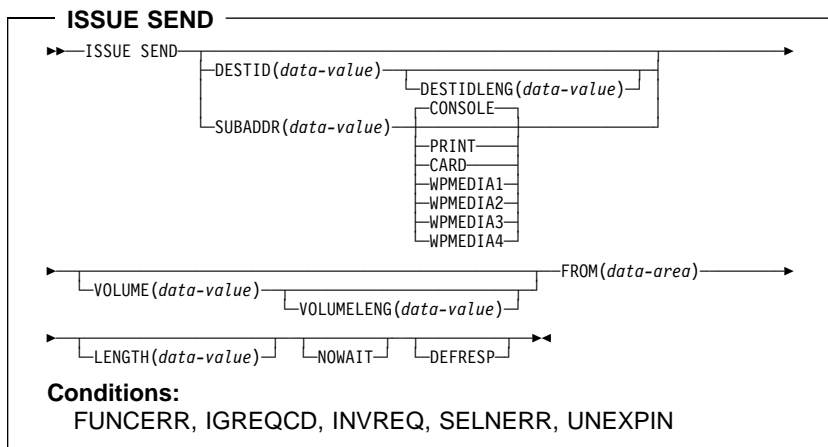
Conditions:

DSSTAT, EOC, EODS, INVREQ, LENGERR, UNEXPIN

API syntax

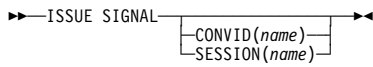


+



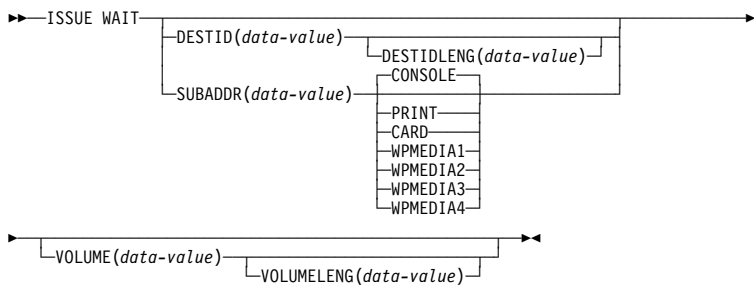
API syntax

ISSUE SIGNAL (LUTYPE6.1)



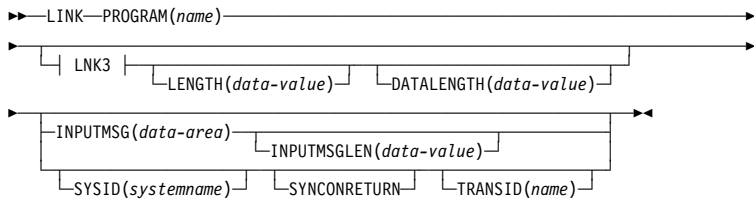
Conditions:
NOTALLOC, TERMERR

ISSUE WAIT



Conditions:
FUNCERR, INVREQ, SELNERR, UNEXPIN

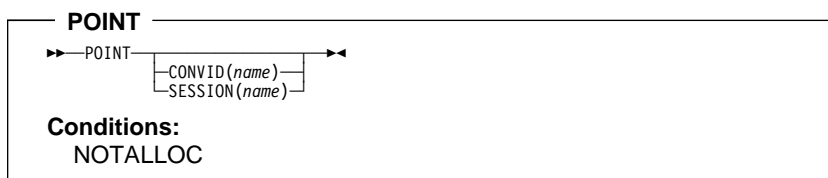
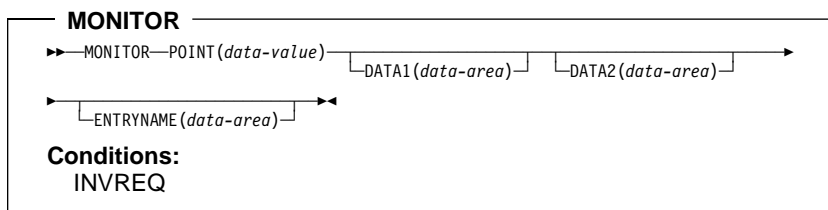
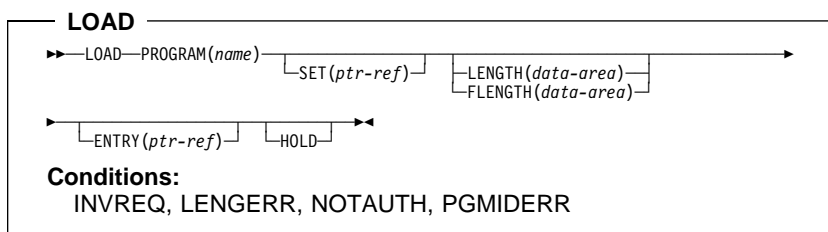
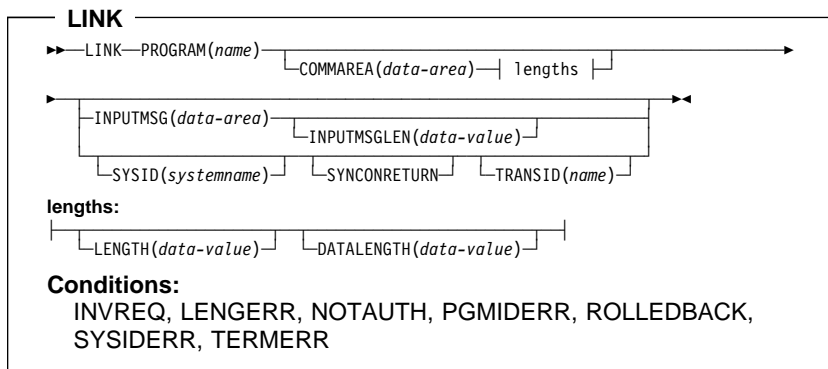
LINK



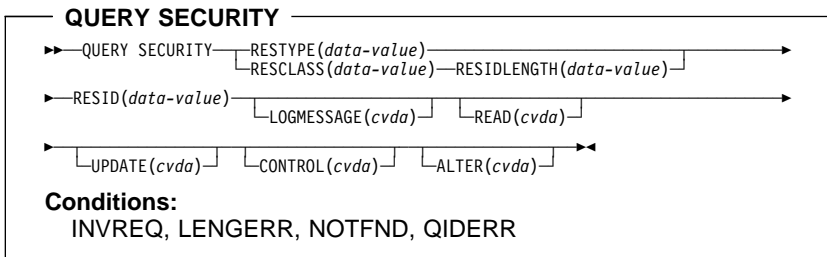
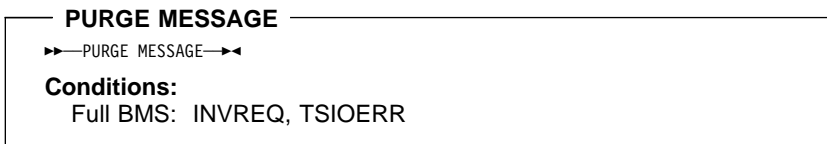
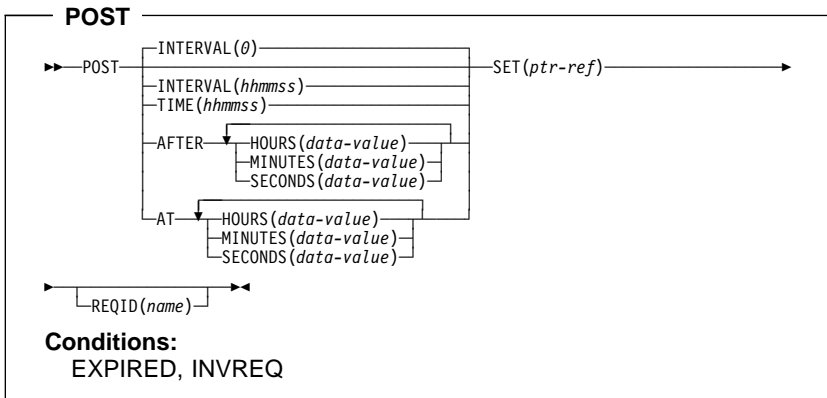
LNK3:
COMMAREA(*data-area*)

Conditions:
INVREQ, LENGERR, NOTAUTH, PGMIDERR, ROLLEDBACK,
SYSIDERR, TERMERR

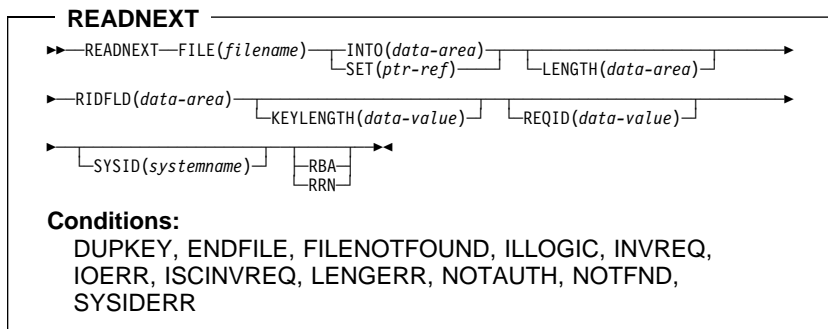
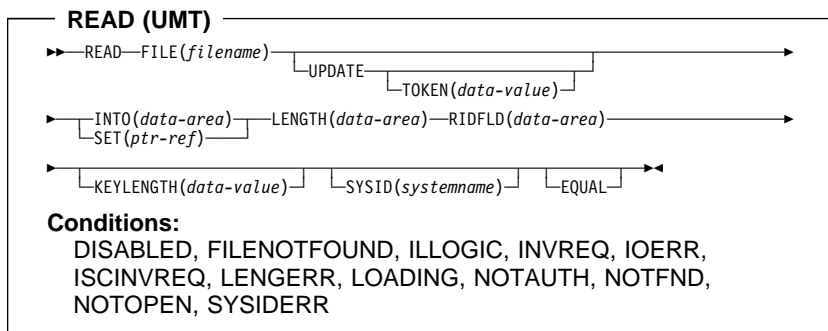
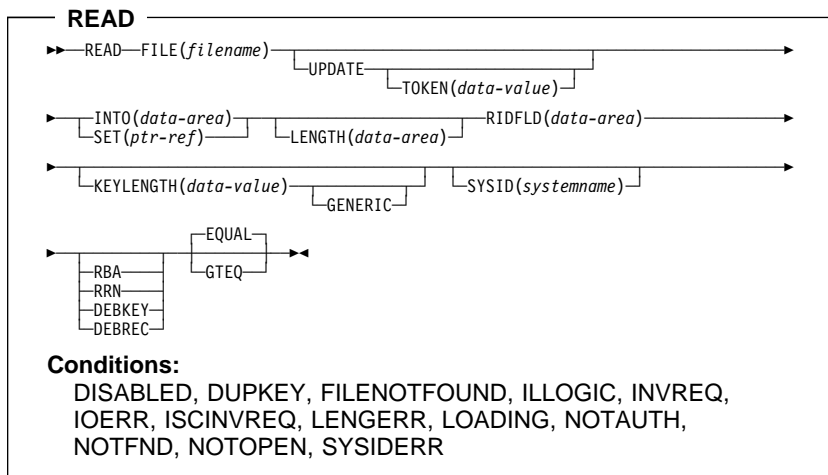
API syntax



API syntax

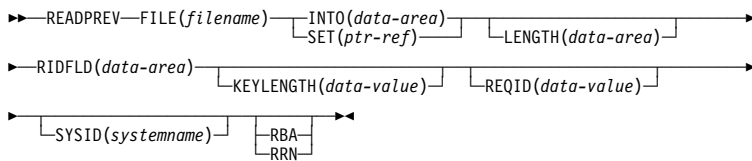


API syntax



API syntax

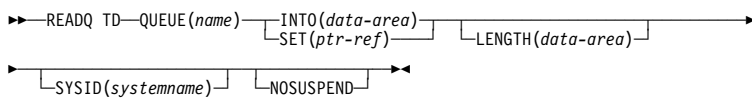
READPREV



Conditions:

DUPKEY, ENDFILE, FILENOTFOUND, ILLOGIC, INVREQ,
IOERR, ISCINVREQ, LENGERR, NOTAUTH, NOTFND,
SYSIDERR

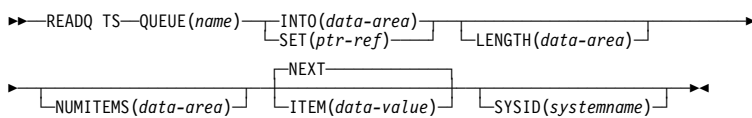
READQ TD



Conditions:

DISABLED, IOERR, INVREQ, ISCINVREQ, LENGERR,
NOTAUTH, NOTOPEN, QBUSY, QIDERR, QZERO, SYSIDERR

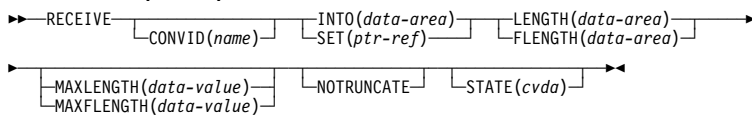
READQ TS



Conditions:

INVREQ, IOERR, ISCINVREQ, ITEMERR, LENGERR, NOTAUTH,
QIDERR, SYSIDERR

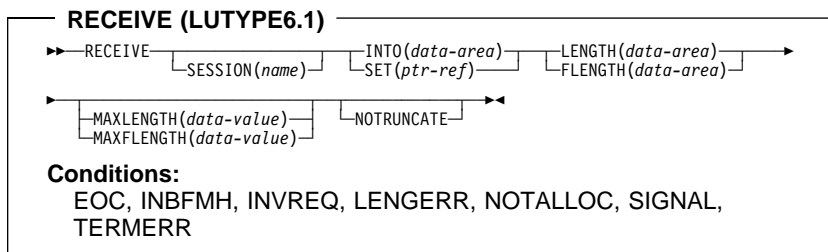
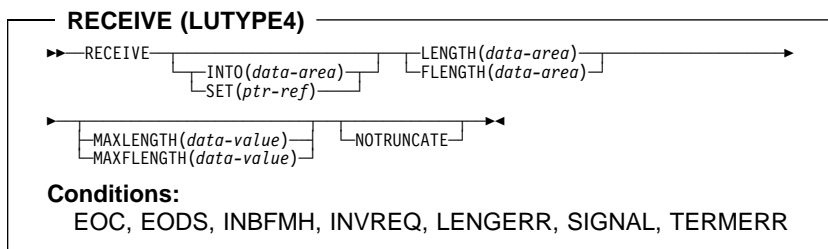
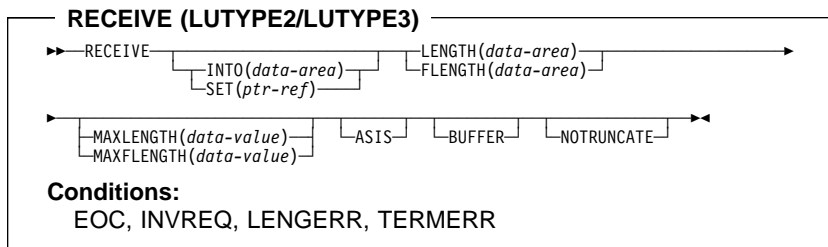
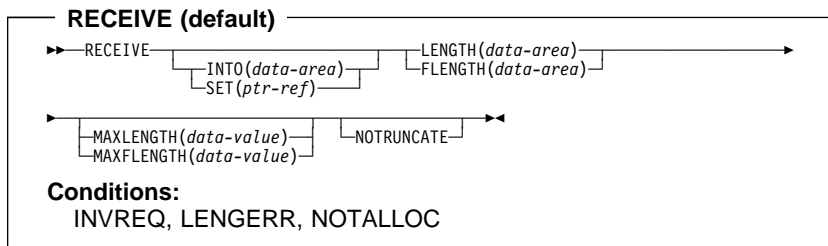
RECEIVE (APPC)



Conditions:

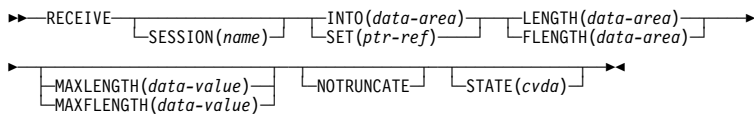
EOC, INVREQ, LENGERR, NOTALLOC, SIGNAL, TERMERR

API syntax



API syntax

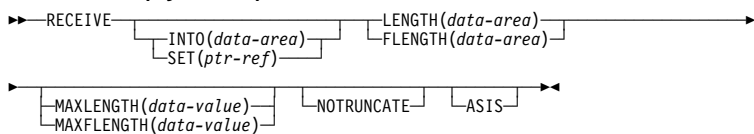
RECEIVE (MRO)



Conditions:

EOC, INBFMH, INVREQ, LENGERR, NOTALLOC, TERMERR

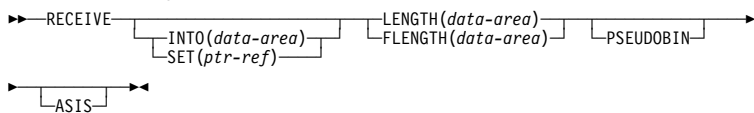
RECEIVE (System/3)



Conditions:

INVREQ, LENGERR

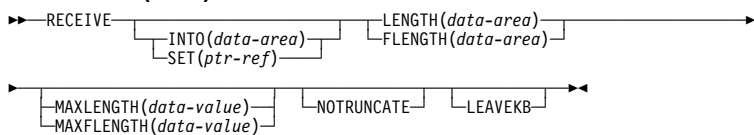
RECEIVE (System/7)



Conditions:

INVREQ, LENGERR

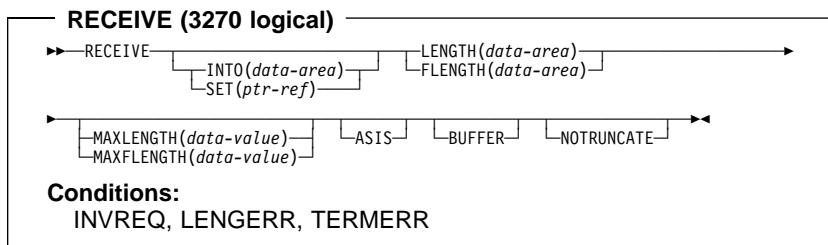
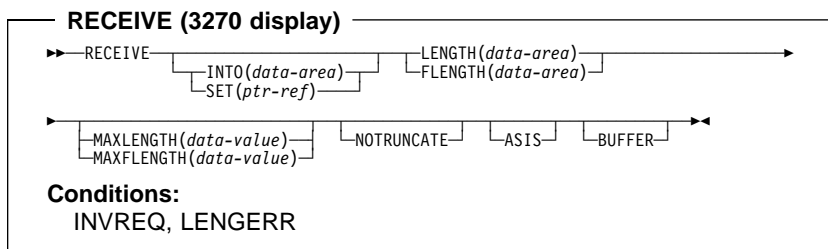
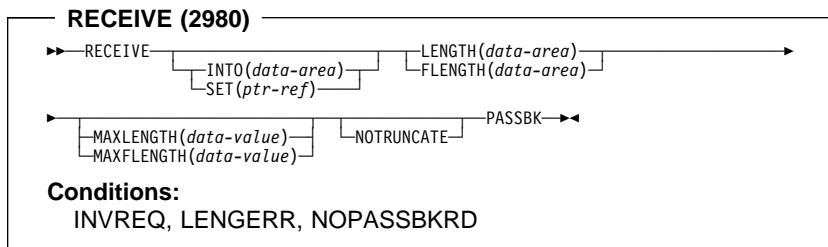
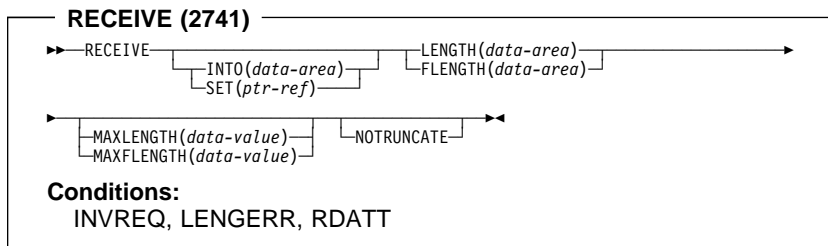
RECEIVE (2260)



Conditions:

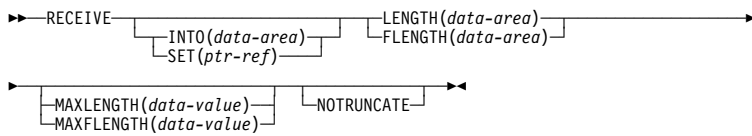
INVREQ, LENGERR

API syntax



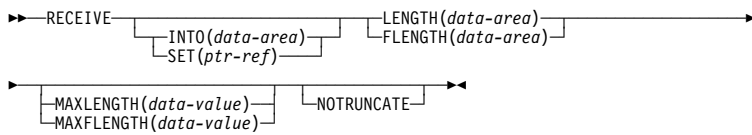
API syntax

RECEIVE (3600 BTAM)



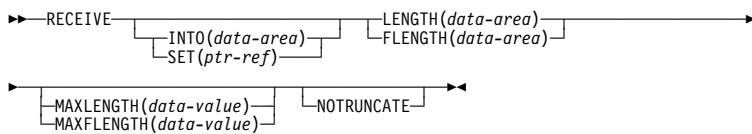
Conditions:
INVREQ, LENGERR

RECEIVE (3600 pipeline)



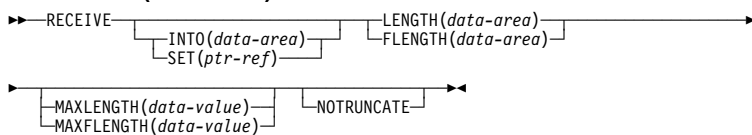
Conditions:
INVREQ, LENGERR, NOTALLOC

RECEIVE (3600-3601)



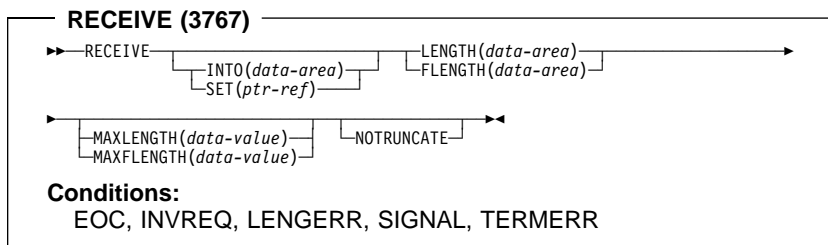
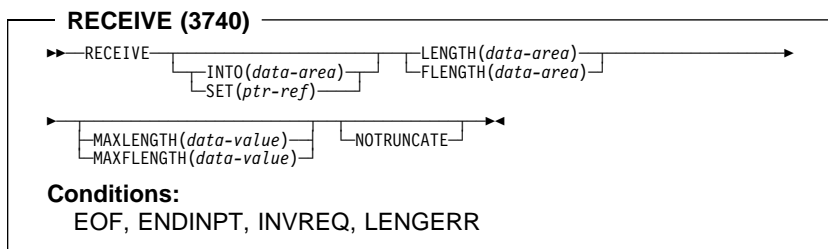
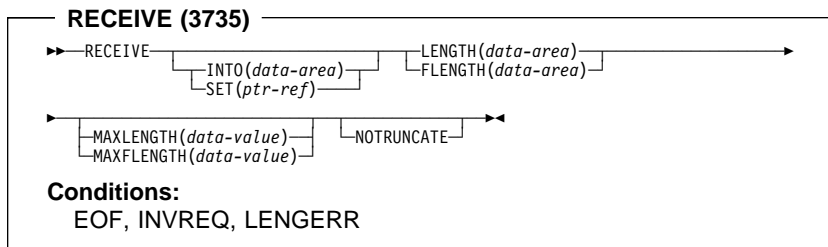
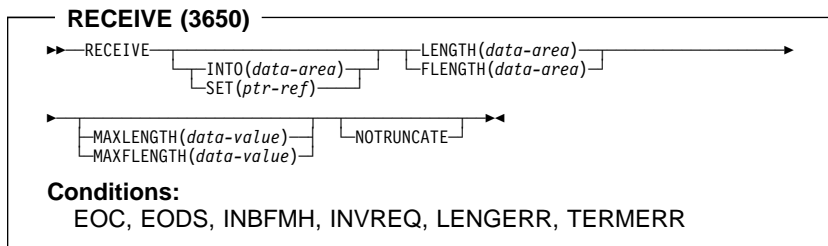
Conditions:
EOC, EODS, INBFMH, INVREQ, LENGERR, SIGNAL, TERMERR

RECEIVE (3600-3614)



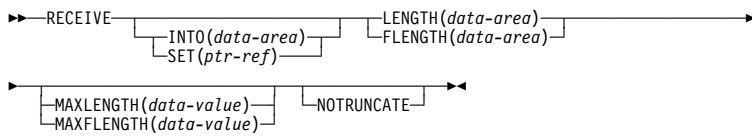
Conditions:
INVREQ, LENGERR, TERMERR

API syntax



API syntax

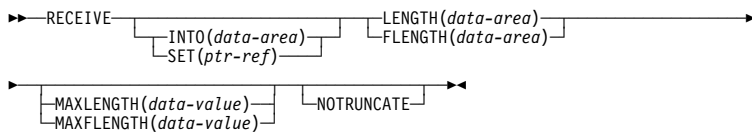
RECEIVE (3770)



Conditions:

EOC, EODS, INBFMH, INVREQ, LENGERR, SIGNAL, TERMERR

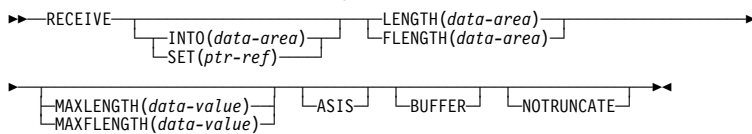
RECEIVE (3790 full-function or inquiry)



Conditions:

EOC, EODS, INBFMH, INVREQ, LENGERR, SIGNAL, TERMERR

RECEIVE (3790 3270-display)



Conditions:

INVREQ, LENGERR, TERMERR

API syntax

RECEIVE MAP

▶▶—RECEIVE MAP(*name*)—▶▶

Minimum BMS:

RECEIVE MAP

▶▶—MAPSET(*name*)—▶▶

▶▶—INTO(*data-area*)—▶▶
▶▶—SET(*ptr-ref*)—▶▶

▶▶—TERMINAL—▶▶

▶▶—ASIS—▶▶

▶▶—INPARTN(*name*)—▶▶

▶▶—FROM(*data-area*)—▶▶

▶▶—LENGTH(*data-value*)—▶▶

Conditions:

EOC, EODS, INVMPSZ, INVPARTN, INVREQ, MAPFAIL,
PARTNFAIL, RDATT, UNEXPIN

Note: INPARTN is supported by Standard and full BMS

RECEIVE PARTN

▶▶—RECEIVE PARTN(*data-area*)—▶▶

Standard and full BMS:

RECEIVE PARTN

▶▶—INTO(*data-area*)—▶▶

▶▶—SET(*ptr-ref*)—▶▶

▶▶—LENGTH(*data-value*)—▶▶

▶▶—ASIS—▶▶

Conditions:

EOC, EODS, INVPARTN, INVREQ, LENGERR

RELEASE

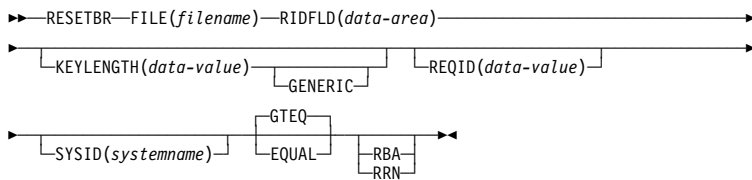
▶▶—RELEASE—PROGRAM(*name*)—▶▶

Conditions:

INVREQ, NOTAUTH, PGMIDERR

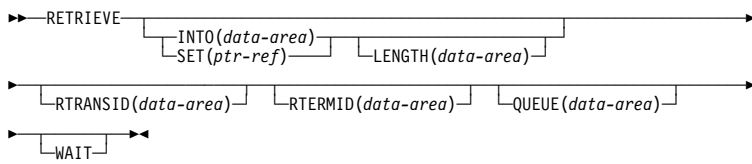
API syntax

RESETBR



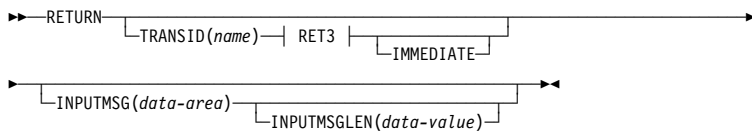
Conditions:
 FILENOTFOUND, ILLOGIC, INVREQ, IOERR, ISCINVREQ,
 NOTAUTH, NOTFND, SYSIDERR

RETRIEVE



Conditions:
 ENDDATA, ENVDEFERR, INVREQ, IOERR, LENGERR, NOTFND

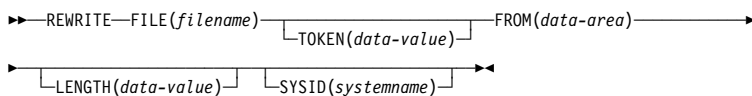
RETURN



RET3:
COMMAREA(data-area) and **LENGTH(data-value)**

Conditions:
 INVREQ, LENGERR

REWRITE

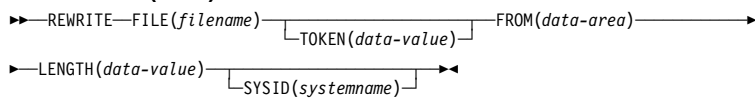


Conditions:
 DUPREC, FILENOTFOUND, ILLOGIC, INVREQ, IOERR,
 ISCINVREQ, LENGERR, NOSPACE, NOTAUTH, NOTFND,
 SYSIDERR

+

API syntax

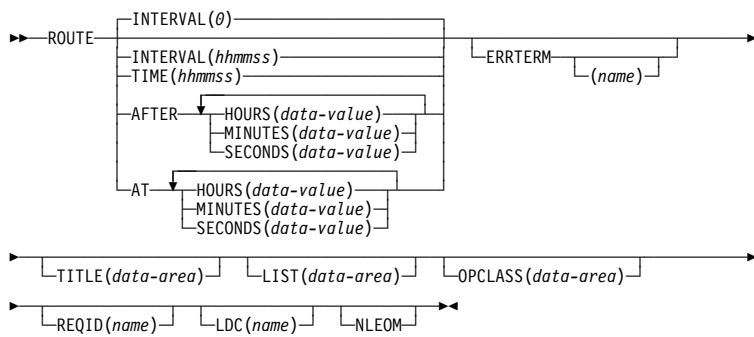
REWRITE (UMT)



Conditions:

FILENOTFOUND, INVREQ, ISCVREQ, LENGERR, NOSPACE, NOTAUTH, SYSIDERR

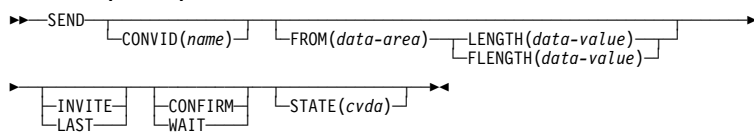
ROUTE



Conditions:

INVERRTERM, INVLDLC, INVREQ, RTEFAIL, RTESOME

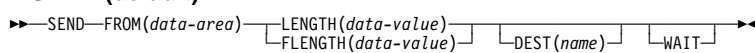
SEND (APPC)



Conditions:

INVREQ, LENGERR, NOTALLOC, SIGNAL, TERMERR

SEND (default)

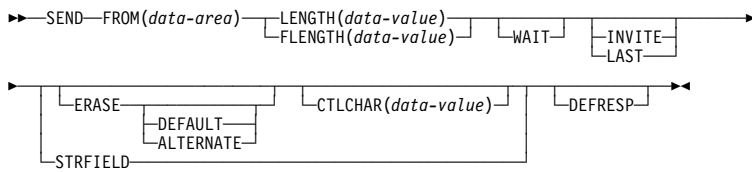


Conditions:

INVREQ, LENGERR, NOTALLOC

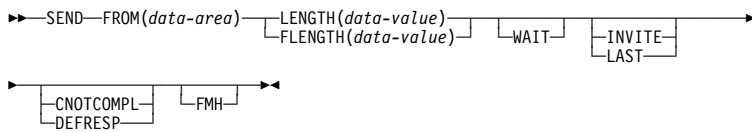
API syntax

SEND (LUTYPE2/LUTYPE3)



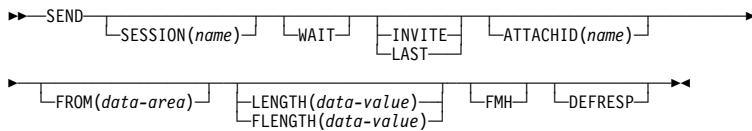
Conditions:
INVREQ, LENGERR, TERMERR

SEND (LUTYPE4)



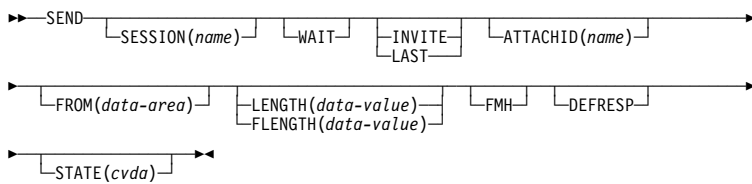
Conditions:
INVREQ, IREQCD, LENGERR, SIGNAL, TERMERR

SEND (LUTYPE6.1)



Conditions:
CBIDERR, INVREQ, LENGERR, NOTALLOC, SIGNAL, TERMERR

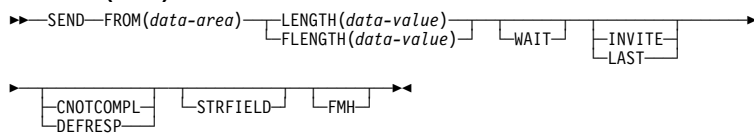
SEND (MRO)



Conditions:
CBIDERR, INVREQ, LENGERR, NOTALLOC, TERMERR

API syntax

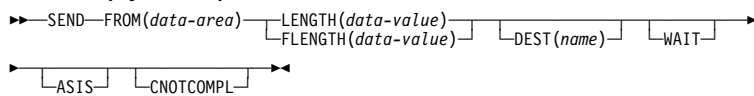
SEND (SCS)



Conditions:

INVREQ, LENGERR, TERMERR

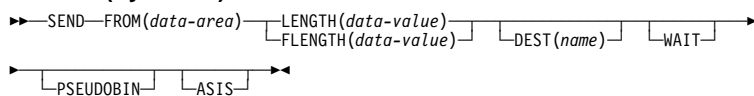
SEND (System/3)



Conditions:

INVREQ, LENGERR

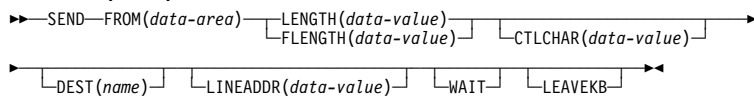
SEND (System/7)



Conditions:

INVREQ, LENGERR

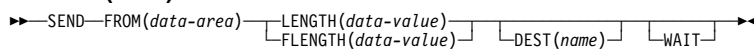
SEND (2260)



Conditions:

INVREQ, LENGERR

SEND (2741)

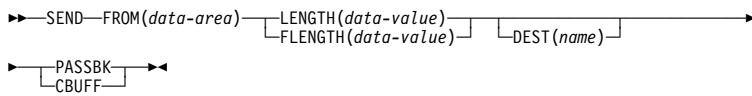


Conditions:

INVREQ, LENGERR, WRBRK

API syntax

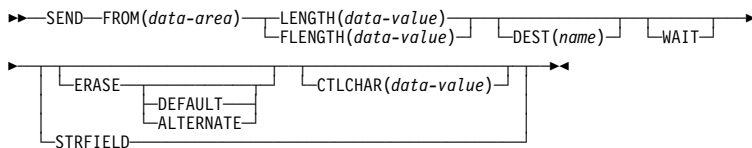
SEND (2980)



Conditions:

INVREQ, LENGERR, NOPASSBKWR

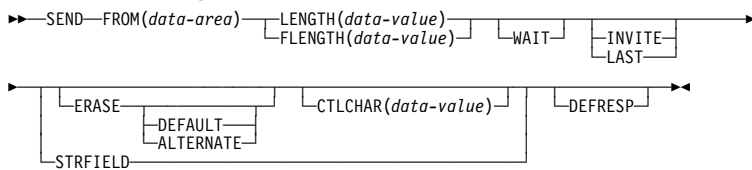
SEND (3270 display)



Conditions:

INVREQ, LENGERR

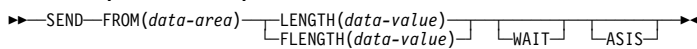
SEND (3270 logical)



Conditions:

INVREQ, LENGERR, TERMERR

SEND (3600 BTAM)



Conditions:

INVREQ, LENGERR

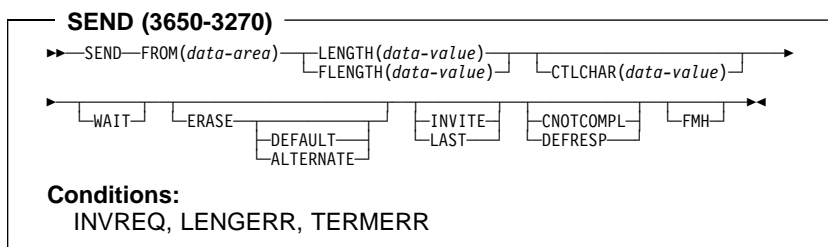
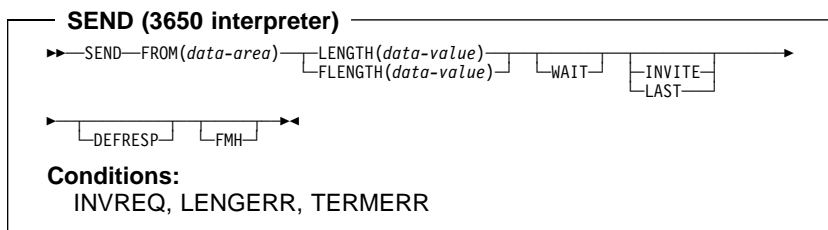
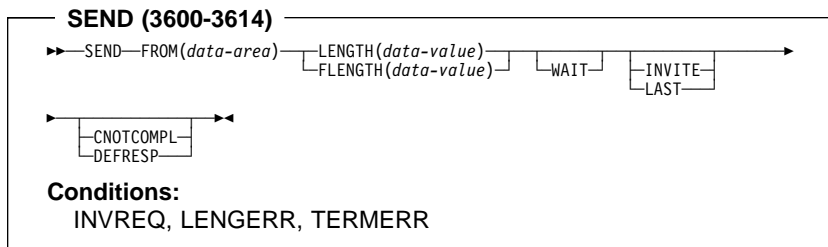
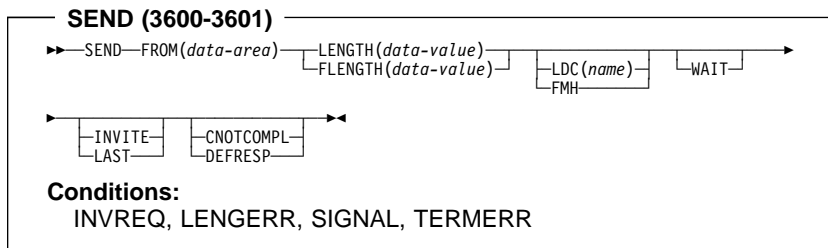
SEND (3600 pipeline)



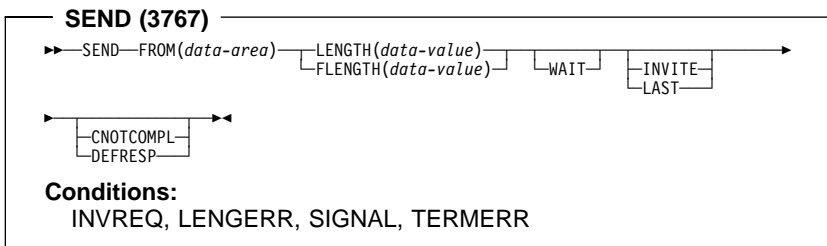
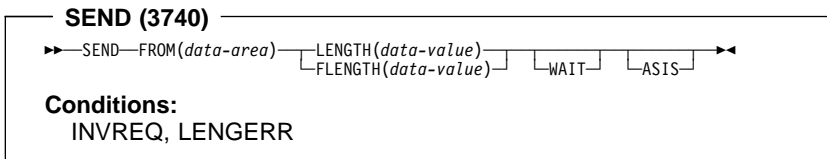
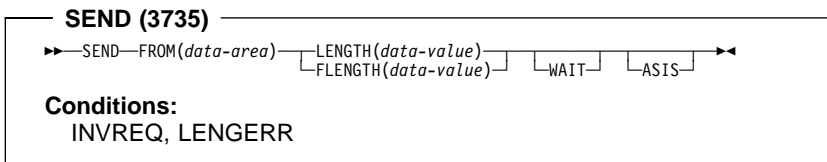
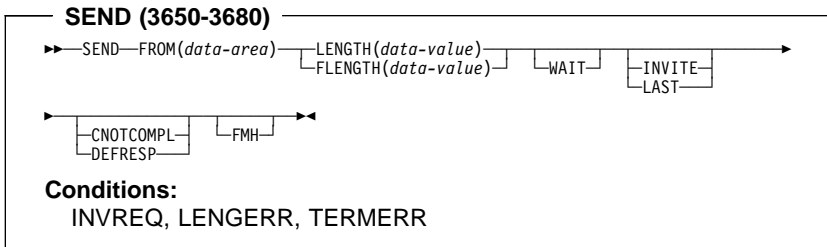
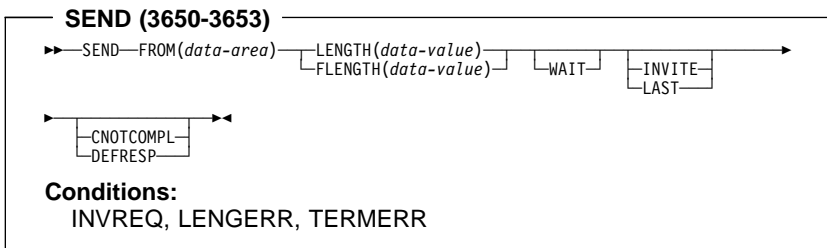
Conditions:

INVREQ, LENGERR, TERMERR

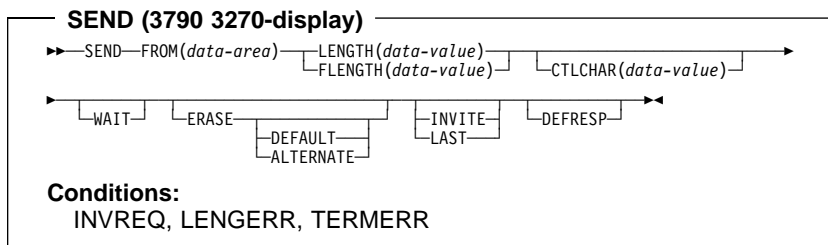
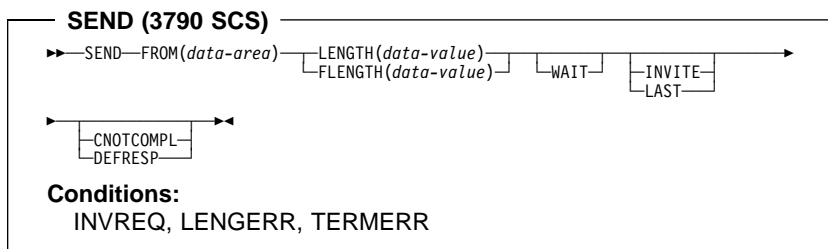
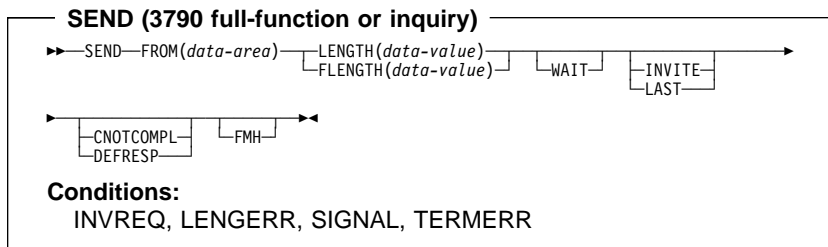
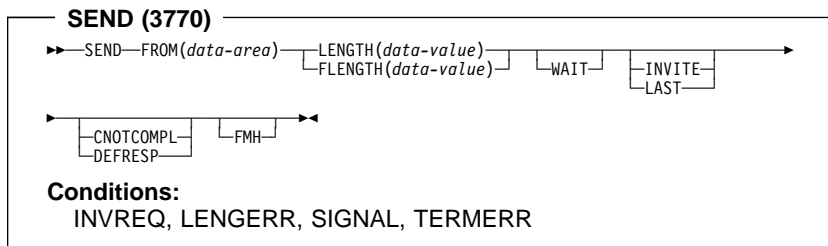
API syntax



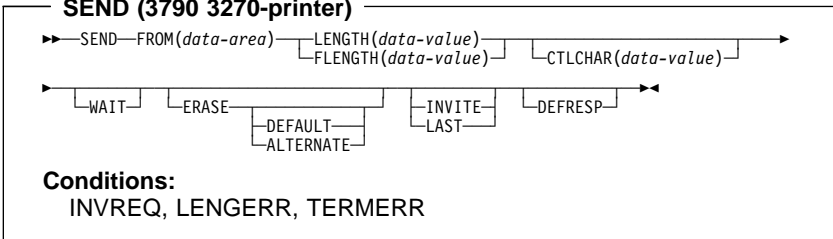
API syntax



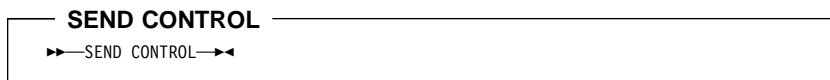
API syntax



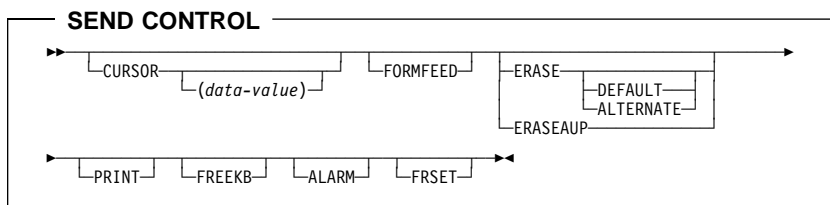
API syntax



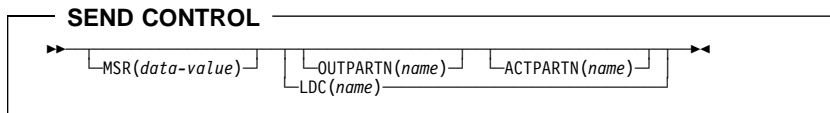
API syntax



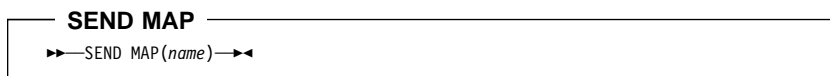
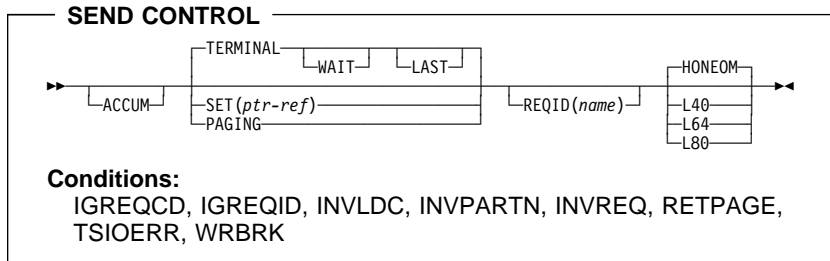
Minimum BMS:



Standard BMS:

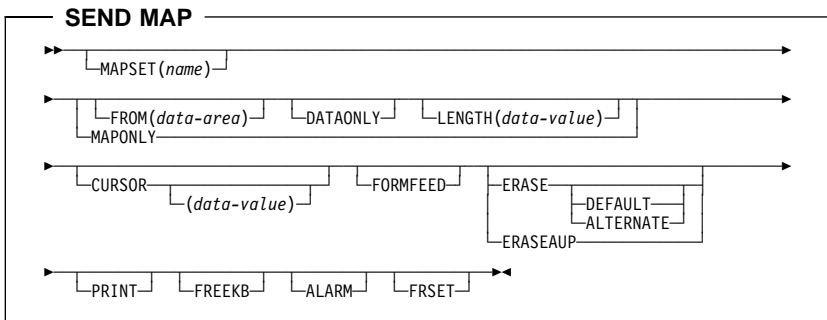


Full BMS:

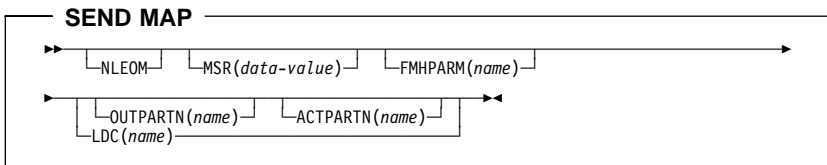


API syntax

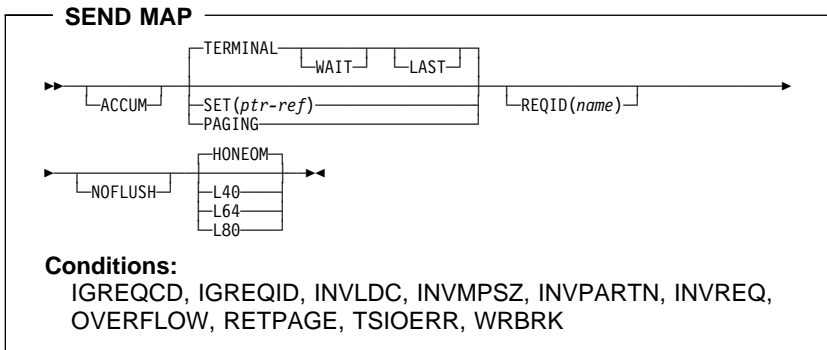
Minimum BMS:



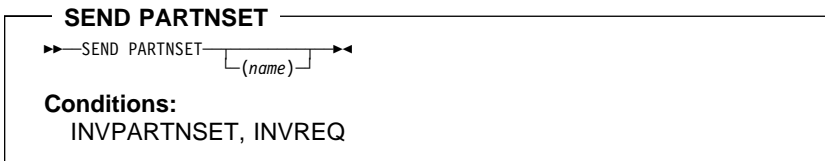
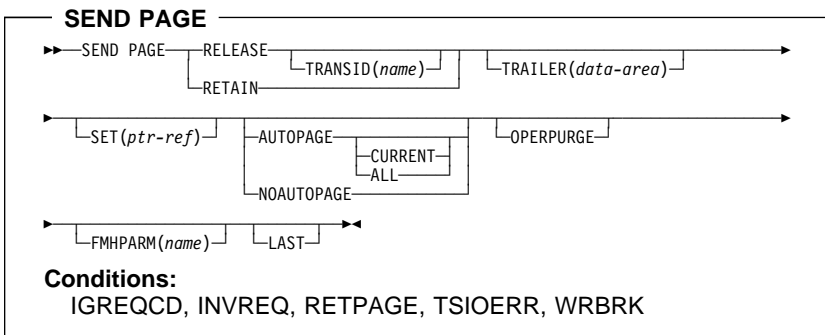
Standard BMS:



Full BMS:

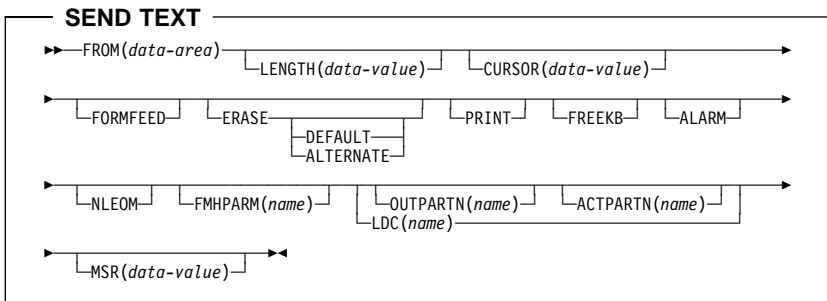


API syntax

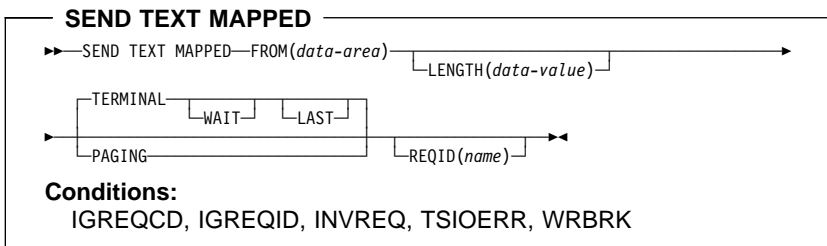
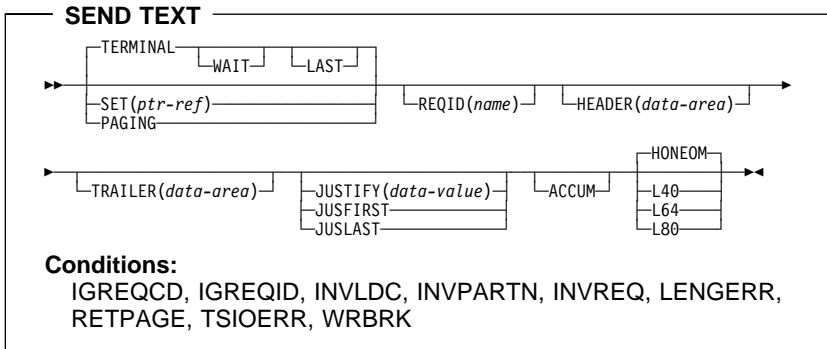


API syntax

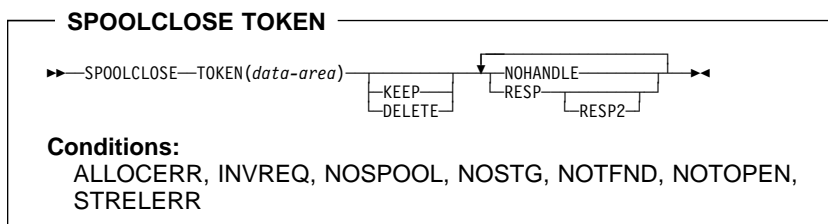
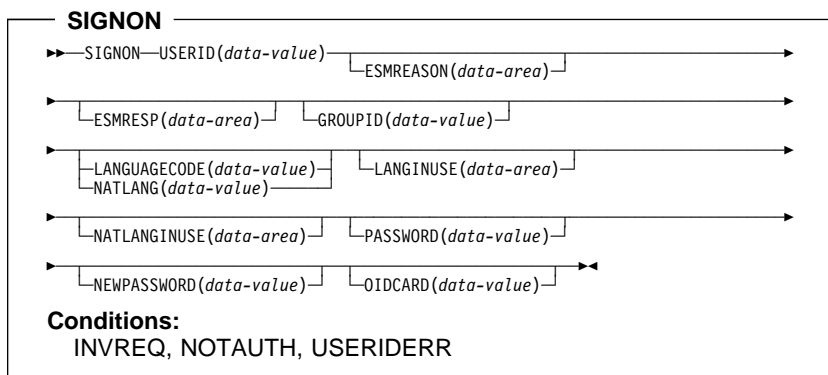
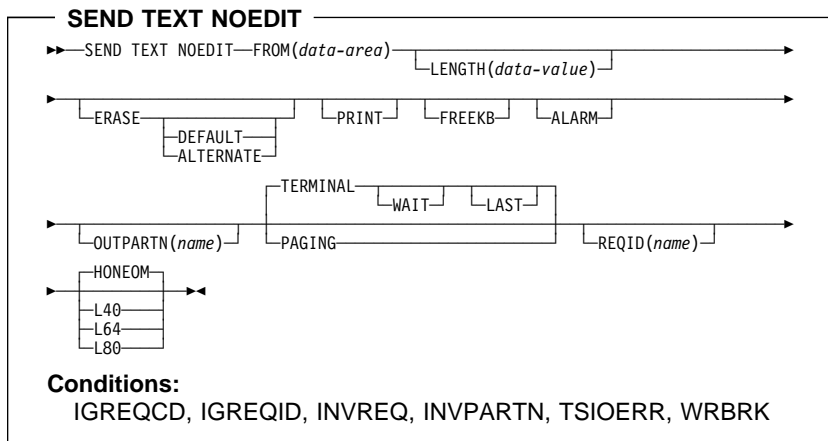
Standard BMS:



Full BMS:

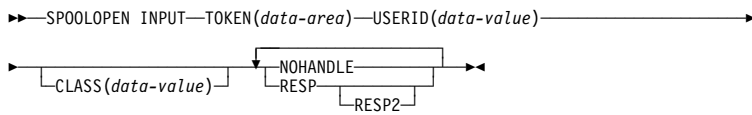


API syntax



API syntax

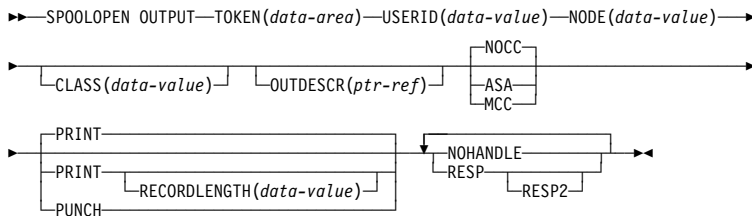
SPOOLOPEN INPUT



Conditions:

ALLOCERR, ILLOGIC, INVREQ, NOSPOOL, NOSTG, NOTAUTH,
NOTFND, NOTOPEN, OPENERR, SPOLBUSY, SPOLERR,
STRELERR

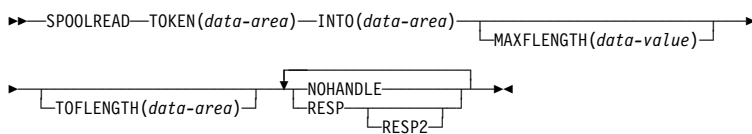
SPOOLOPEN OUTPUT



Conditions:

ALLOCERR, ILLOGIC, INVREQ, LENGERR, NODEIDERR,
NOSPOOL, NOSTG, NOTFND, NOTOPEN, OPENERR,
OUTDESCERR, SPOLBUSY, STRELERR

SPOOLREAD

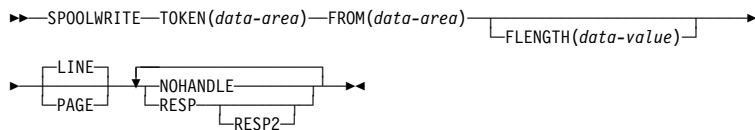


Conditions:

ALLOCERR, ENDFILE, ILLOGIC, INVREQ, LENGERR,
NOSPOOL, NOSTG, NOTFND, NOTOPEN, SPOLBUSY,
SPOLERR, STRELERR

API syntax

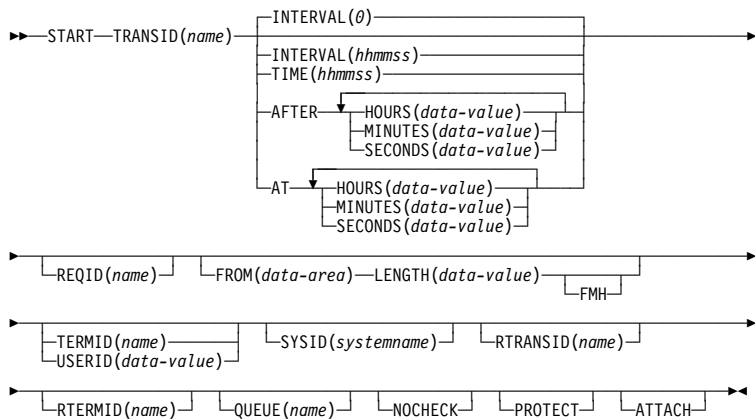
SPOOLWRITE



Conditions:

ALLOCERR, INVREQ, LENGERR, NOSPOOL, NOSTG,
NOTOPEN, SPOLBUSY, SPOLERR, STRELERR

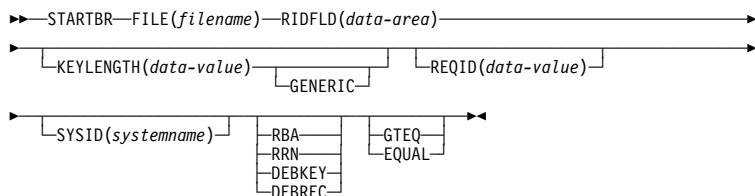
START



Conditions:

INVREQ, IOERR, ISCINVREQ, LENGERR, NOTAUTH,
SYSIDERR, TERMIDERR, TRANSIDERR, USERIDERR

STARTBR



Conditions:

DISABLED, FILENOTFOUND, ILLOGIC, INVREQ, IOERR,
ISCINVREQ, LOADING, NOTAUTH, NOTFND, NOTOPEN,
SYSIDERR

API syntax

SUSPEND

▶—SUSPEND—◀

SYNCPOINT

▶—SYNCPOINT—◀

Conditions:

INVREQ, ROLLEDBACK

SYNCPOINT ROLLBACK

▶—SYNCPOINT—ROLLBACK—◀

Conditions:

INVREQ

UNLOCK

▶—UNLOCK—FILE(*filename*)—
└─TOKEN(*data-value*)┐ └─SYSID(*systemname*)┐—◀

Conditions:

DISABLED, FILENOTFOUND, ILLOGIC, INVREQ, IOERR,
ISCINVREQ, NOTAUTH, NOTOPEN, SYSIDERR

UNLOCK (UMT)

▶—UNLOCK—FILE(*filename*)—
└─TOKEN(*data-value*)┐ └─SYSID(*systemname*)┐—◀

Conditions:

INVREQ, DISABLED, FILENOTFOUND, ISCINVREQ, NOTAUTH,
NOTOPEN, SYSIDERR

VERIFY PASSWORD

▶—VERIFY PASSWORD(*data-value*)—USERID(*data-value*)—
└─CHANGETIME(*data-area*)┐ └─DAYSLEFT(*data-area*)┐—
▶—└─ESMREASON(*data-area*)┐ └─ESMRESP(*data-area*)┐—
▶—└─EXPIRYTIME(*data-area*)┐ └─INVALIDCOUNT(*data-area*)┐—
▶—└─LASTUSETIME(*data-area*)┐—◀

Conditions:

INVREQ, NOTAUTH, USERIDERR

API syntax

WAIT CONVID (APPC)

▶—WAIT CONVID(*name*)—└STATE(*cvda*)┘▶▶

Conditions:
INVREQ, NOTALLOC

WAIT EVENT

▶—WAIT EVENT—ECADDR(*ptr-value*)—└NAME(*name*)┘▶▶

Conditions:
INVREQ

WAIT EXTERNAL

▶—WAIT EXTERNAL—ECBLIST(*ptr-value*)—NUMEVENTS(*data-value*)—▶▶

└PURGEABLE┘
└PURGEABILITY(*cvda*)┘
└NOTPURGEABLE┘

└NAME(*name*)┘▶▶

Conditions:
INVREQ

WAIT JOURNALNUM

▶—WAIT JOURNALNUM(*data-value*)—└REQID(*data-value*)┘└STARTIO┘▶▶

Conditions:
INVREQ, IOERR, JIDERR, NOTOPEN

WAIT SIGNAL

▶—WAIT SIGNAL—▶▶

Conditions:
NOTALLOC, SIGNAL, TERMERR

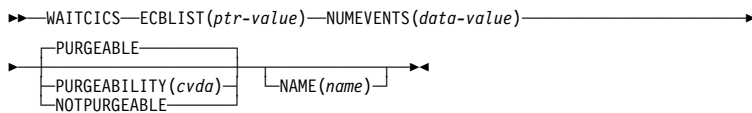
WAIT TERMINAL

▶—WAIT TERMINAL—└CONVID(*name*)┘
└SESSION(*name*)┘▶▶

Conditions:
INVREQ, NOTALLOC, SIGNAL

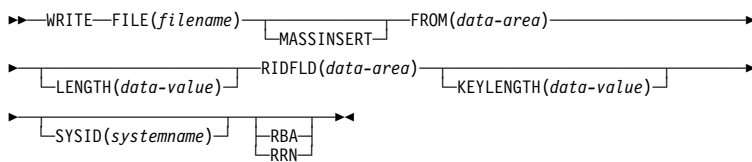
API syntax

WAITCICS



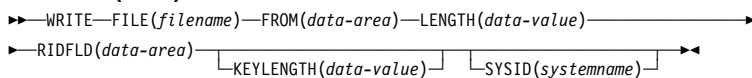
Conditions:
INVREQ

WRITE



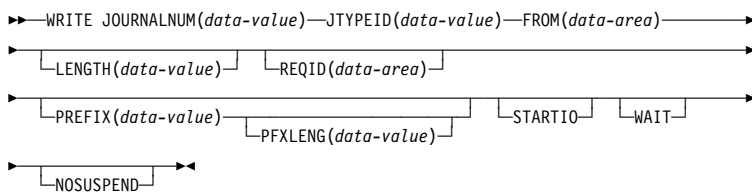
Conditions:
DISABLED, DUPREC, FILENOTFOUND, ILLOGIC, INVREQ,
IOERR, ISCVREQ, LENGERR, LOADING, NOSPACE,
NOTAUTH, NOTOPEN, SUPPRESSED, SYSIDERR

WRITE (UMT)



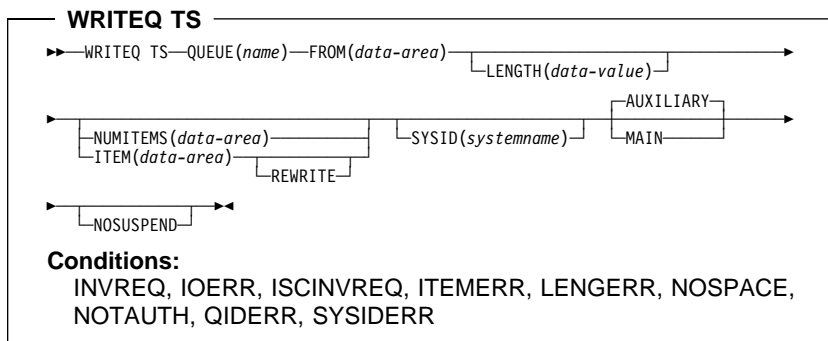
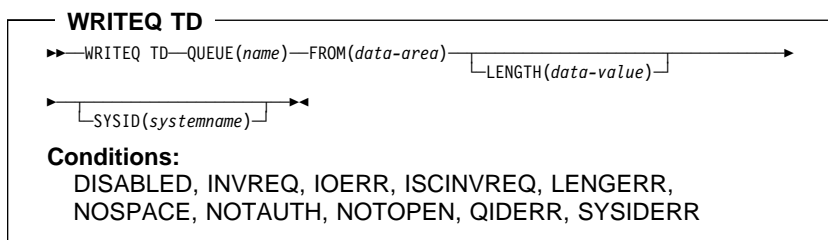
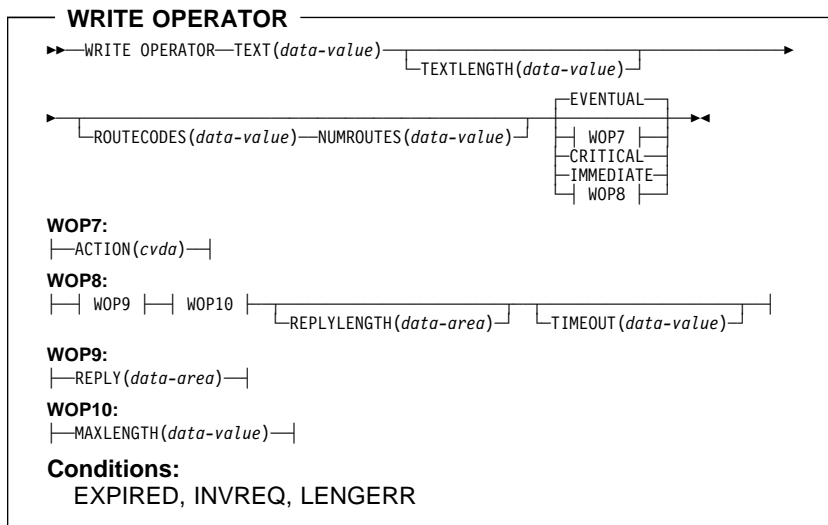
Conditions:
DISABLED, DUPREC, FILENOTFOUND, INVREQ, ISCVREQ,
LENGERR, LOADING, NOSPACE, NOTAUTH, NOTOPEN,
SUPPRESSED, SYSIDERR

WRITE JOURNALNUM

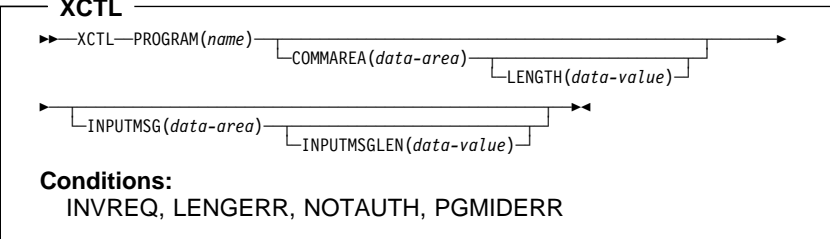


Conditions:
IOERR, JIDERR, LENGERR, NOJBUFSP, NOTAUTH, NOTOPEN

API syntax



API syntax

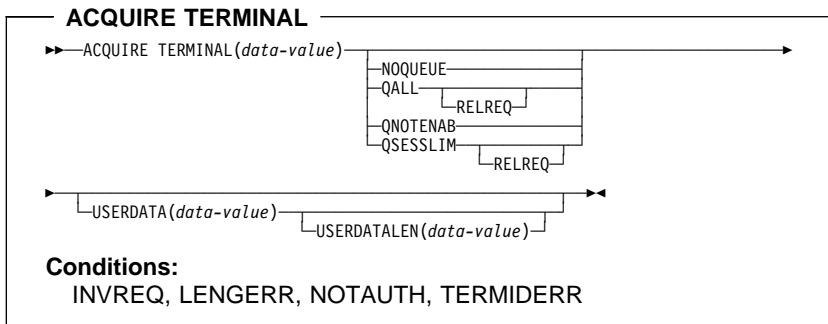


API syntax

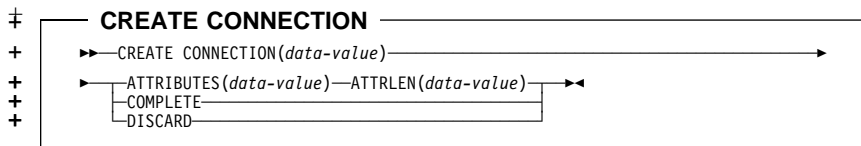
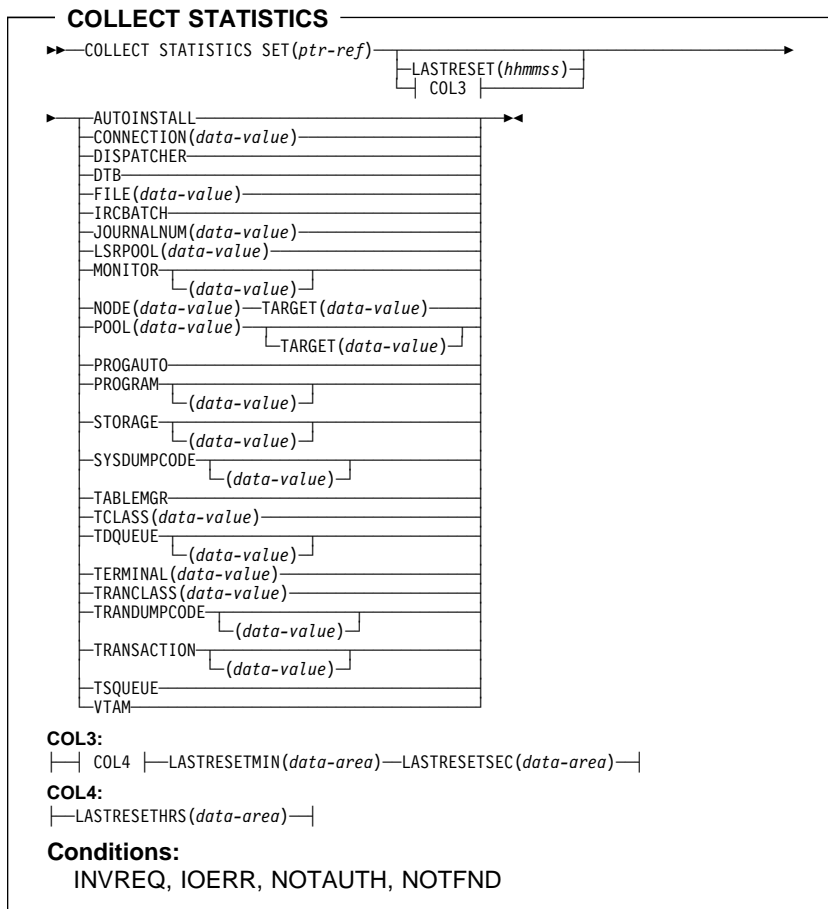
System Programming

Chapter 2. Command-level system programming

This chapter contains General-use Programming Interface information.

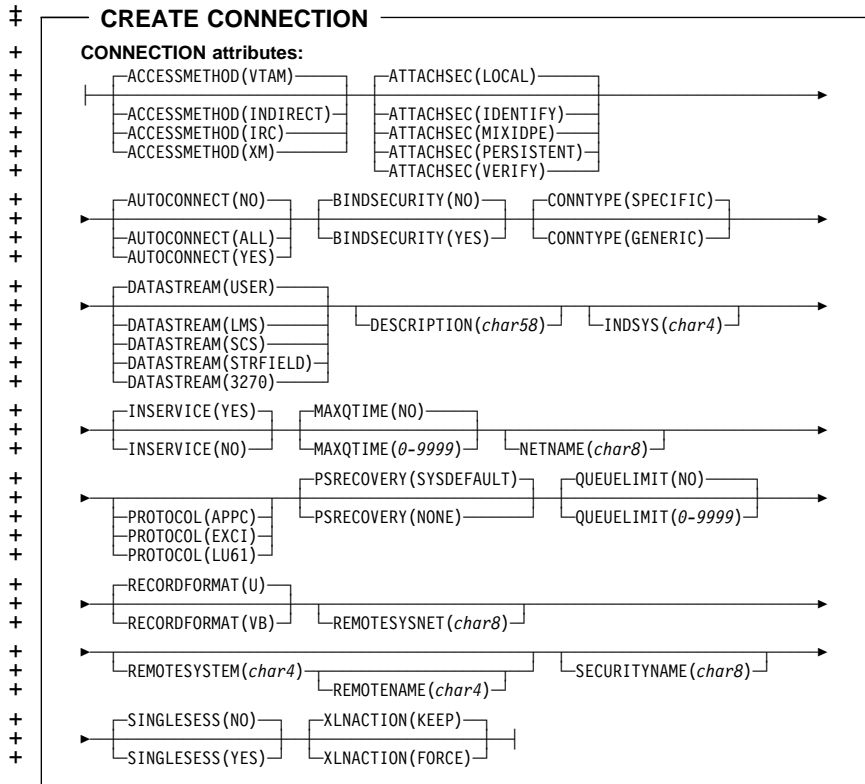


System Programming



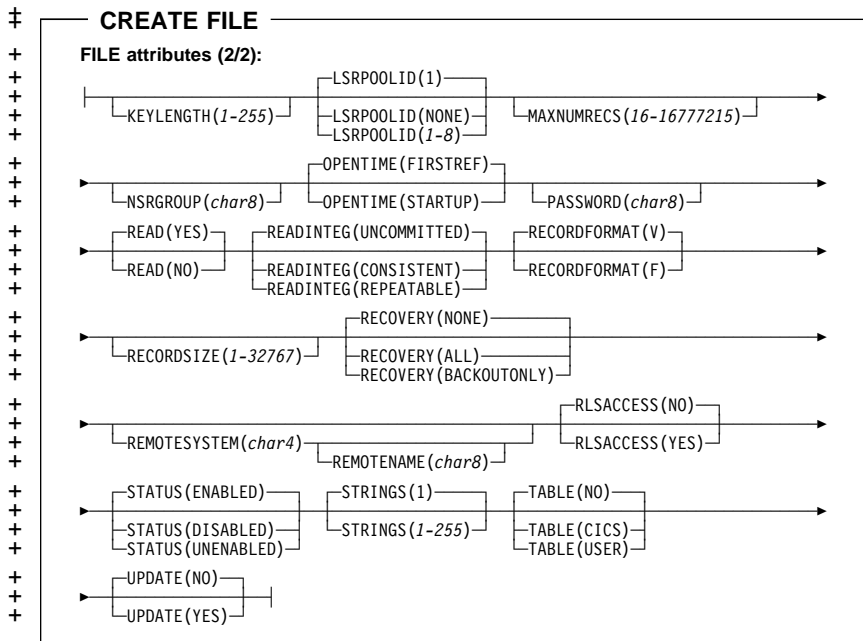
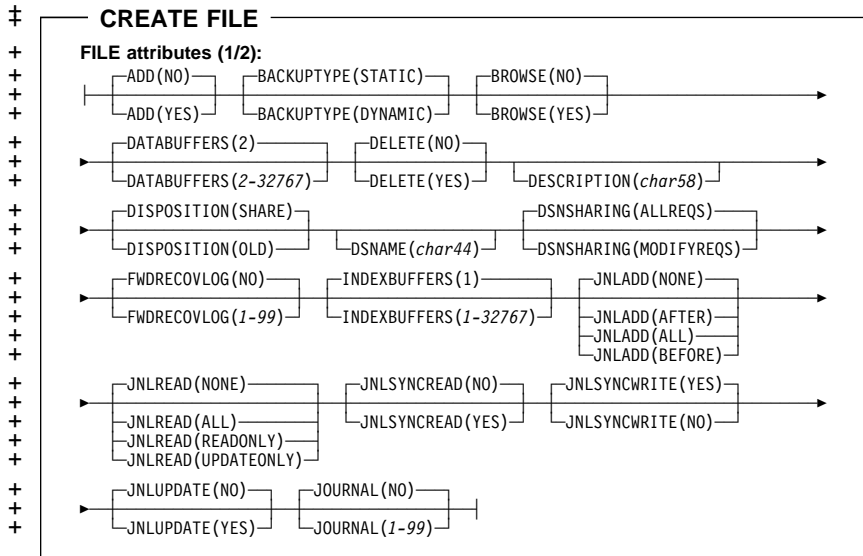
+ **Conditions:** ILLOGIC, INVREQ, LENGERR, NOTAUTH

System Programming



+ **Conditions:** ILLOGIC, INVREQ, LENGERR, NOTAUTH

System Programming



System Programming

```

‡ CREATE LSRPOOL
+ CREATE LSRPOOL(data-value)—ATTRIBUTES(data-value)—ATTRLEN(data-value)—

```

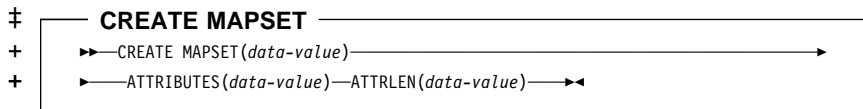
+ **Conditions:** ILLOGIC, INVREQ, LENGERR, NOTAUTH

```

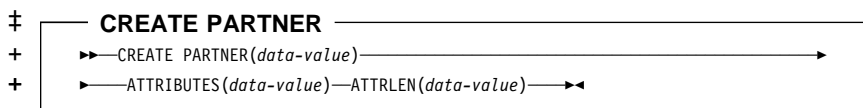
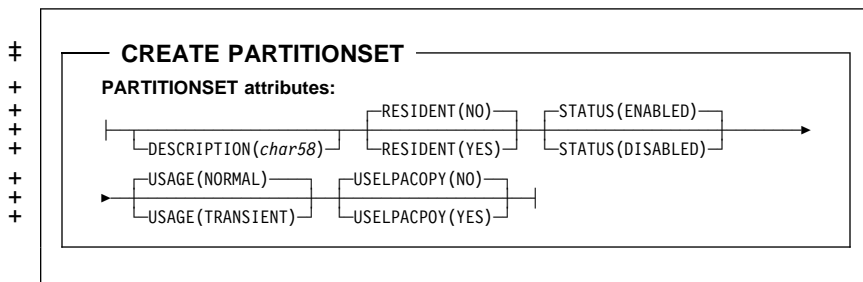
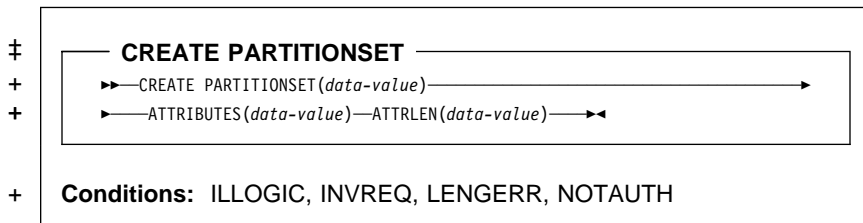
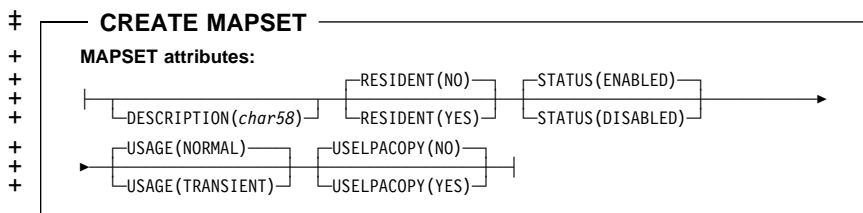
‡ CREATE LSRPOOL
+ LSRPOOL attributes:
+ DATA512(3-32767) DATA1K(3-32767) DATA2K(3-32767)
+ DATA4K(3-32767) DATA8K(3-32767) DATA12K(3-32767)
+ DATA16K(3-32767) DATA20K(3-32767) DATA24K(3-32767)
+ DATA28K(3-32767) DATA32K(3-32767) DESCRIPTION(char58)
+ HSDATA4K(0-16777215) HSDATA8K(0-16777215)
+ HSDATA12K(0-16777215) HSDATA16K(0-16777215)
+ HSDATA20K(0-16777215) HSDATA24K(0-16777215)
+ HSDATA28K(0-16777215) HSDATA32K(0-16777215)
+ HSINDEX4K(0-16777215) HSINDEX8K(0-16777215)
+ HSINDEX12K(0-16777215) HSINDEX16K(0-16777215)
+ HSINDEX20K(0-16777215) HSINDEX24K(0-16777215)
+ HSINDEX28K(0-16777215) HSINDEX32K(0-16777215)
+ INDEX512(3-32767) INDEX1K(3-32767) INDEX2K(3-32767)
+ INDEX4K(3-32767) INDEX8K(3-32767) INDEX12K(3-32767)
+ INDEX16K(3-32767) INDEX20K(3-32767) INDEX24K(3-32767)
+ INDEX28K(3-32767) INDEX32K(3-32767) LSRPOOLID(1)
+ LSRPOOLID(1-8)
+ SHARELIMIT(50)
+ MAXKEYLENGTH(0-255) SHARELIMIT(1-100) STRINGS(1-255)

```

System Programming

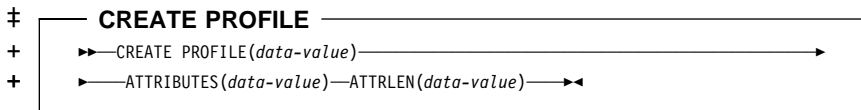
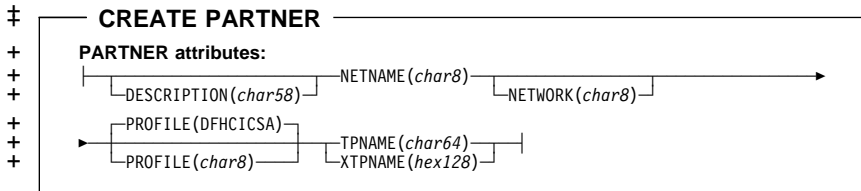


+ **Conditions:** ILLOGIC, INVREQ, LENGERR, NOTAUTH

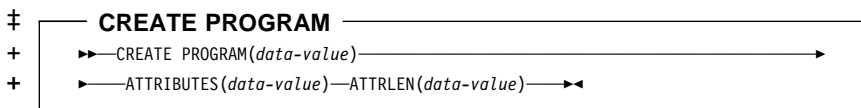
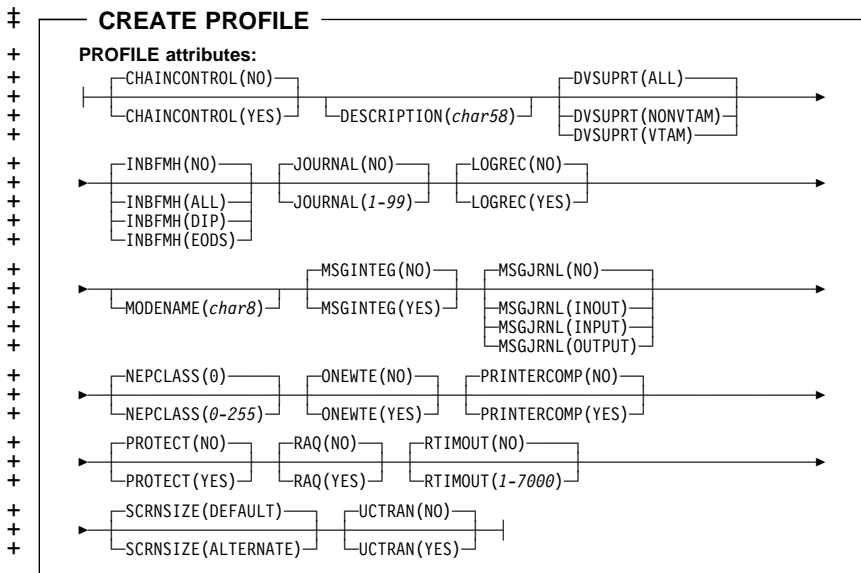


+ **Conditions:** ILLOGIC, INVREQ, LENGERR, NOTAUTH

System Programming

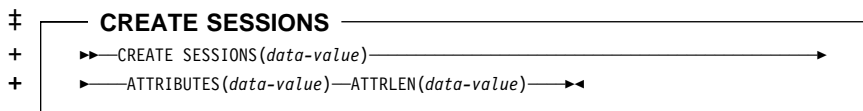
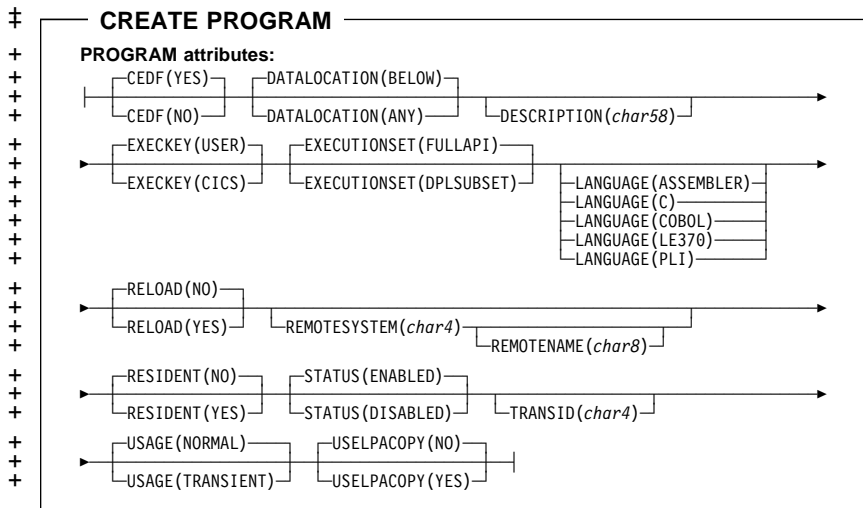


+ **Conditions:** ILLOGIC, INVREQ, LENGERR, NOTAUTH



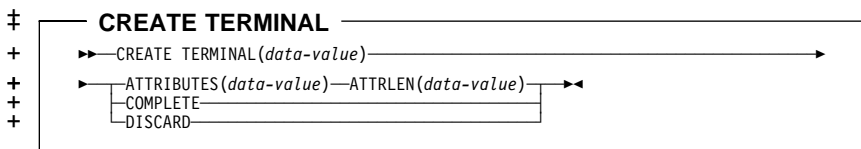
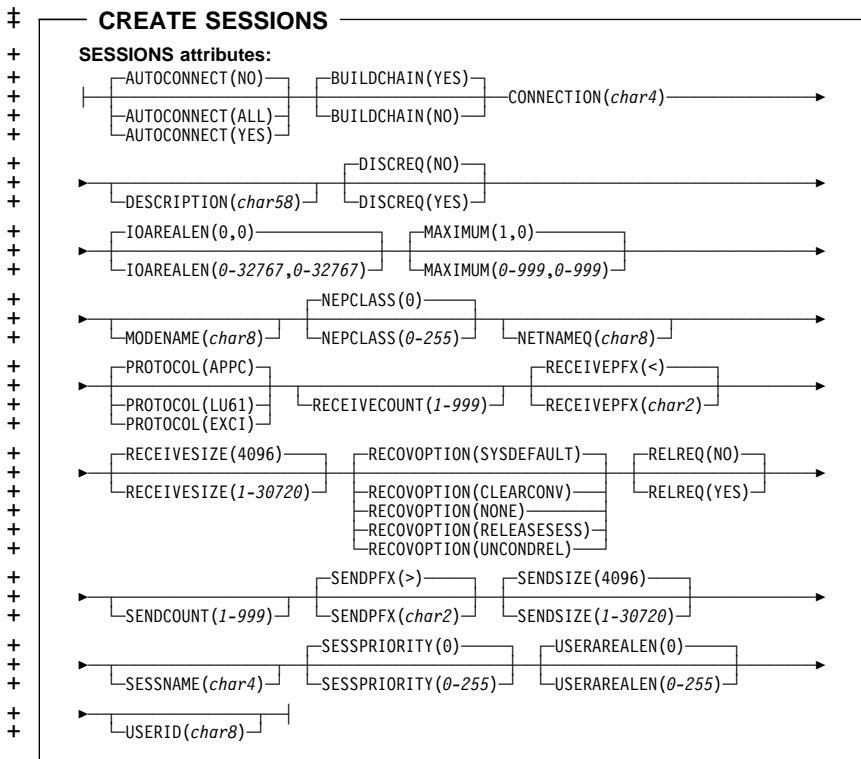
+ **Conditions:** ILLOGIC, INVREQ, LENGERR, NOTAUTH

System Programming



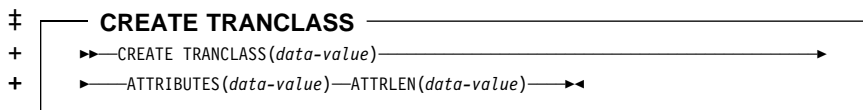
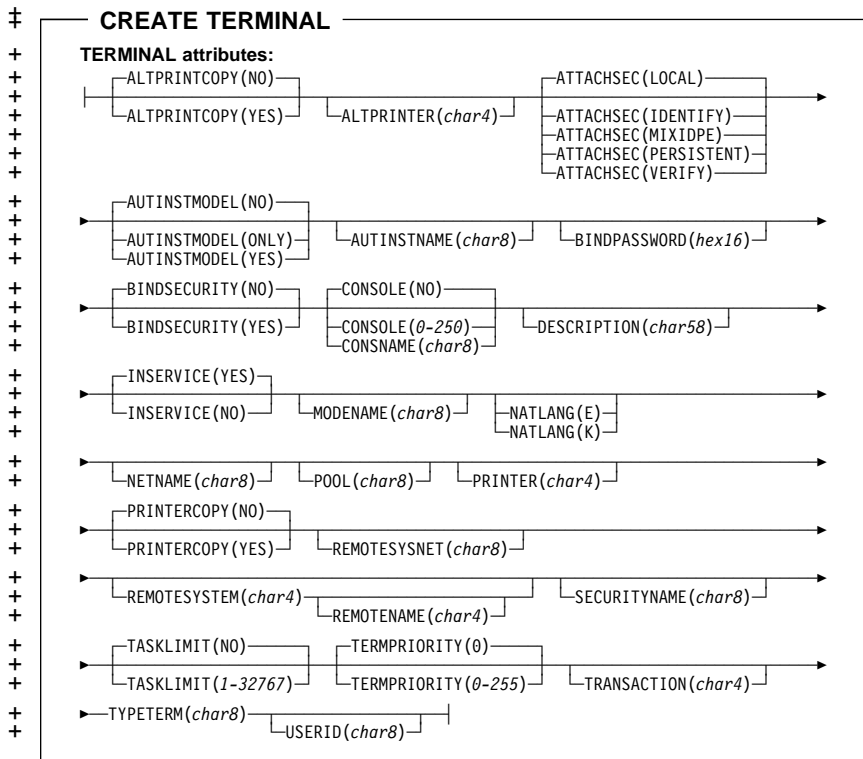
+ **Conditions:** ILLOGIC, INVREQ, LENGERR, NOTAUTH

System Programming

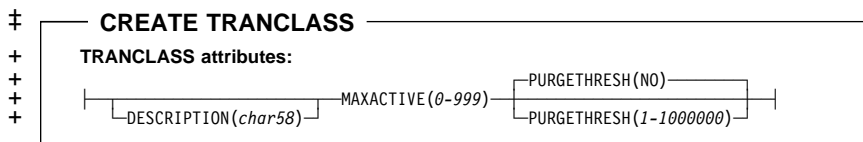


+ **Conditions:** ILLOGIC, INVREQ, LENGERR, NOTAUTH

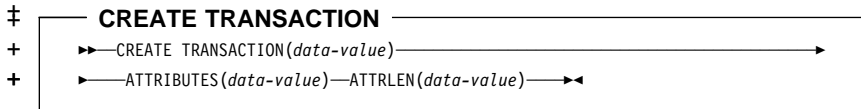
System Programming



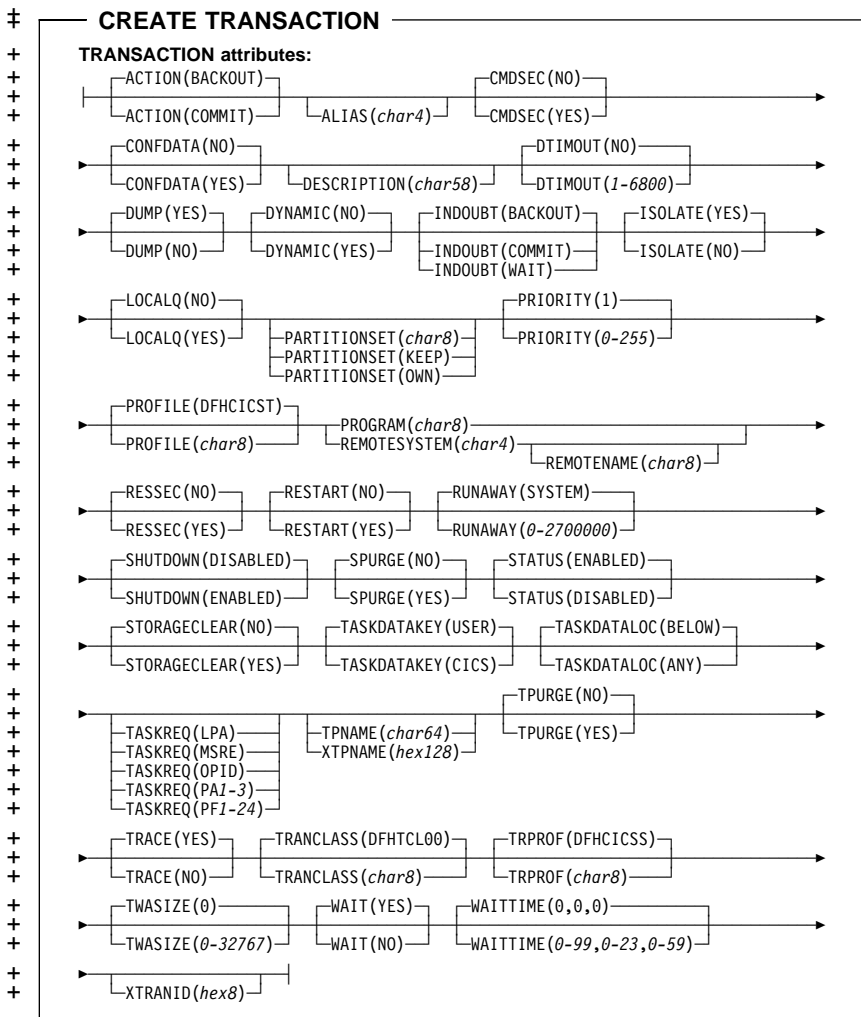
+ **Conditions:** ILLOGIC, INVREQ, LENGERR, NOTAUTH



System Programming



+ **Conditions:** ILLOGIC, INVREQ, LENGERR, NOTAUTH

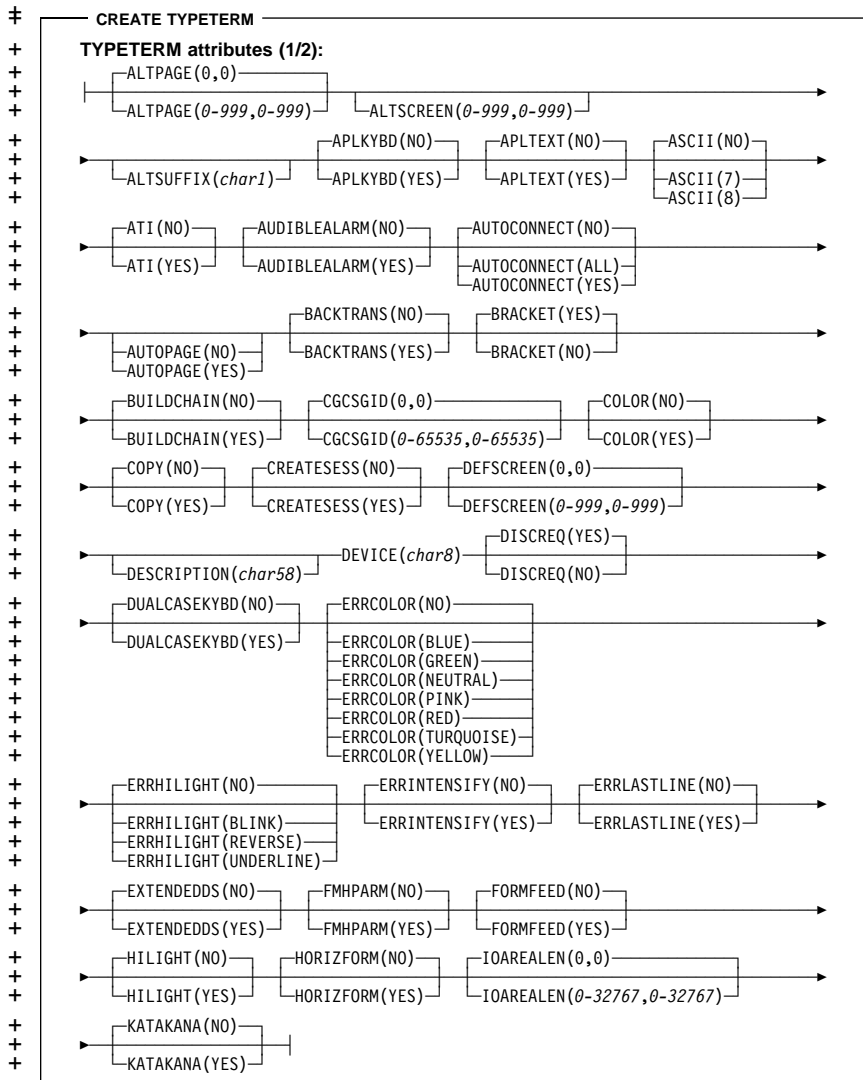


System Programming

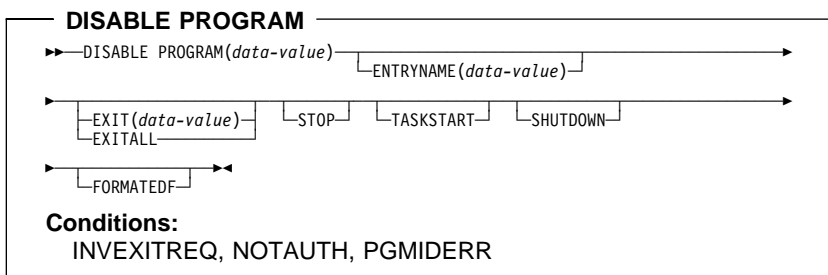
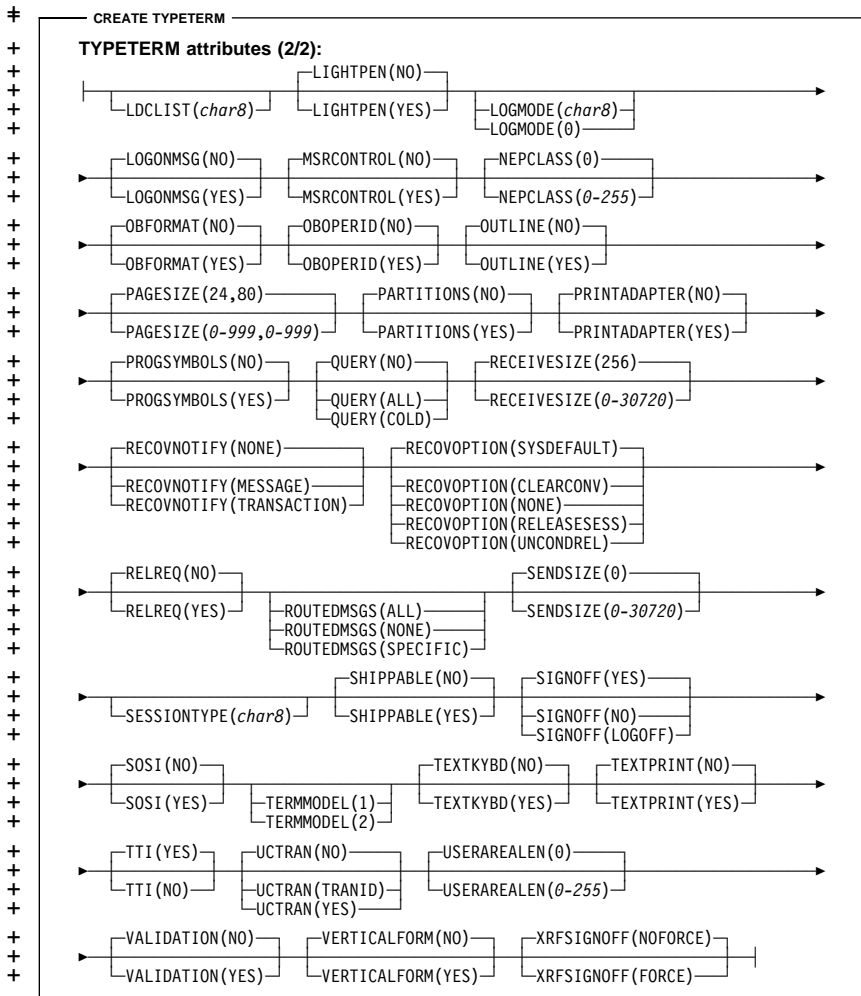
```

‡ CREATE TYPETERM
+   ──▶ CREATE TYPETERM(data-value)—ATTRIBUTES(data-value)—ATTRLEN(data-value)—◀
    
```

+ **Conditions:** ILLOGIC, INVREQ, LENGERR, NOTAUTH



System Programming



System Programming

DISCARD AUTINSTMODEL

▶—DISCARD AUTINSTMODEL(*data-value*)—▶

Conditions:

INVREQ, MODELIDERR, NOTAUTH

DISCARD FILE

▶—DISCARD FILE(*data-value*)—▶

Conditions:

FILENOTFOUND, INVREQ, NOTAUTH

DISCARD PARTNER

▶—DISCARD PARTNER(*data-value*)—▶

Conditions:

INVREQ, NOTAUTH, PARTNERIDERR

DISCARD PROFILE

▶—DISCARD PROFILE(*data-value*)—▶

Conditions:

INVREQ, NOTAUTH, PROFILEIDERR

DISCARD PROGRAM

▶—DISCARD PROGRAM(*data-value*)—▶

Conditions:

INVREQ, NOTAUTH, PGMIDERR

DISCARD TRANCLASS

▶—DISCARD TRANCLASS(*data-value*)—▶

Conditions:

INVREQ, NOTAUTH, TCIDERR

DISCARD TRANSACTION

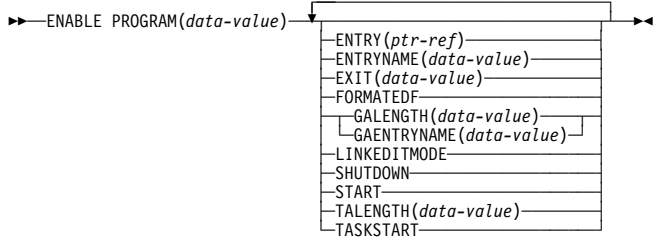
▶—DISCARD TRANSACTION(*data-value*)—▶

Conditions:

INVREQ, NOTAUTH, TRANSIDERR

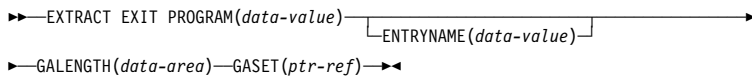
System Programming

ENABLE PROGRAM



Conditions:
INVEXITREQ, NOTAUTH

EXTRACT EXIT



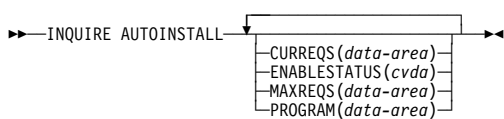
Conditions:
INVEXITREQ, NOTAUTH

INQUIRE AUTINSTMODEL



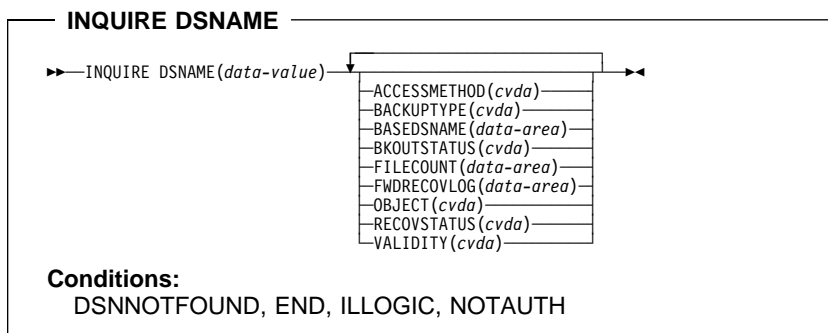
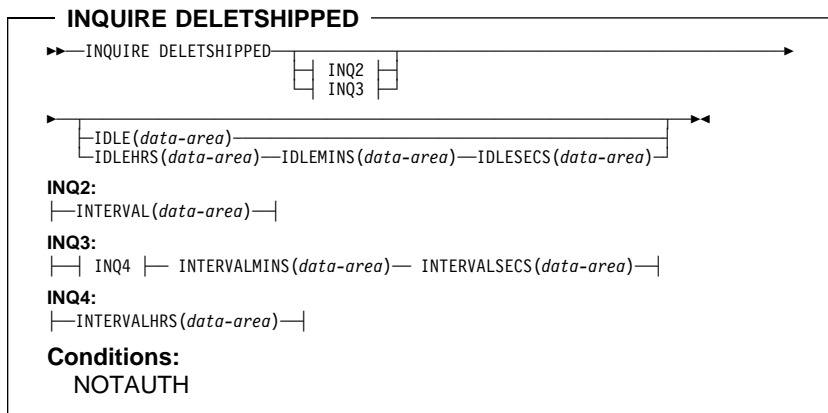
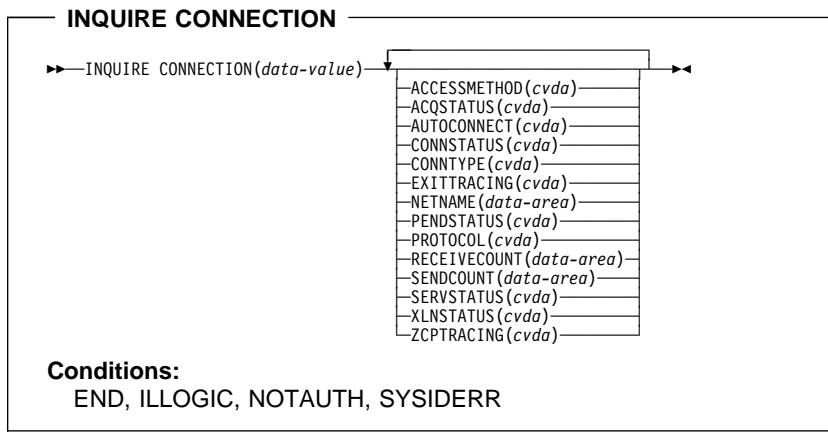
Conditions:
END, ILLOGIC, MODELIDERR, NOTAUTH

INQUIRE AUTOINSTALL

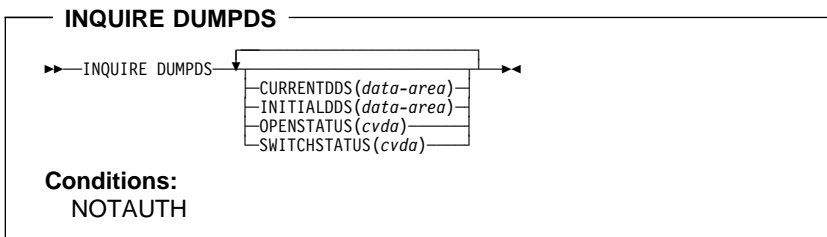


Conditions:
INVREQ, NOTAUTH

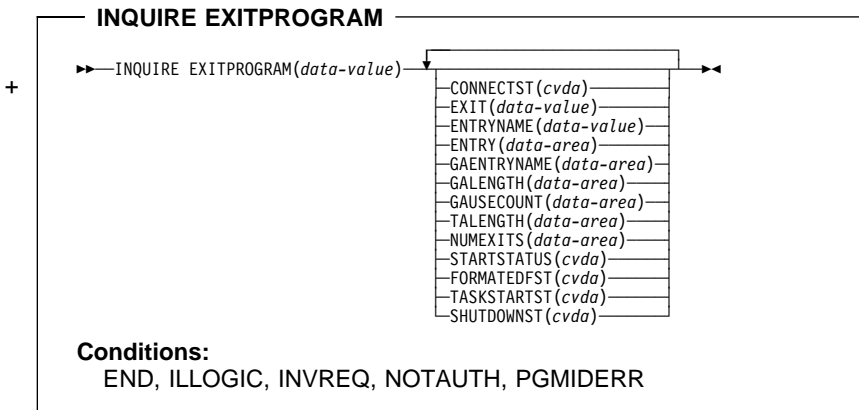
System Programming



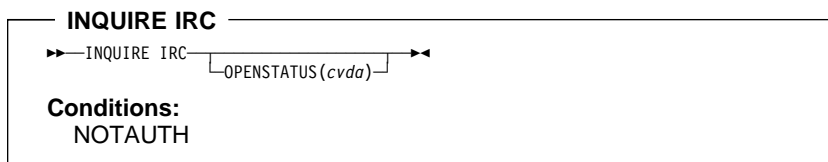
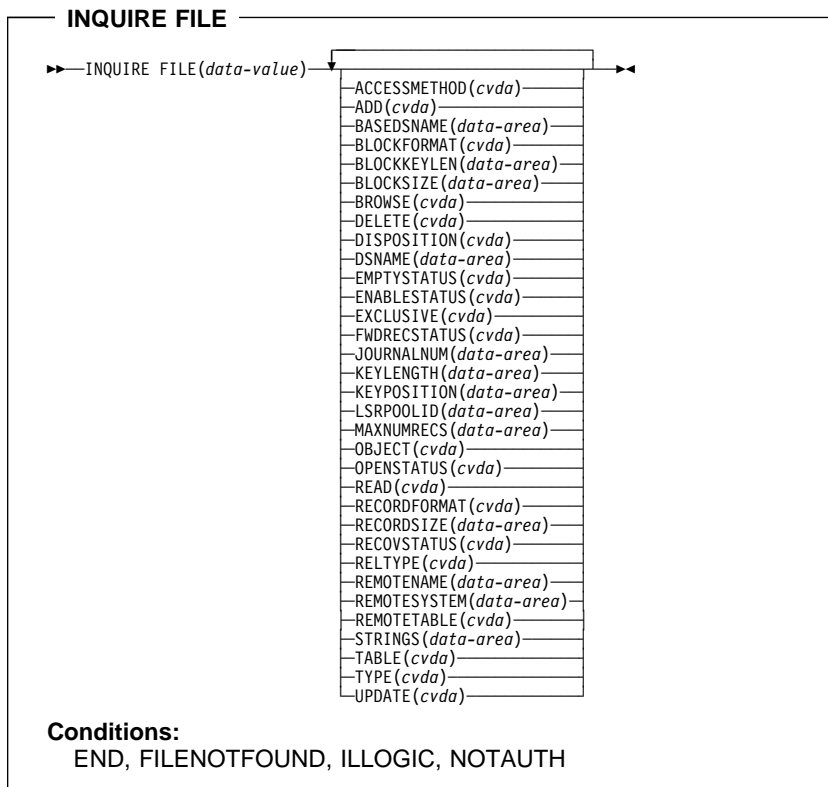
System Programming



Apar PN61497
Documentation for Apar PN61497 is in the next diagram

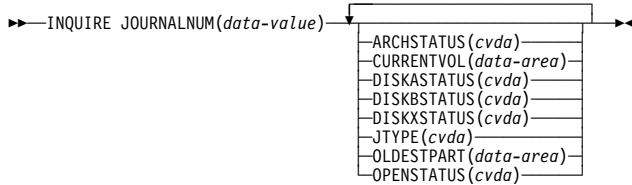


System Programming



System Programming

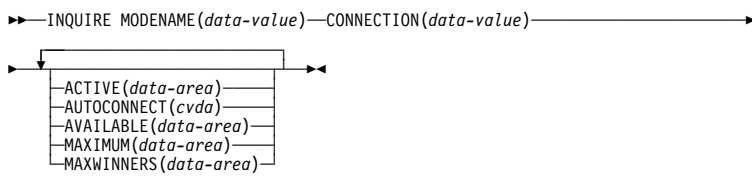
INQUIRE JOURNALNUM



Conditions:

END, ILLOGIC, IOERR, JIDERR, NOTAUTH

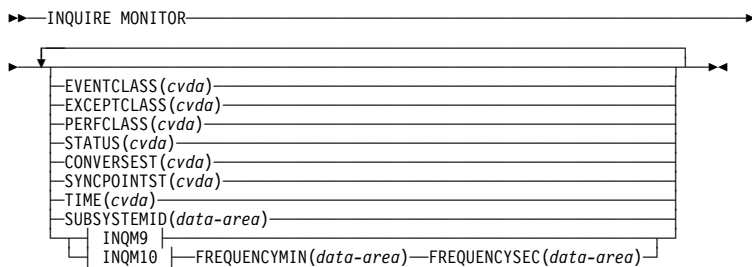
INQUIRE MODENAME



Conditions:

END, ILLOGIC, NOTAUTH, SYSIDERR

INQUIRE MONITOR



INQM9:

—FREQUENCY(*hhmmss*)—

INQM10:

—FREQUENCYHRS(*data-area*)—

Conditions: NOTAUTH

System Programming

INQUIRE NETNAME

▶▶ INQUIRE NETNAME(*data-value*) ———▶
└───┬───┘
 └───┘
 TERMINAL(*data-area*)

Conditions:
NOTAUTH, TERMIDERR

INQUIRE PARTNER

▶▶ INQUIRE PARTNER(*data-value*) ———▶
└───┬───┘
 └───┘
 NETWORK(*data-area*)
 NETNAME(*data-area*)
 PROFILE(*data-area*)
 TPNAME(*data-area*)
 TPNAMELEN(*data-area*)

Conditions:
END, ILLOGIC, NOTAUTH, PARTNERIDERR

INQUIRE PROFILE

▶▶ INQUIRE PROFILE(*data-value*) ———▶

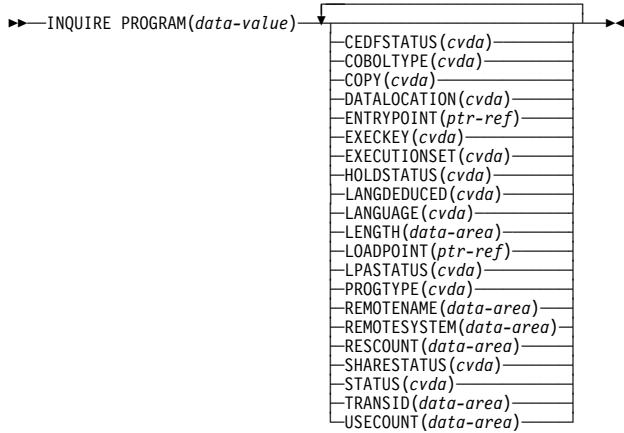
Conditions:
END, ILLOGIC, NOTAUTH, PROFILEIDERR

Apar PN79813

Documentation for Apar PN79813 added 19 February 1996

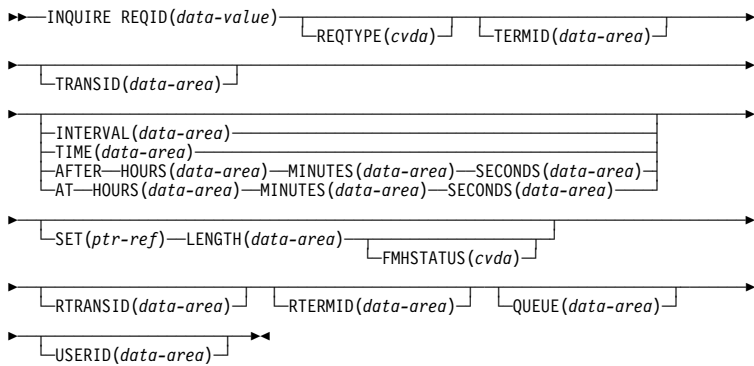
System Programming

INQUIRE PROGRAM



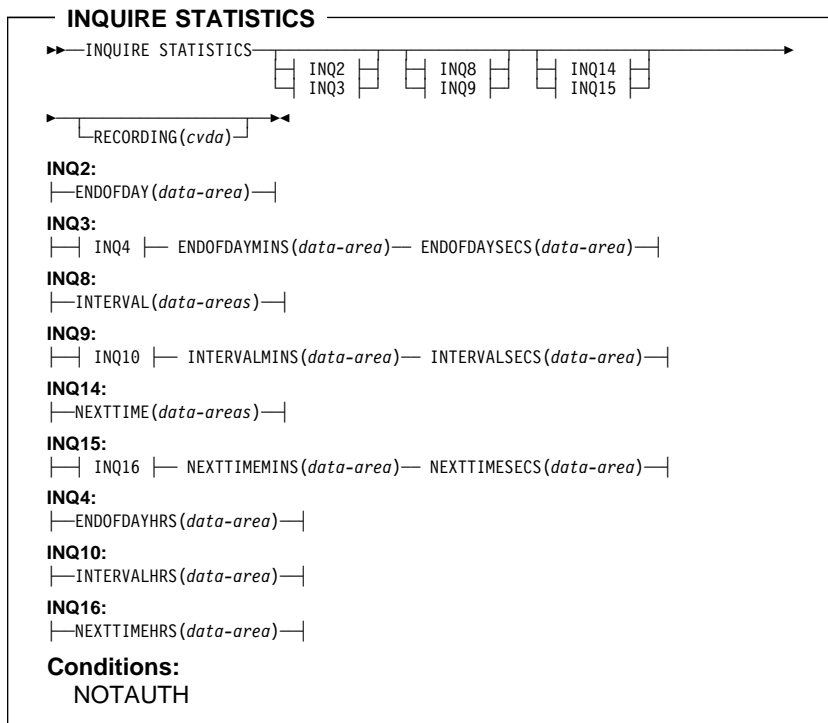
Conditions:
 END, ILLOGIC, NOTAUTH, PGMIDERR

INQUIRE REQID

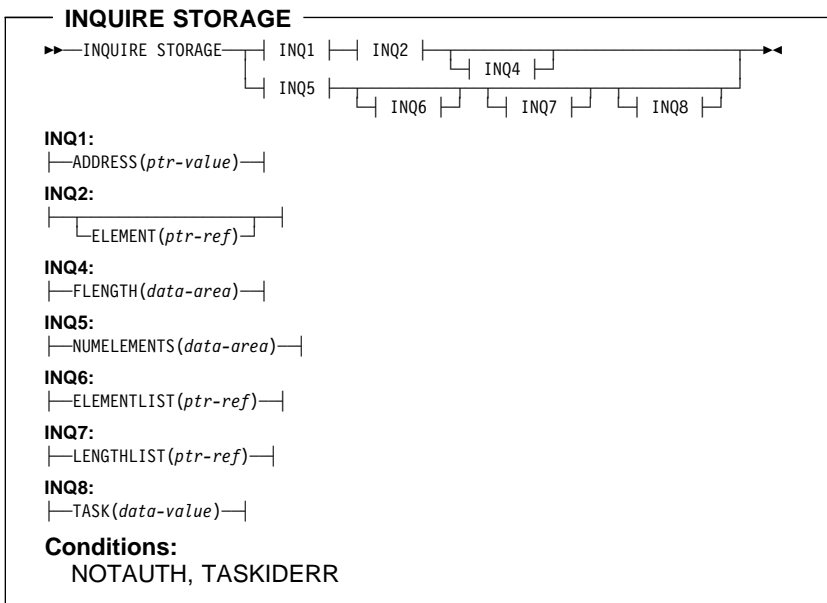


Conditions:
 INVREQ, NOTAUTH, NOTFND

System Programming

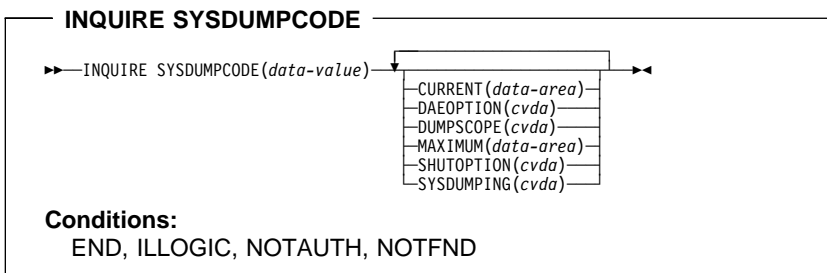


System Programming



Apar PN59157

Documentation for Apar PN59157 is in the next diagram



System Programming

INQUIRE SYSTEM	
INQUIRE SYSTEM	
+	-AKP (<i>data-area</i>)
	-CDSASIZE (<i>data-area</i>)
	-CICSSTATUS (<i>cvda</i>)
	-CICSSYS (<i>data-area</i>)
	-CMDPROTECT (<i>cvda</i>)
	-DFLTUSER (<i>data-area</i>)
	-DSALIMIT (<i>data-area</i>)
	-DTRPROGRAM (<i>data-area</i>)
	-DUMPING (<i>cvda</i>)
+	-ECDSASIZE (<i>data-area</i>)
+	-EDSALIMIT (<i>data-area</i>)
+	-ERDSASIZE (<i>data-area</i>)
+	-ESDSASIZE (<i>data-area</i>)
	-EUDSASIZE (<i>data-area</i>)
	-GMMTEXT (<i>data-area</i>) -GMMLENGTH (<i>data-area</i>)
	-GMMTRANID (<i>data-area</i>)
	-INITSTATUS (<i>cvda</i>)
	-JOBNAME (<i>data-area</i>)
	-MAXTASKS (<i>data-area</i>)
	-MROBATCH (<i>data-area</i>)
	-OPREL (<i>data-area</i>)
	-OPSYS (<i>data-area</i>)
	-PROGAUTOCTLG (<i>cvda</i>)
	-PROGAUTOEXIT (<i>data-area</i>)
	-PROGAUTOINST (<i>cvda</i>)
	-PRTYAGING (<i>data-area</i>)
	-RDSASIZE (<i>data-area</i>)
	-REENTPROTECT (<i>cvda</i>)
	-RELEASE (<i>data-area</i>)
	-RUNAWAY (<i>data-area</i>)
	-SCANDELAY (<i>data-area</i>)
	-SDSASIZE (<i>data-area</i>)
	-SECURITYMGR (<i>cvda</i>)
	-SHUTSTATUS (<i>cvda</i>)
	-SOSSSTATUS (<i>cvda</i>)
	-STARTUP (<i>cvda</i>)
	-STARTUPDATE (<i>data-area</i>)
+	-STOREPROTECT (<i>cvda</i>)
	-TIME (<i>data-area</i>)
	-TRANISOLATE (<i>cvda</i>)
	-UDSASIZE (<i>data-area</i>)
	-XRFSTATUS (<i>cvda</i>)

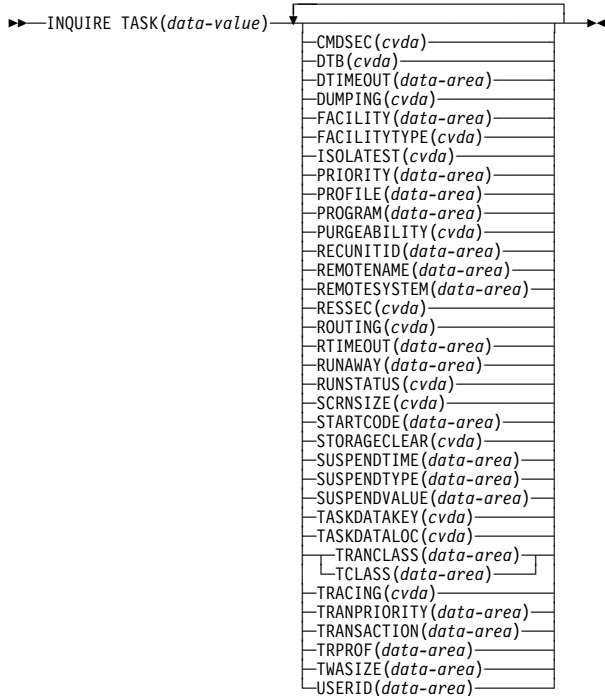
Conditions:
NOTAUTH

Apar PN76685

Documentation for Apar PN76685 added 17 November 1995

System Programming

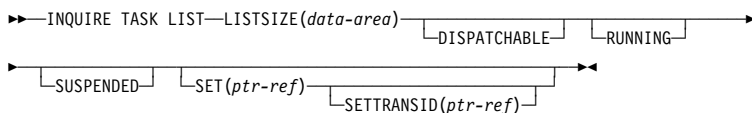
INQUIRE TASK



Conditions:

INVREQ, NOTAUTH, TASKIDERR

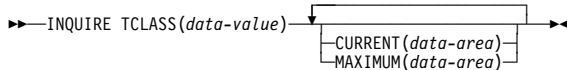
INQUIRE TASK LIST



Conditions:

NOTAUTH

INQUIRE TCLASS

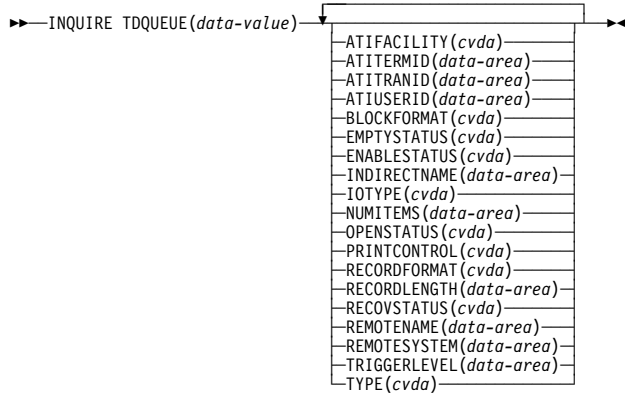


Conditions:

NOTAUTH, TCIDERR

System Programming

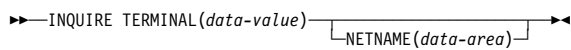
INQUIRE TDQUEUE



Conditions:

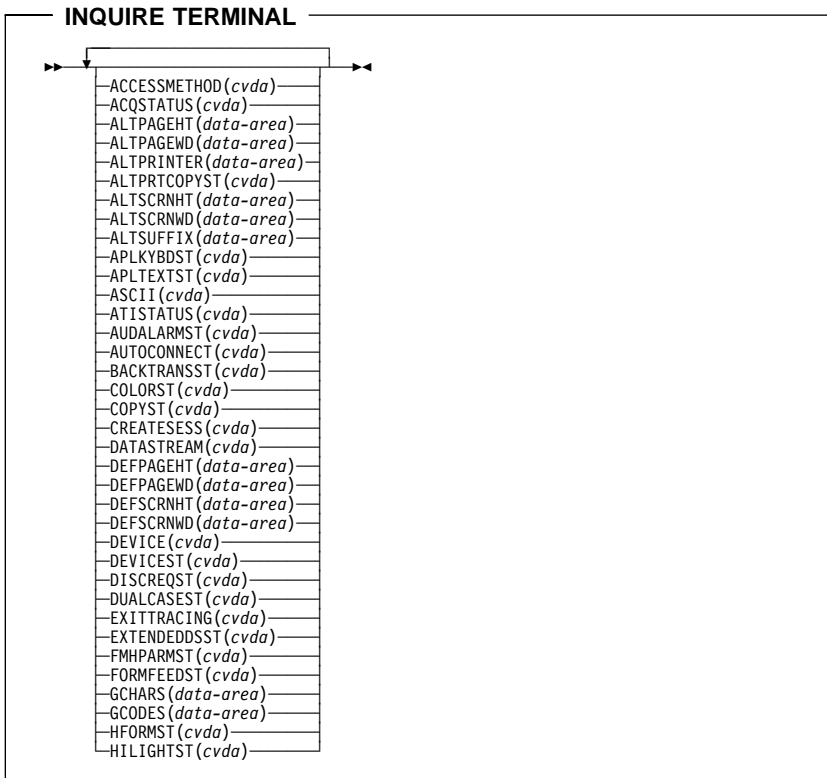
END, ILLOGIC, NOTAUTH, QIDERR

INQUIRE TERMINAL/NETNAME



System Programming

The following options apply to both the INQUIRE TERMINAL and the INQUIRE NETNAME command.



System Programming

Apar PN69050

Documentation for Apar PN69050 added 26 June 1995

INQUIRE TERMINAL

→ ←

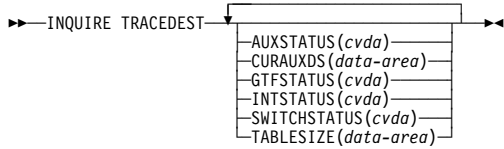
—	KATAKANAST (cvda)	—
—	LIGHTPENST (cvda)	—
—	MAPNAME (data-area)	—
—	MAPSETNAME (data-area)	—
—	MODENAME (data-area)	—
—	MSRCONTROLST (cvda)	—
—	NATLANG (data-area)	—
—	NATURE (cvda)	—
—	NEXTTRANSID (data-area)	—
—	OBFORMATST (cvda)	—
—	OBOPERIDST (cvda)	—
—	OPERID (data-area)	—
—	OUTLINEST (cvda)	—
—	PAGEHT (cvda)	—
—	PAGESTATUS (cvda)	—
—	PAGEWD (cvda)	—
—	PARTITIONSST (cvda)	—
—	PRINTADAPTST (cvda)	—
—	PRINTER (cvda)	—
—	PROGSYMBOLST (cvda)	—
—	PRTCOPIST (cvda)	—
—	QUERYST (cvda)	—
—	RELREQST (cvda)	—
—	REMOTENAME (data-area)	—
—	REMOTESYSTEM (data-area)	—
—	SCRNHT (data-area)	—
—	SCRNWD (data-area)	—
—	SECURITY (cvda)	—
—	SERVSTATUS (cvda)	—
—	SESSIONTYPE (cvda)	—
—	SIGNONSTATUS (cvda)	—
—	SOSIST (cvda)	—
—	TASKID (data-area)	—
—	TCAMCONTROL (data-area)	—
—	TERMMODEL (data-area)	—
—	TERMPRIORITY (data-area)	—
—	TERMSTATUS (data-area)	—
—	TEXTKYBDST (cvda)	—
—	TEXTPRINTST (cvda)	—
—	TRACING (cvda)	—
—	TRANSACTION (data-area)	—
—	TTI STATUS (cvda)	—
—	UCTRANST (cvda)	—
—	USERAREA (ptr-ref)	—
—	USERAREALEN (data-area)	—
—	USERID (data-area)	—
—	USERNAME (data-area)	—
—	VALIDATIONST (data-area)	—
—	VFORMST (cvda)	—
—	ZCPTRACING (cvda)	—

Conditions:

END, ILLOGIC, NOTAUTH, TERMIDERR

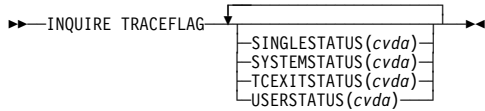
System Programming

INQUIRE TRACEDEST



Conditions:
NOTAUTH

INQUIRE TRACEFLAG



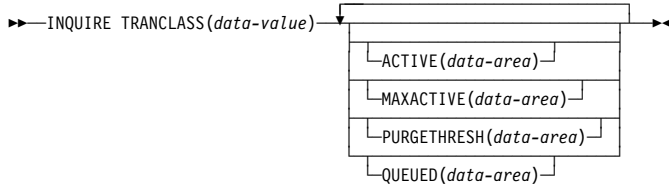
Conditions:
NOTAUTH

INQUIRE TRACETYPE



Conditions:
NOTAUTH, NOTFND

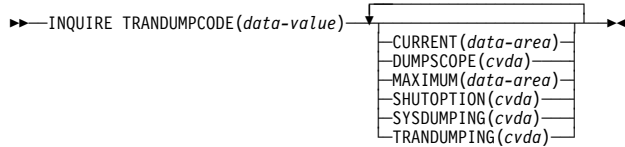
INQUIRE TRANCLASS



Conditions:
INVREQ, NOTAUTH, TCIDERR

System Programming

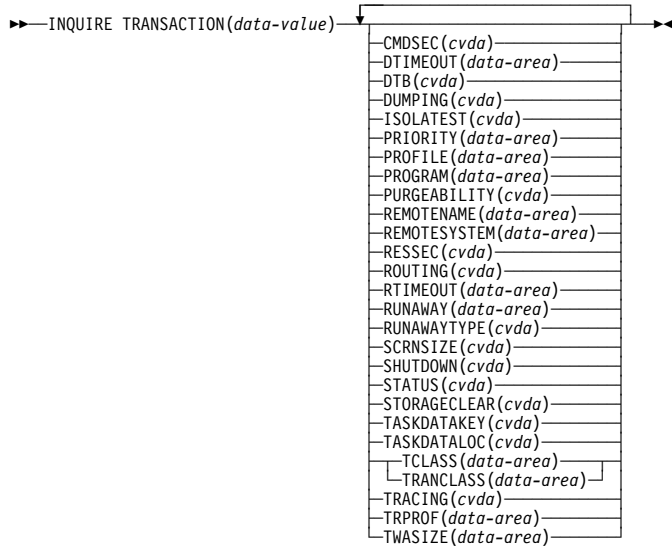
INQUIRE TRANDUMPCODE



Conditions:

END, ILLOGIC, NOTAUTH, NOTFND

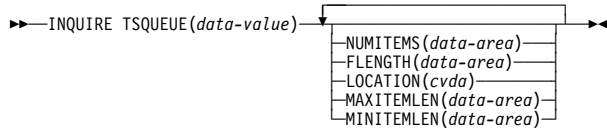
INQUIRE TRANSACTION



Conditions:

END, ILLOGIC, INVREQ, NOTAUTH, TRANSIDERR

INQUIRE TSQUEUE

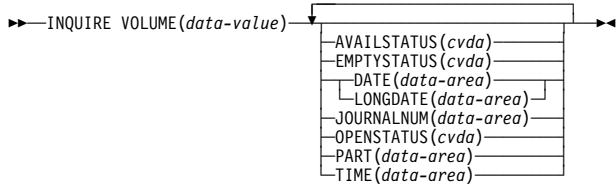


Conditions:

END, ILLOGIC, NOTAUTH, QIDERR

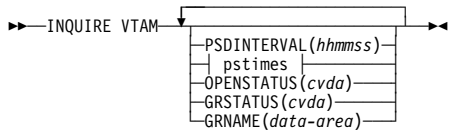
System Programming

INQUIRE VOLUME



Conditions:
END, ILLOGIC, JIDERR, NOTAUTH, VOLIDERR

INQUIRE VTAM



pstimes:
|—PSDINTHRS(*data-area*)—PSDINTMINS(*data-area*)—PSDINTSECS(*data-area*)—|

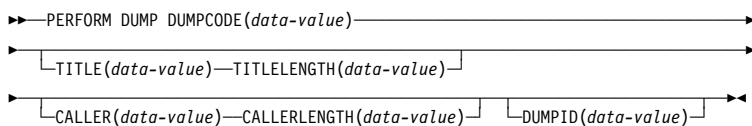
Conditions:
INVREQ, NOTAUTH

PERFORM DELETSHIPED



Conditions:
NOTAUTH

PERFORM DUMP



Conditions:
INVREQ, IOERR, NOSPACE, NOSTG, NOTAUTH,
SUPPRESSED, SYSBUSY

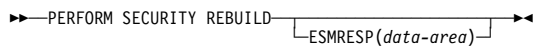
PERFORM RESETTIME



Conditions:
INVREQ, NOTAUTH

System Programming

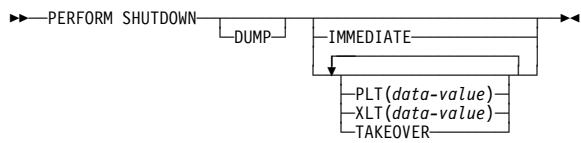
PERFORM SECURITY REBUILD



Conditions:

INVREQ, IOERR, NOTAUTH, SYSBUSY

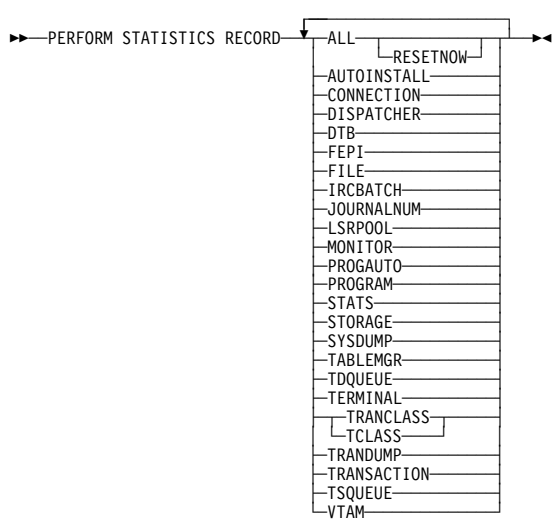
PERFORM SHUTDOWN



Conditions:

IOERR, INVREQ, NOTAUTH

PERFORM STATISTICS RECORD

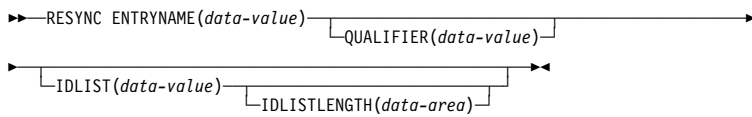


Conditions:

IOERR, NOTAUTH, NOTFND

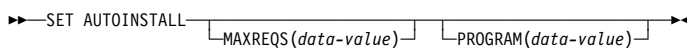
System Programming

RESYNC ENTRYNAME



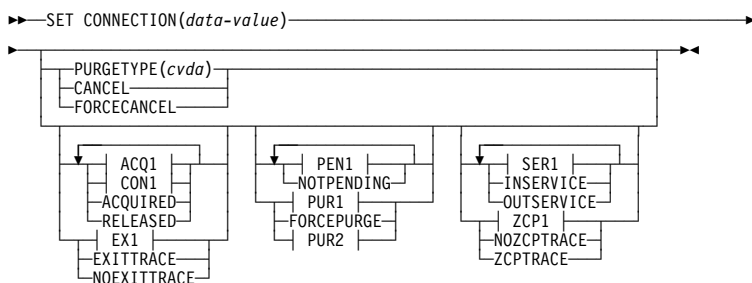
Conditions:
NOTAUTH

SET AUTOINSTALL



Conditions:
INVREQ, NOTAUTH, PGMIDERR

SET CONNECTION



ACQ1:
|—ACQSTATUS(*cvda*)—|

CON1:
|—CONNSTATUS(*cvda*)—|

EX1:
|—EXITTRACING(*cvda*)—|

PEN1:
|—PENDSTATUS(*cvda*)—|

PUR1:
|—PURGETYPE(*cvda*)—|

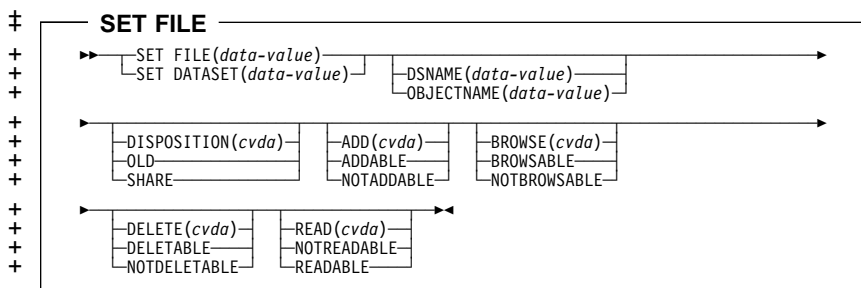
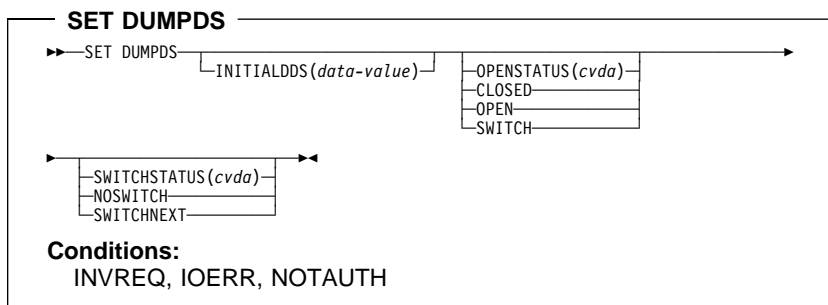
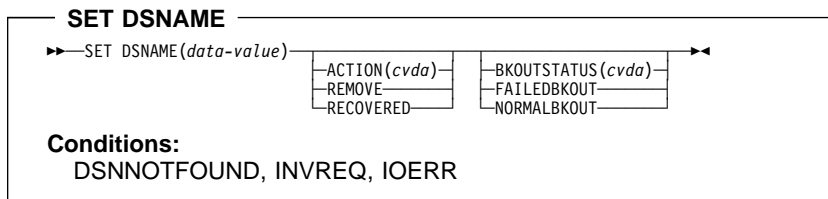
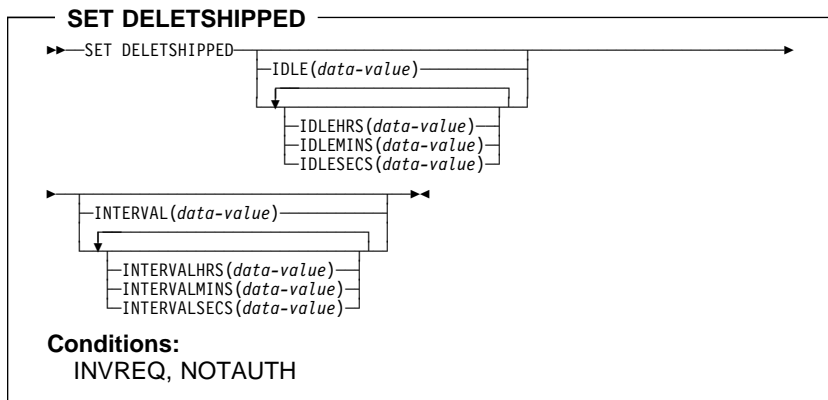
PUR2:
|—PURGE—|
|—FORCE—|

SER1:
|—SERVSTATUS(*cvda*)—|

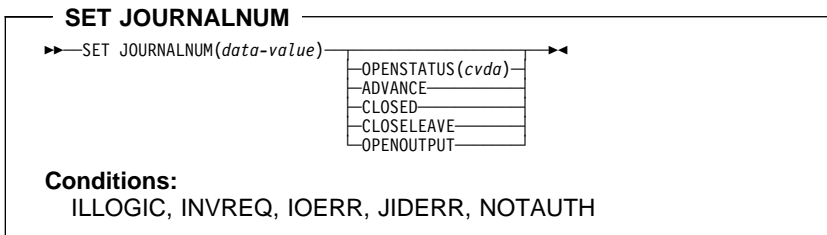
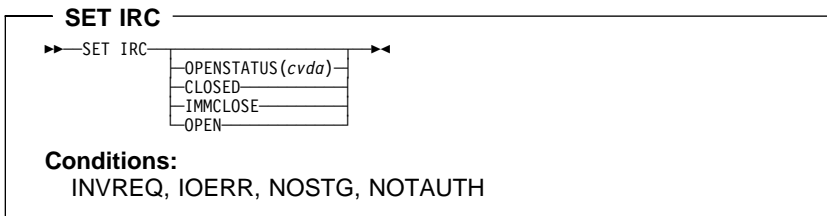
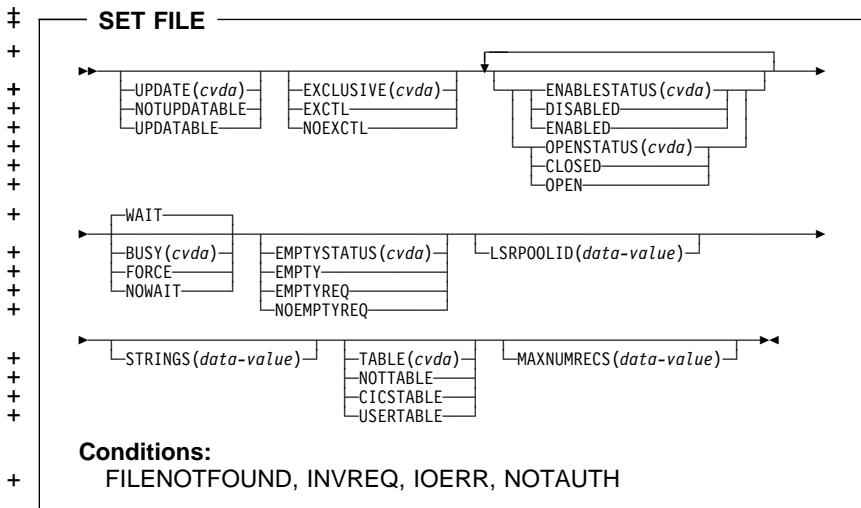
ZCP1:
|—ZCPTRACING(*cvda*)—|

Conditions:
INVREQ, NOTAUTH, SYSIDERR

System Programming

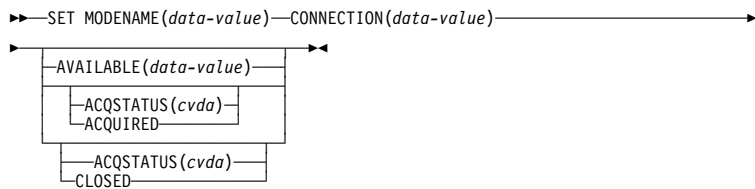


System Programming



System Programming

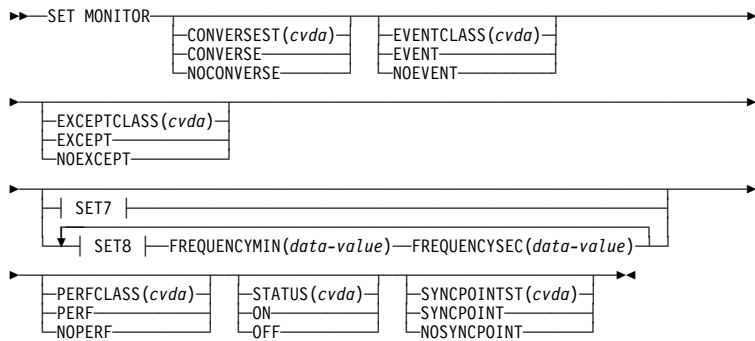
SET MODENAME



Conditions:

INVREQ, NOTAUTH, SYSIDERR

SET MONITOR



SET7:

—FREQUENCY(*data-value*)—

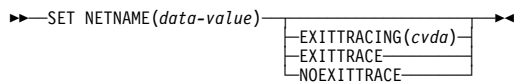
SET8:

—FREQUENCYHRS(*data-value*)—

Conditions:

INVREQ, NOTAUTH

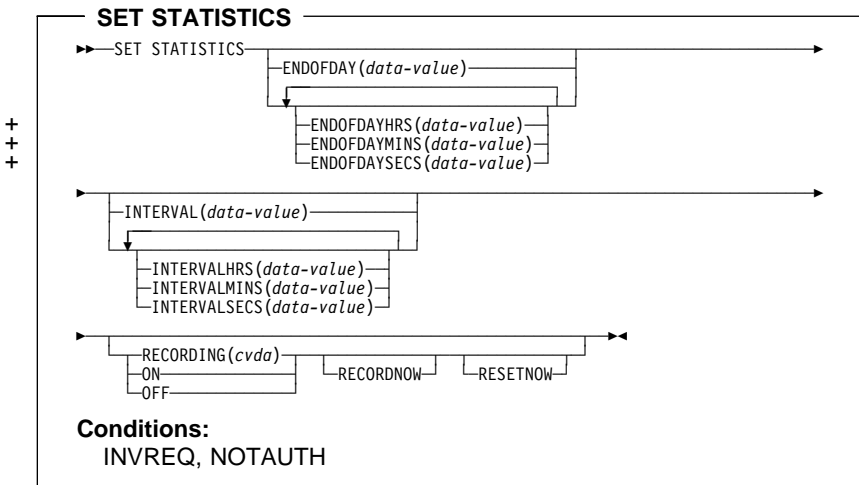
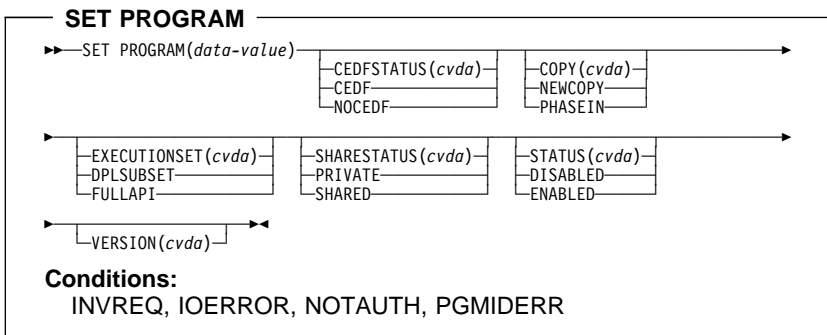
SET NETNAME



Conditions:

INVREQ, NOTAUTH

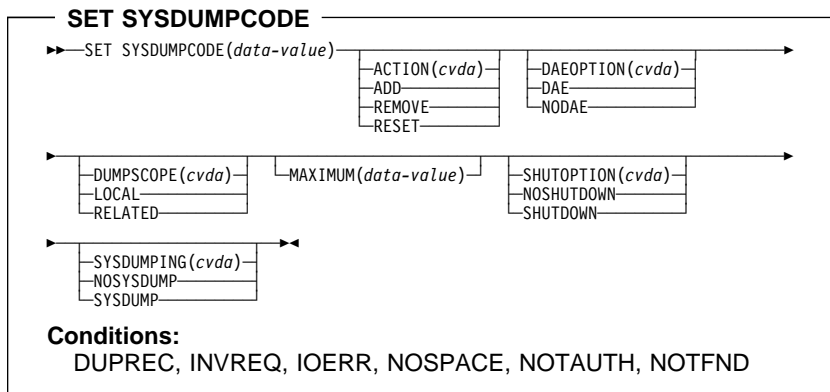
System Programming



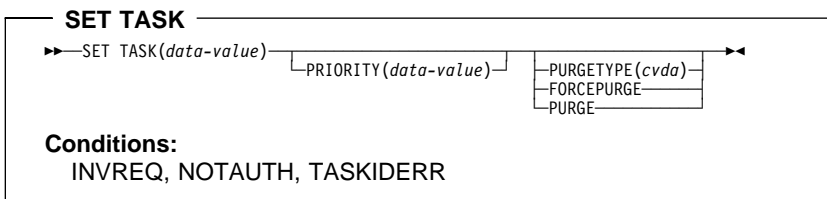
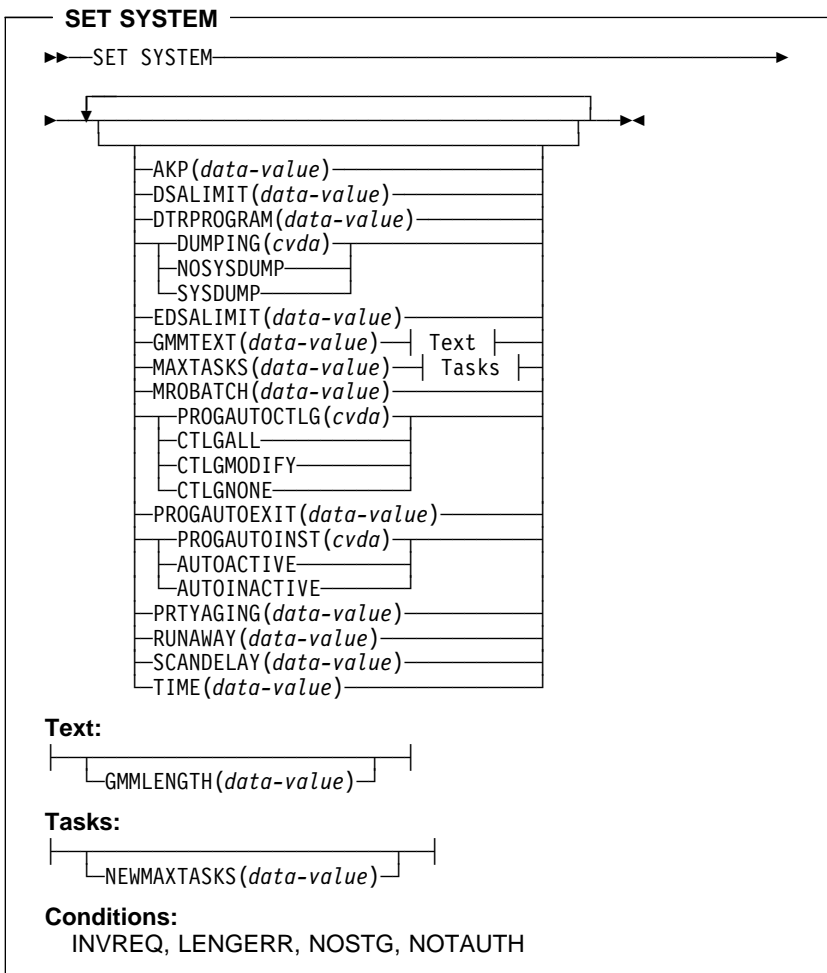
Apar PN59157

Documentation for Apar PN59157 is in the next diagram

System Programming



System Programming



System Programming

SET TCLASS

▶ SET TCLASS(*data-value*) ———▶
└─┬─┘ └─┬─┘
MAXIMUM(*data-value*)

Conditions:

INVREQ, NOTAUTH, TCIDERR

SET TDQUEUE

▶ SET TDQUEUE(*data-value*) ———▶

ENABLESTATUS(<i>cvda</i>)	OPENSTATUS(<i>cvda</i>)
DISABLED	CLOSED
ENABLED	OPEN

▶ └─┬─┘ └─┬─┘
ATIFACILITY(*cvda*) ATITERMID(*data-value*)
└─┬─┘
NOTERMINAL
TERMINAL

▶ └─┬─┘ └─┬─┘
ATITRANID(*data-value*) ATIUSERID(*data-value*)

▶ └─┬─┘
TRIGGERLEVEL(*data-value*)

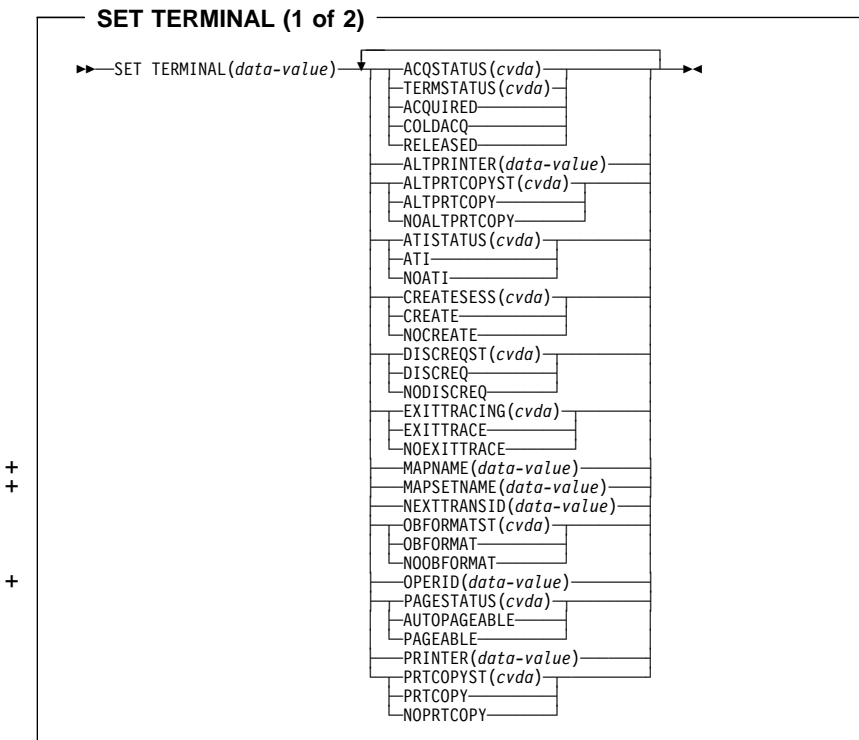
Conditions:

INVREQ, IOERR, NOTAUTH, QIDERR, USERIDERR

Apar PN69050

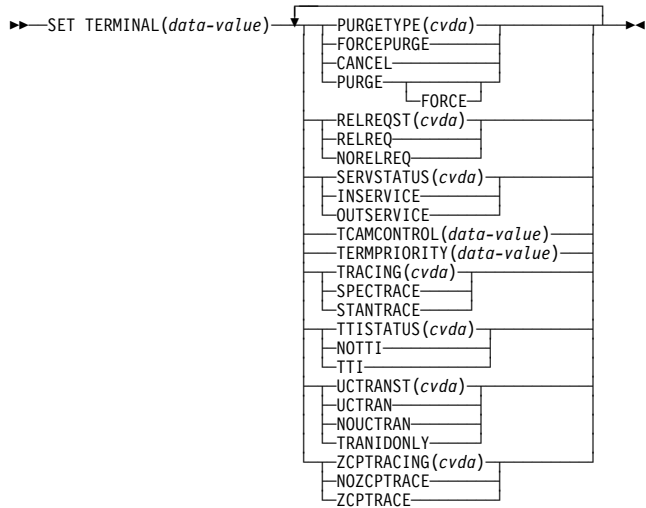
Documentation for Apar PN69050 added 13 June 1995

System Programming



System Programming

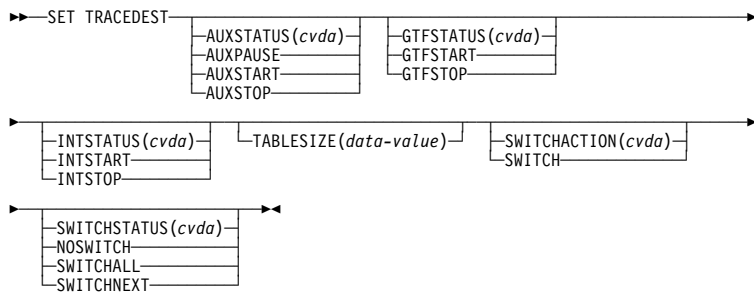
SET TERMINAL (2 of 2)



Conditions:

INVREQ, NOTAUTH, TERMIDERR

SET TRACEDEST

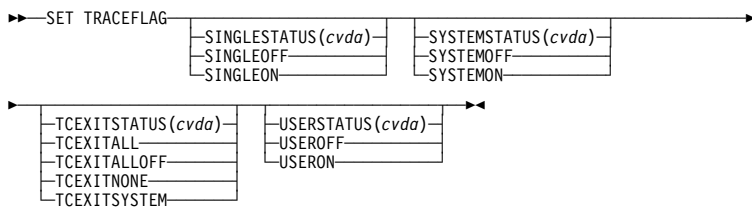


Conditions:

INVREQ, IOERR, NOSPAC, NOSTG, NOTAUTH

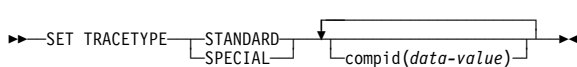
System Programming

SET TRACEFLAG



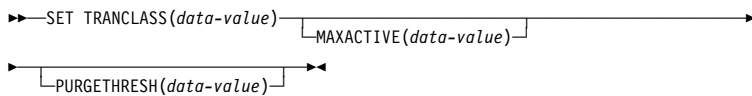
Conditions:
INVREQ, NOTAUTH

SET TRACETYPE



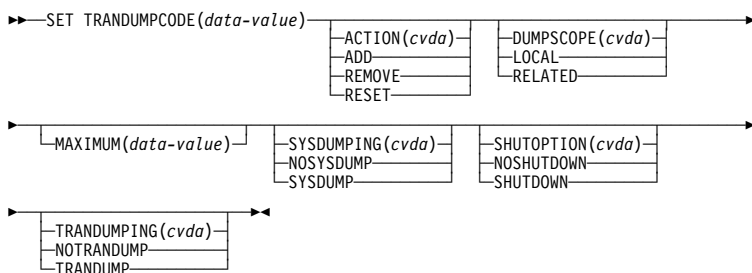
Conditions:
NOTAUTH, NOTFND

SET TRANCLASS



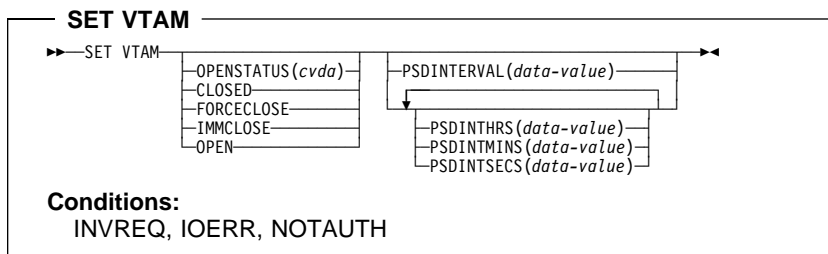
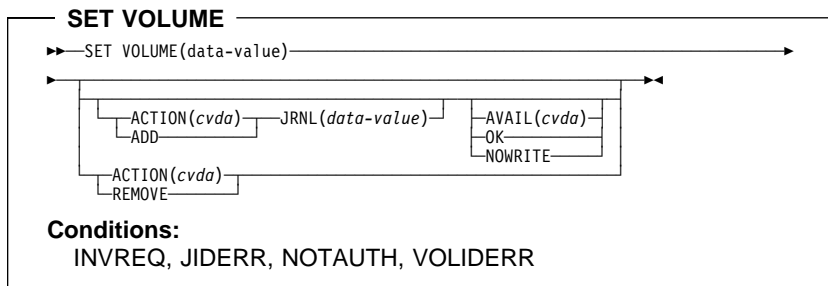
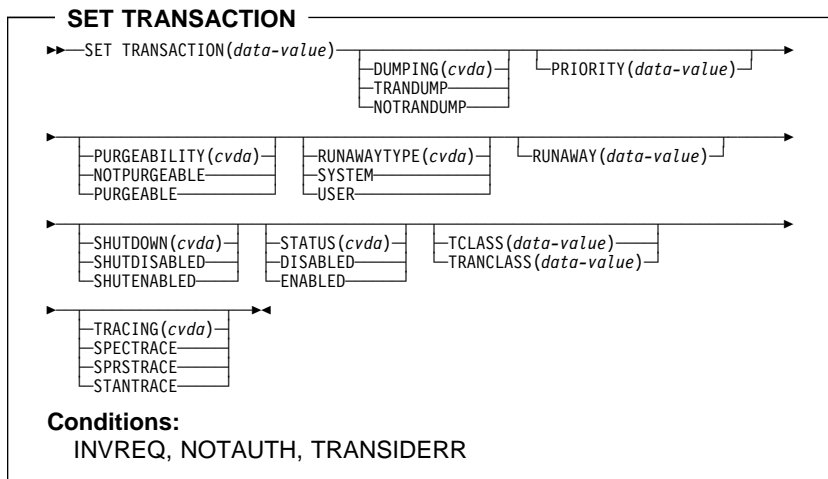
Conditions:
INVREQ, NOTAUTH, TCIDERR

SET TRANDUMPCODE



Conditions:
DUPREC, INVREQ, IOERR, NOSPACE, NOTAUTH, NOTFND

System Programming



CICS-supplied transactions

Chapter 3. CICS-supplied transactions

Some CICS-supplied transactions are menu driven while others can be entered as a command. Menus are provided wherever the transaction name appears on its own in the syntax descriptions on the pages that follow.

CEBT INQUIRE GTFTRACE

▶▶CEBT Inquire Gtftrace▶▶

CEBT INQUIRE SURVEILLANCE

▶▶CEBT Inquire SURveillance▶▶

CEBT PERFORM SHUTDOWN

▶▶CEBT Perform SHUTdown▶▶
└Dump┐ └Immediate┐

CEBT PERFORM SNAP

▶▶CEBT Perform SNAP▶▶

CEBT PERFORM TAKEOVER

▶▶CEBT Perform Takeover▶▶
└Dump┐

CEBT SET AUXTRACE

▶▶CEBT Set AUXtrace▶▶
└STArt┐ └NOswitch┐ └SWitch┐
└Pause┐ └NEXt┐
└STOp┐ └All┐

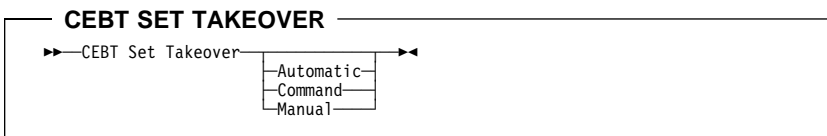
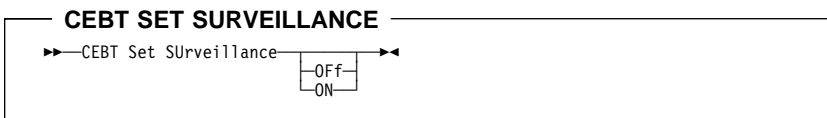
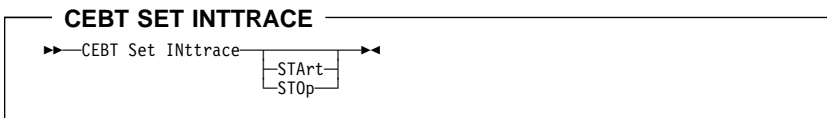
CEBT SET DUMP

▶▶CEBT Set DUmP▶▶
└Open┐ └Autoswitch┐
└Closed┐ └Noautoswitch┐
└Switch┐

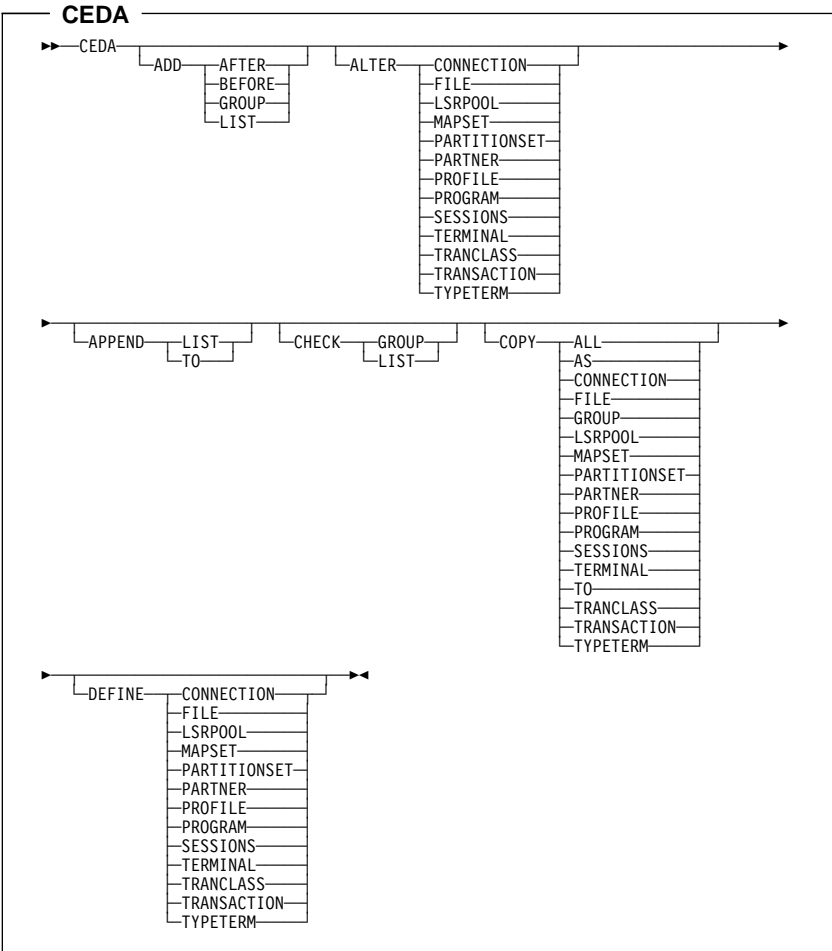
CEBT SET GTFTRACE

▶▶CEBT Set Gtftrace▶▶
└STArt┐
└STOp┐

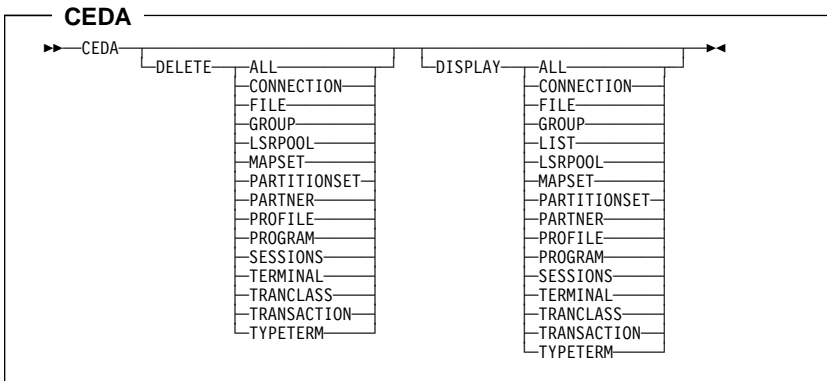
CICS-supplied transactions



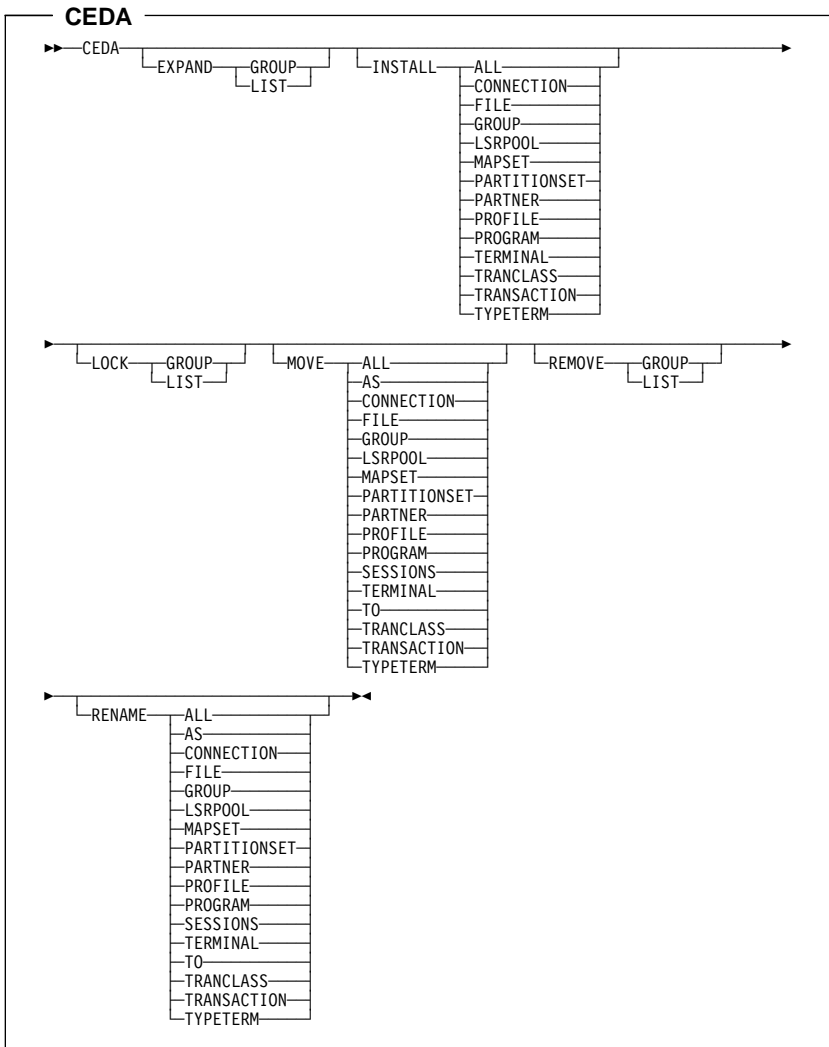
CICS-supplied transactions



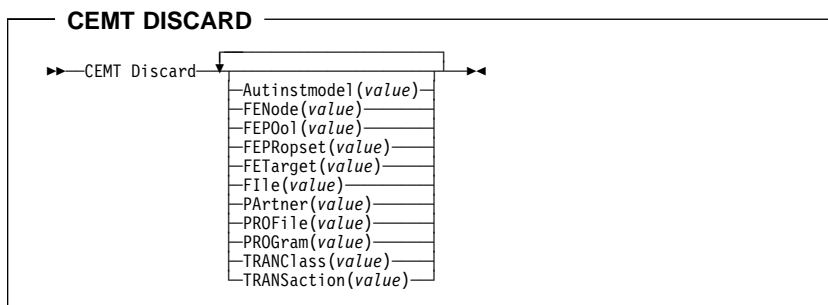
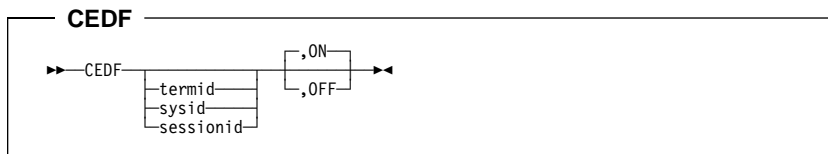
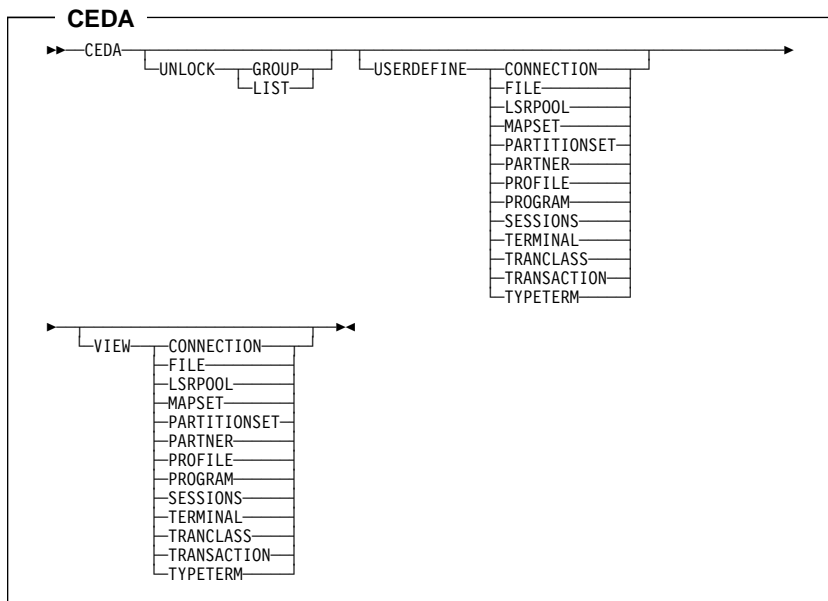
CICS-supplied transactions



CICS-supplied transactions



CICS-supplied transactions



CICS-supplied transactions

CEMT INQUIRE AUTOINSTALL

→ CEMT Inquire AUTOinstall →

CEMT INQUIRE AUXTRACE

→ CEMT Inquire AUXtrace →

CEMT INQUIRE CONNECTION

→ CEMT Inquire Connection →

(sysid) →
 AL1 → NEtname(value) →
 NOTpending →
 PENDING →

Inservice →
 OUTservice →

ACquired →
 Released →
 Obtaining →
 FReeing →
 AVailable →

XOk →
 XNotdone →

Vtam →
 IRC →
 XM →
 INDirect →
 XCf →

CEMT INQUIRE DELETSHIPED

→ CEMT Inquire DEletshipped →

CEMT INQUIRE DLIDATABASE

→ CEMT Inquire DLidatabase →

AL1 →
 (value) →

STArtd →
 STOppd →

ACcess →
 RO →
 RD →
 UP →
 EX →

Update →
 REAdonly →
 Error →

Ioerrorcount(value) →

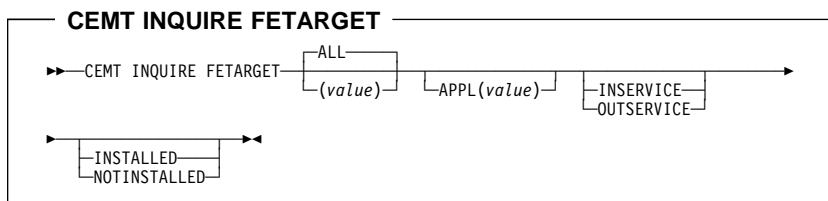
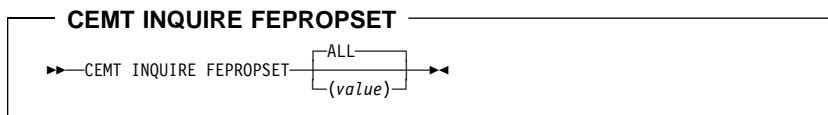
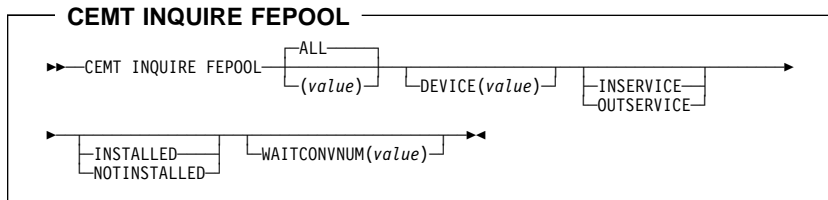
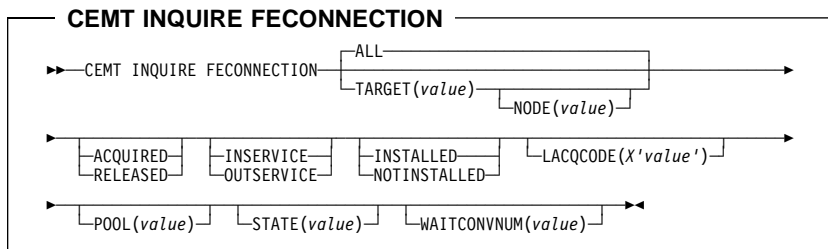
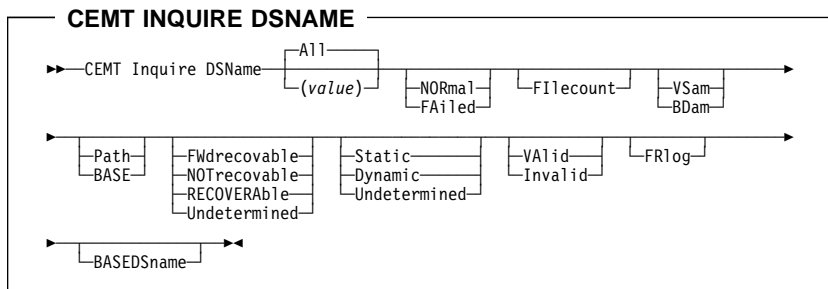
CEMT INQUIRE DSAS

→ CEMT Inquire →

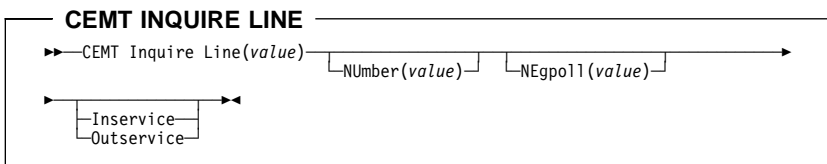
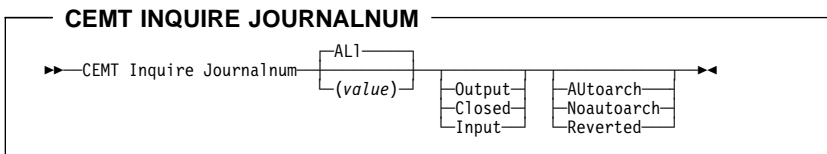
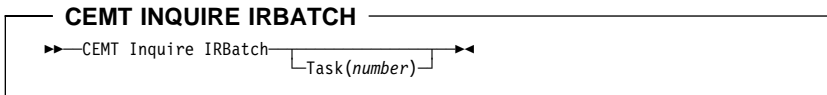
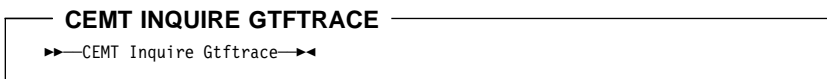
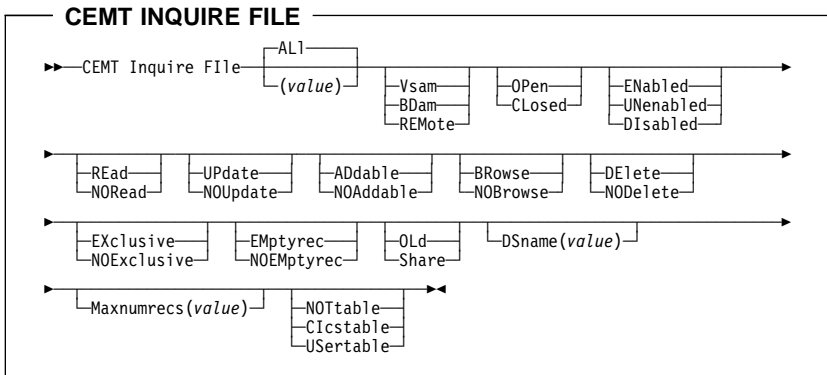
DSAs →

Cdsasize →
 DSalimit →
 ECdsasize →
 EDSalimit →
 ERdsasize →
 ESdsasize →
 EUdsasize →
 Rdsasize →
 Sdsasize →
 Udsasize →

CICS-supplied transactions

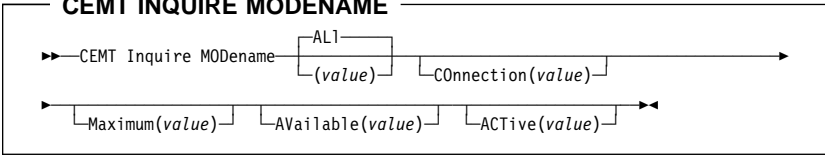


CICS-supplied transactions



CICS-supplied transactions

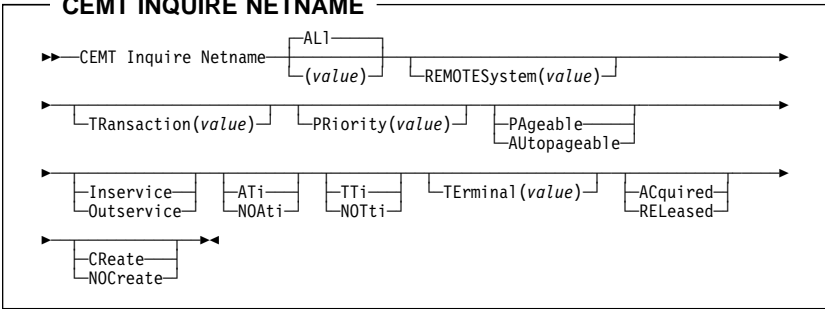
CEMT INQUIRE MODENAME



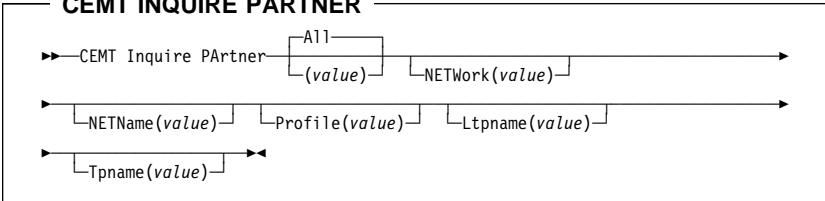
CEMT INQUIRE MONITOR



CEMT INQUIRE NETNAME



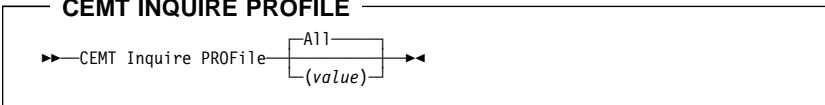
CEMT INQUIRE PARTNER



CEMT INQUIRE PITRACE

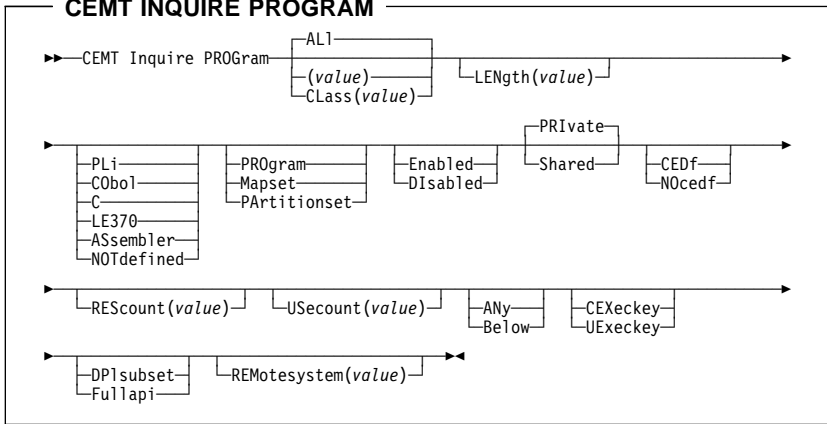


CEMT INQUIRE PROFILE

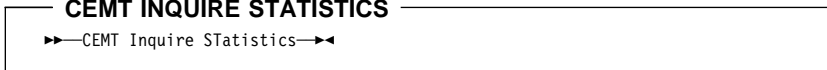


CICS-supplied transactions

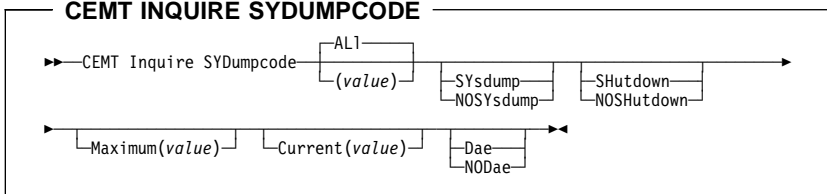
CEMT INQUIRE PROGRAM



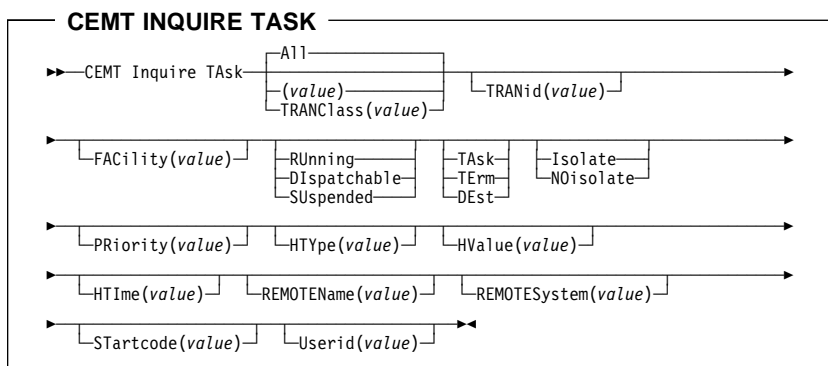
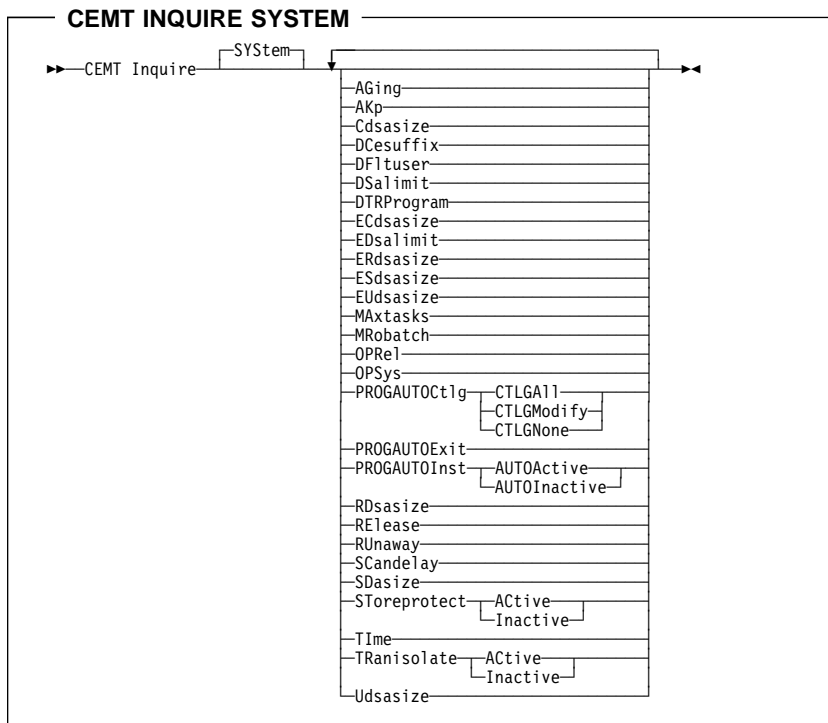
CEMT INQUIRE STATISTICS



CEMT INQUIRE SYDUMPCODE

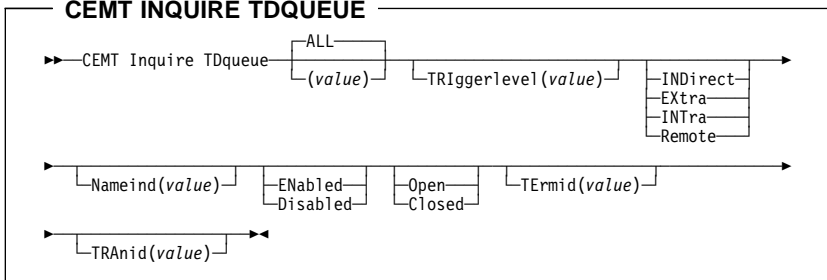


CICS-supplied transactions

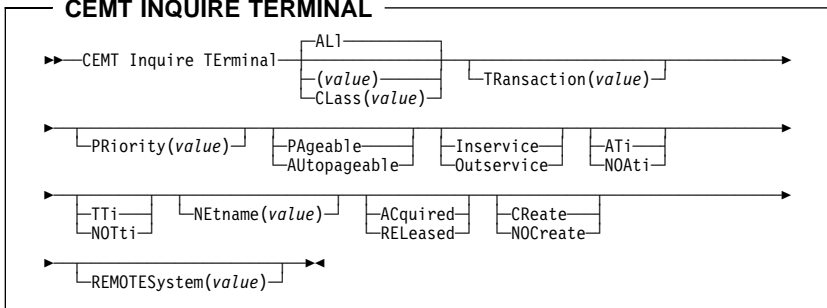


CICS-supplied transactions

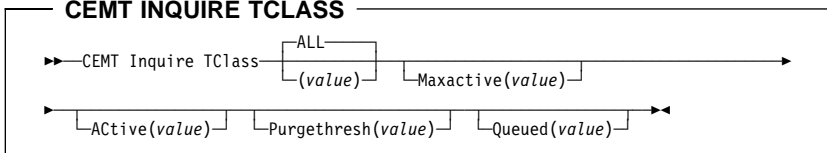
CEMT INQUIRE TDQUEUE



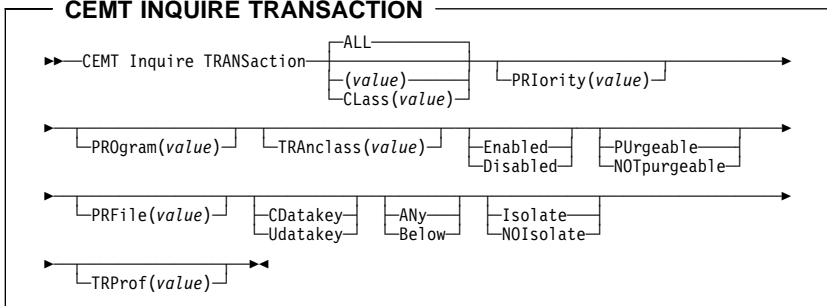
CEMT INQUIRE TERMINAL



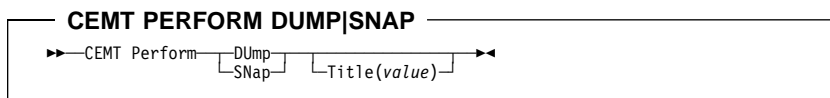
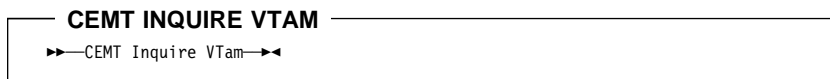
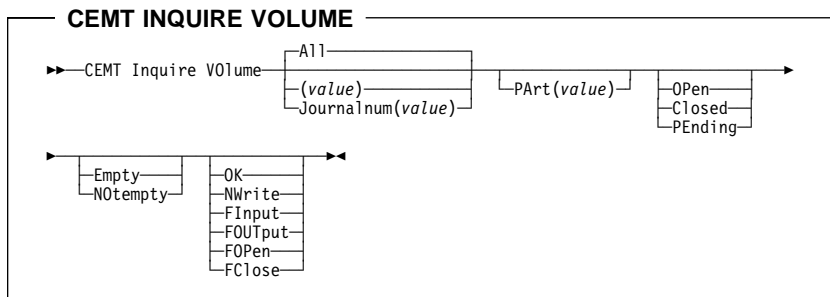
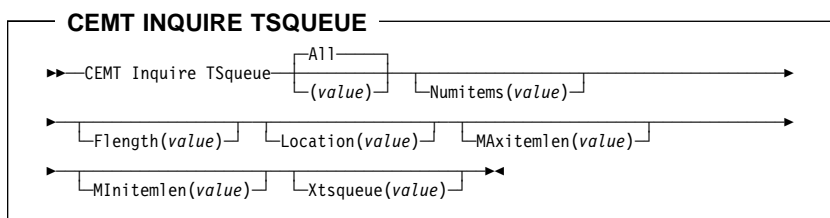
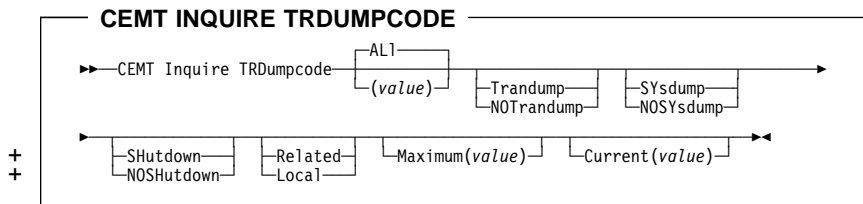
CEMT INQUIRE TCLASS



CEMT INQUIRE TRANSACTION

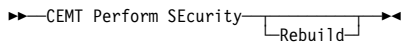


CICS-supplied transactions

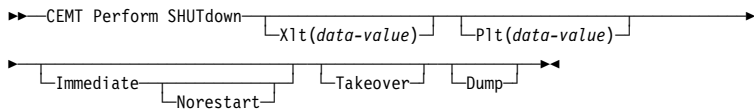


CICS-supplied transactions

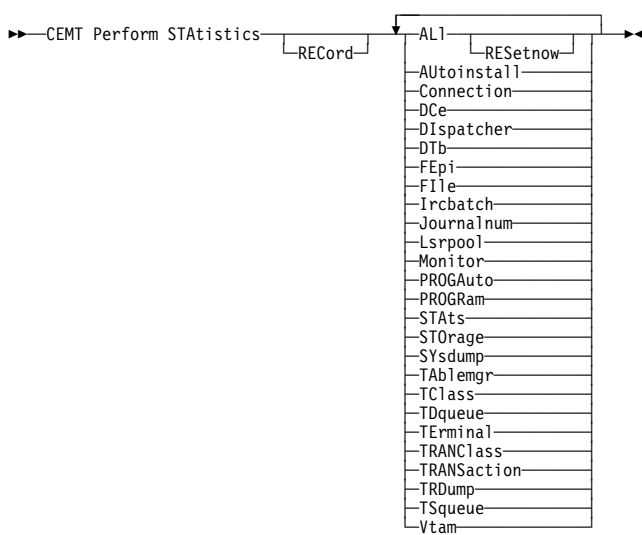
CEMT PERFORM SECURITY REBUILD



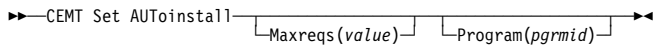
CEMT PERFORM SHUTDOWN



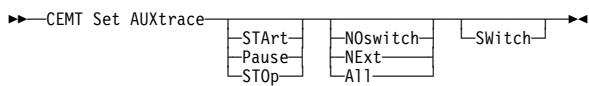
CEMT PERFORM STATISTICS



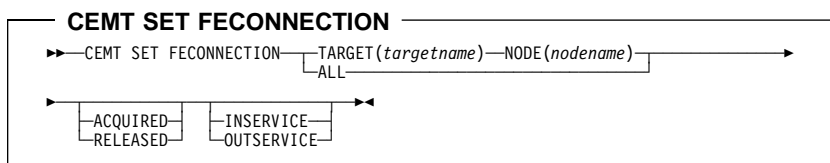
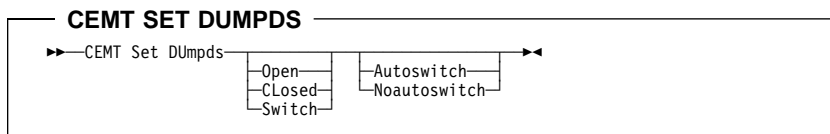
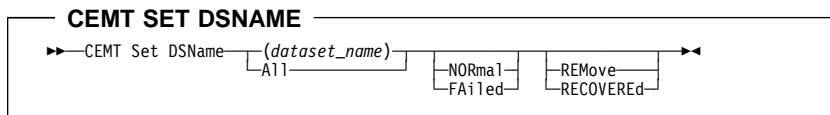
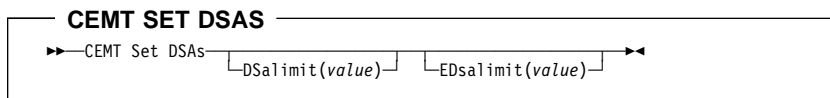
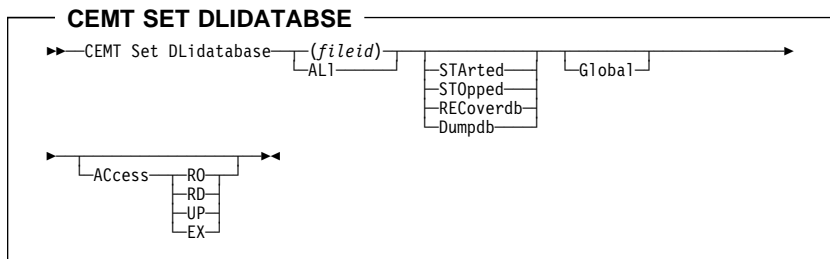
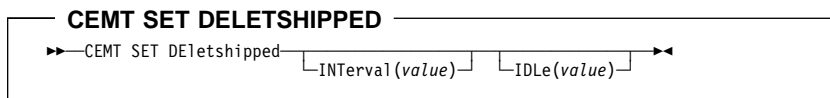
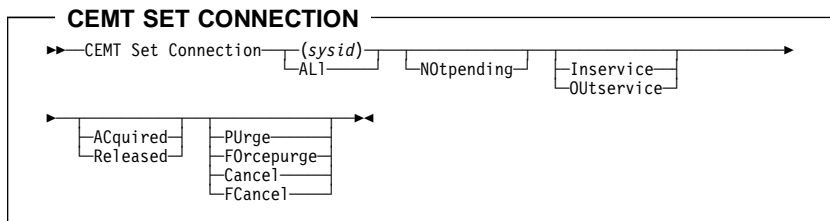
CEMT SET AUTOINSTALL



CEMT SET AUXTRACE

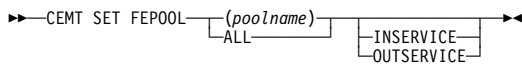


CICS-supplied transactions

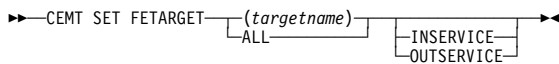


CICS-supplied transactions

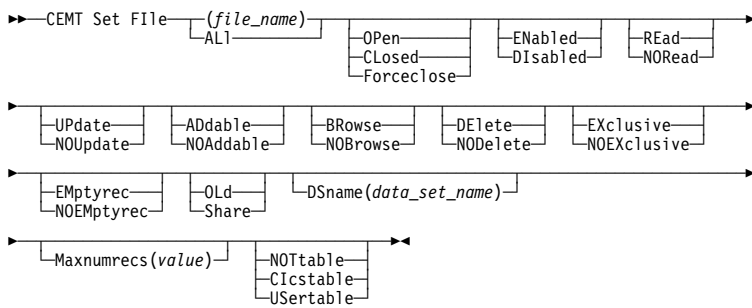
CEMT SET FEPOOL



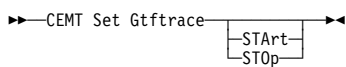
CEMT SET FETARGET



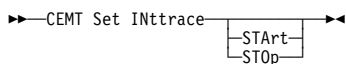
CEMT SET FILE



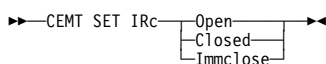
CEMT SET GTFTRACE



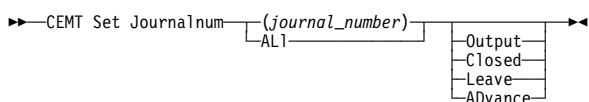
CEMT SET INTRACE



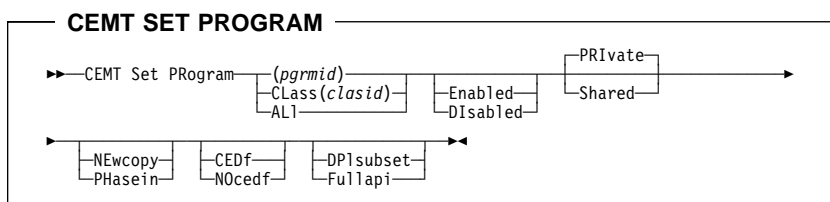
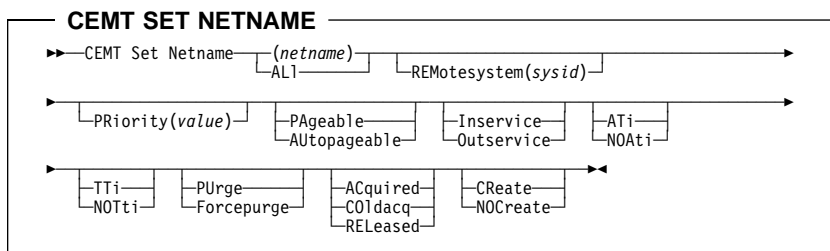
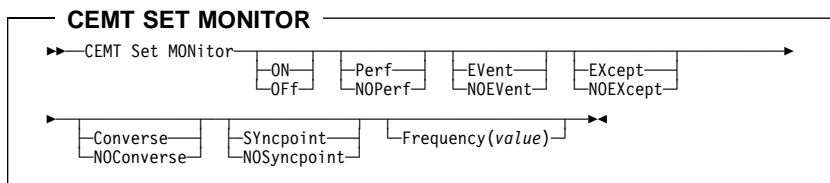
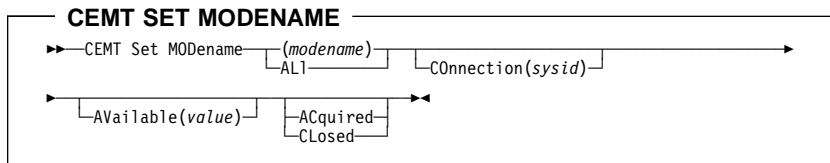
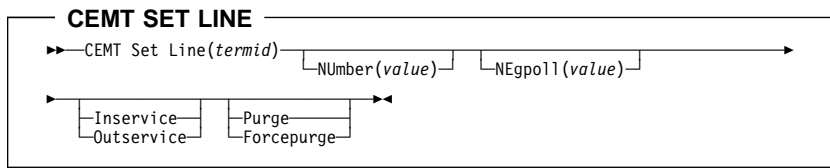
CEMT SET IRC



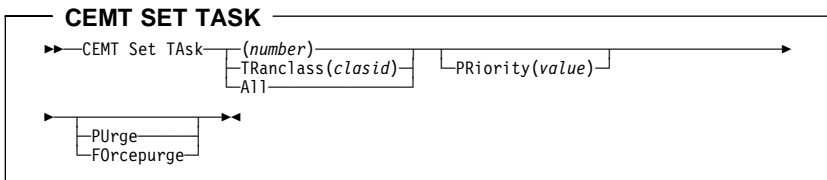
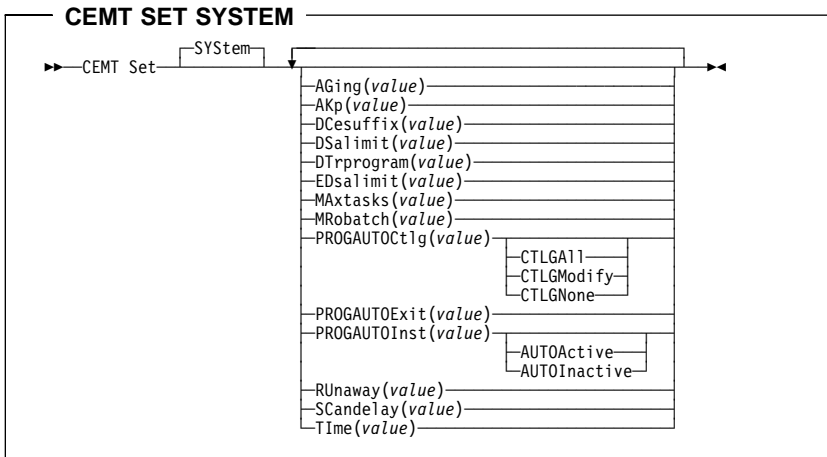
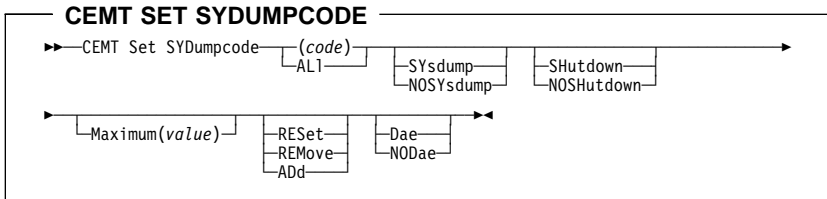
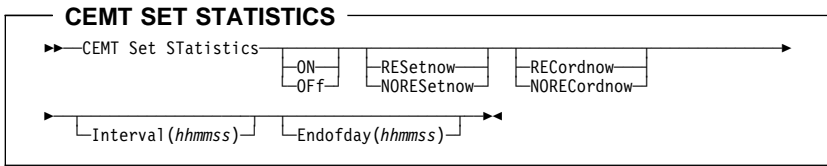
CEMT SET JOURNALNUM



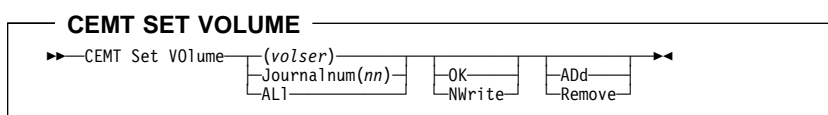
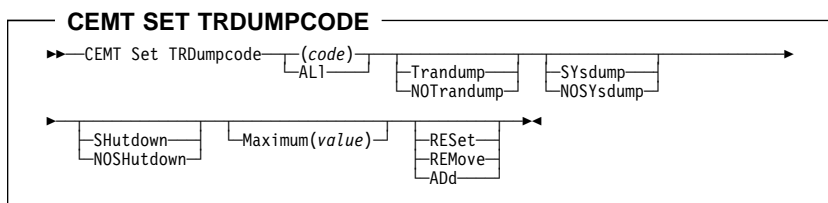
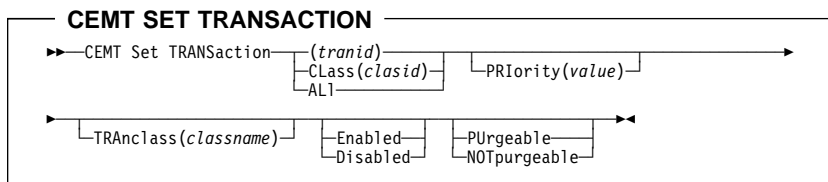
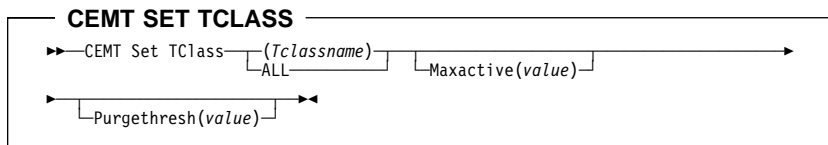
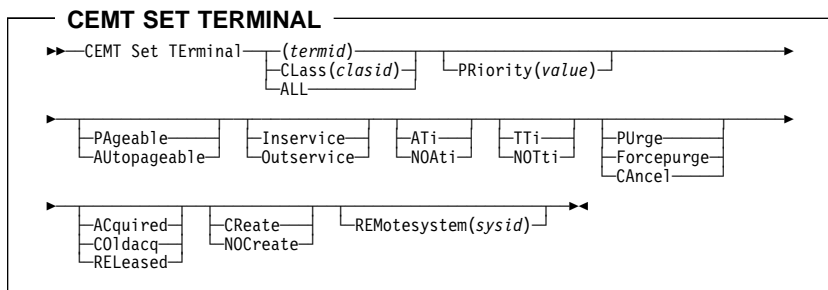
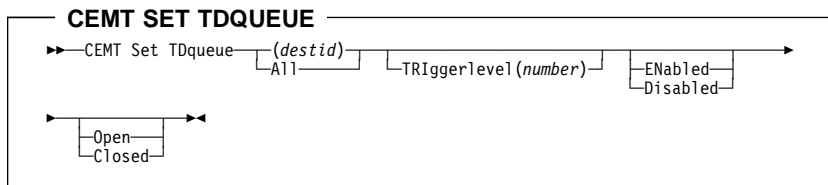
CICS-supplied transactions



CICS-supplied transactions

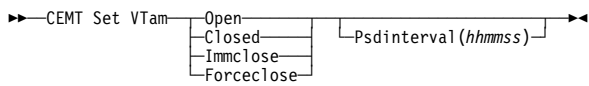


CICS-supplied transactions

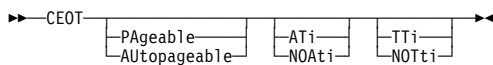


CICS-supplied transactions

CEMT SET VTAM



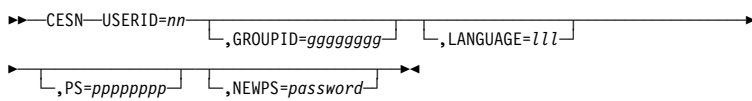
CEOT



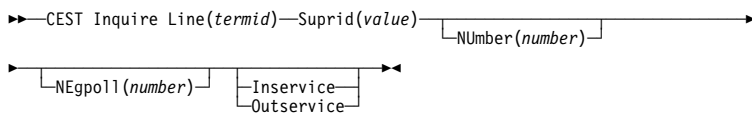
CESF



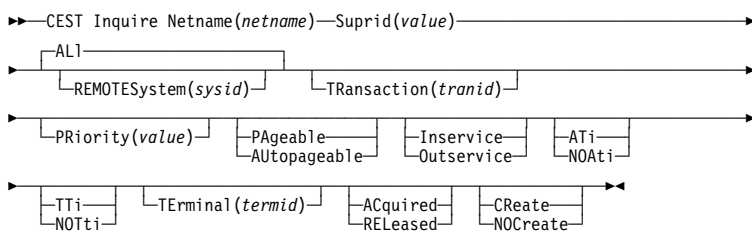
CESN



CEST INQUIRE LINE

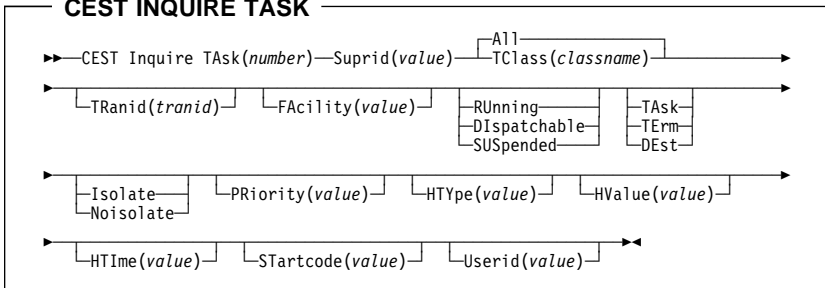


CEST INQUIRE NETNAME

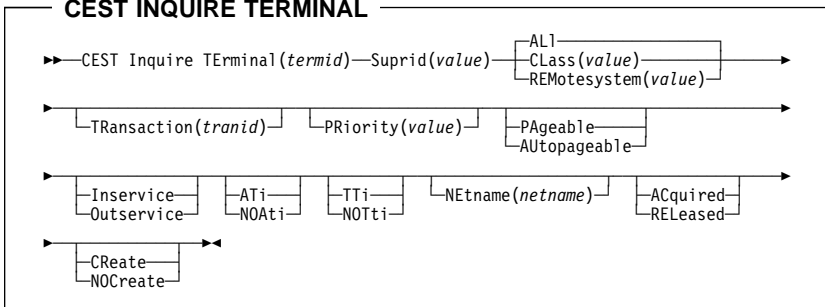


CICS-supplied transactions

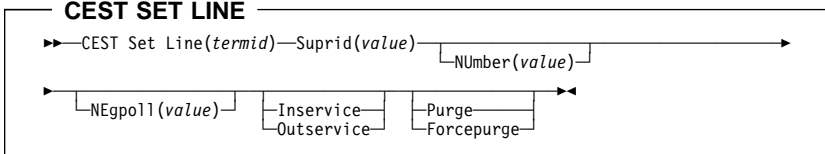
CEST INQUIRE TASK



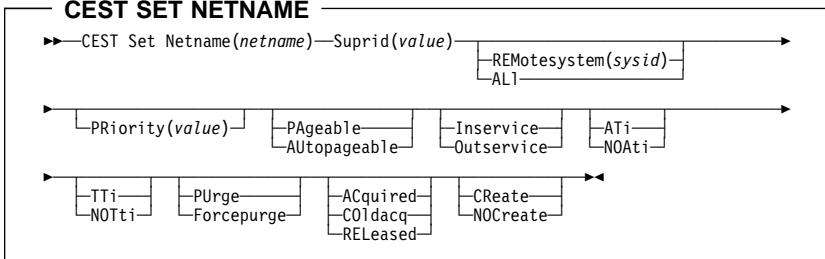
CEST INQUIRE TERMINAL



CEST SET LINE

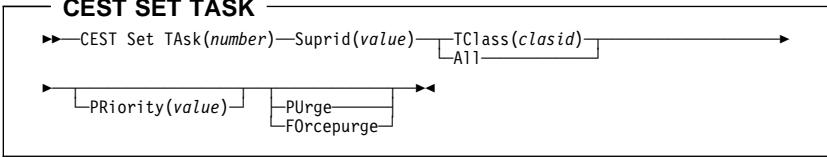


CEST SET NETNAME

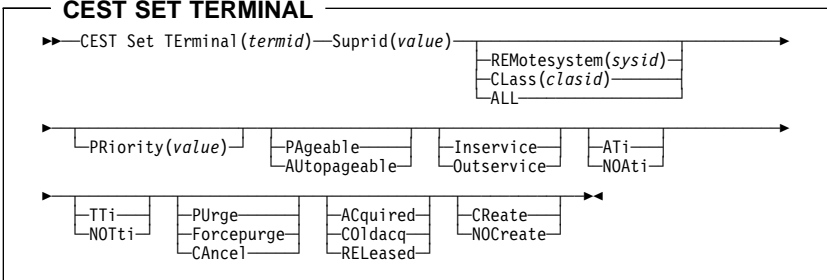


CICS-supplied transactions

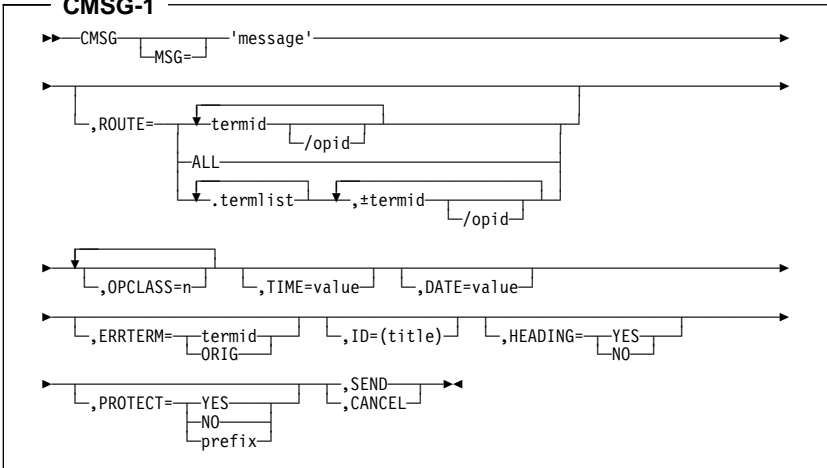
CEST SET TASK



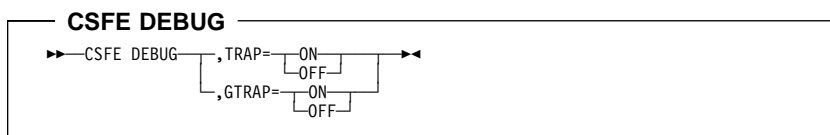
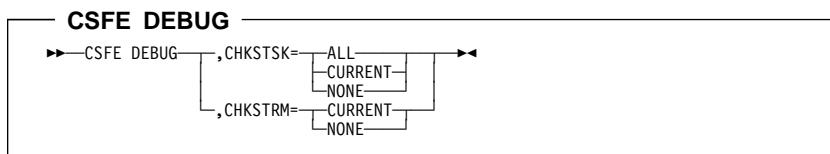
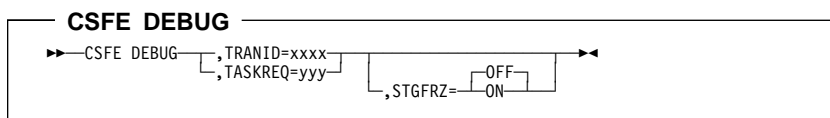
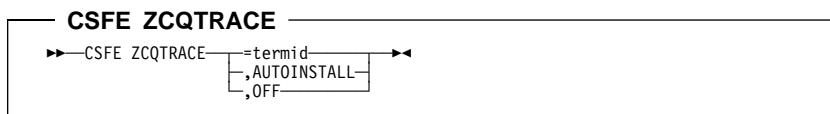
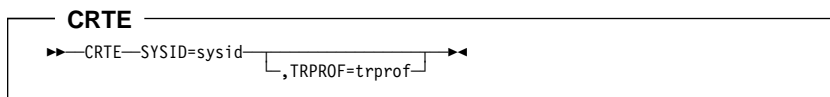
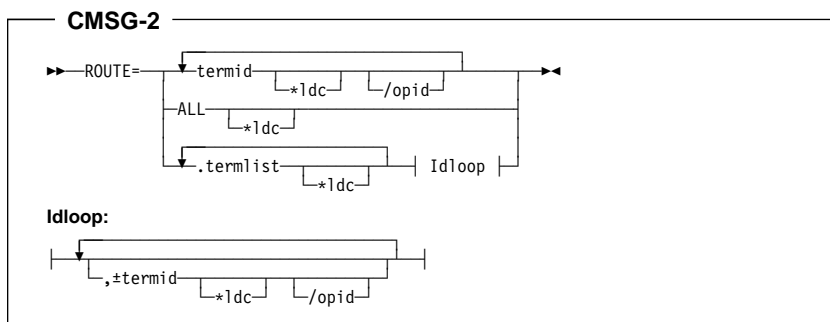
CEST SET TERMINAL



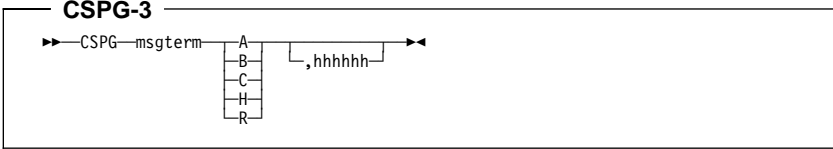
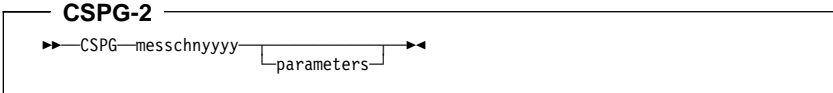
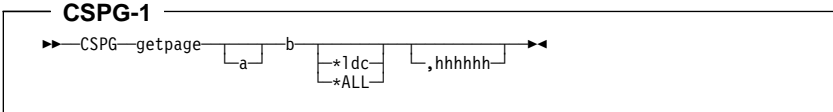
CMSG-1



CICS-supplied transactions



CICS-supplied transactions

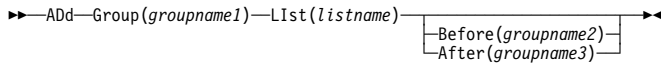


CICS-supplied transactions

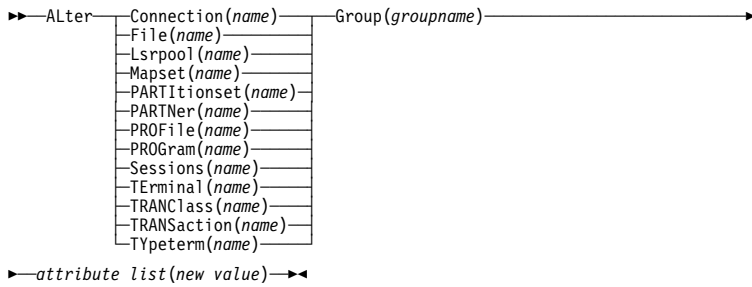
Chapter 4. Resource definition online

The syntax diagrams that follow are taken from the *CICS for MVS/ESA Resource Definition Guide*.

ADD syntax



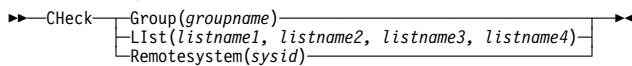
ALTER syntax



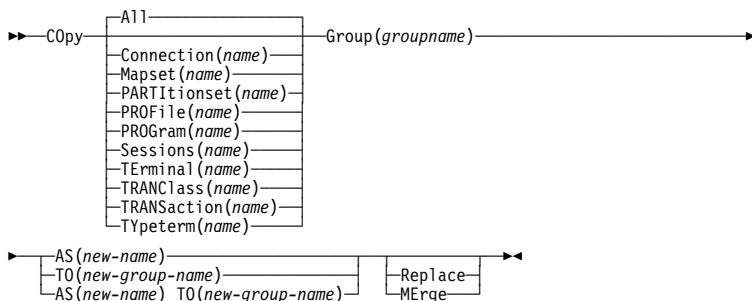
APPEND syntax



CHECK syntax

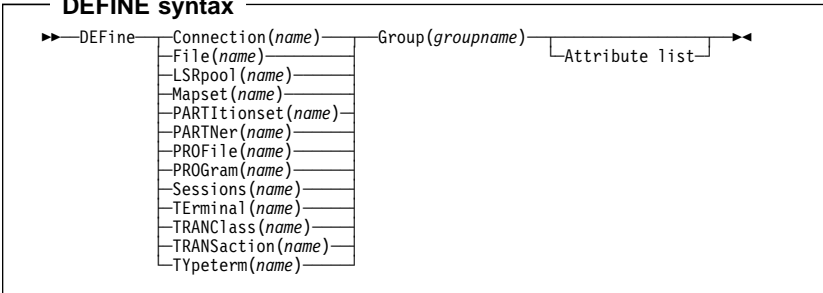


COPY syntax

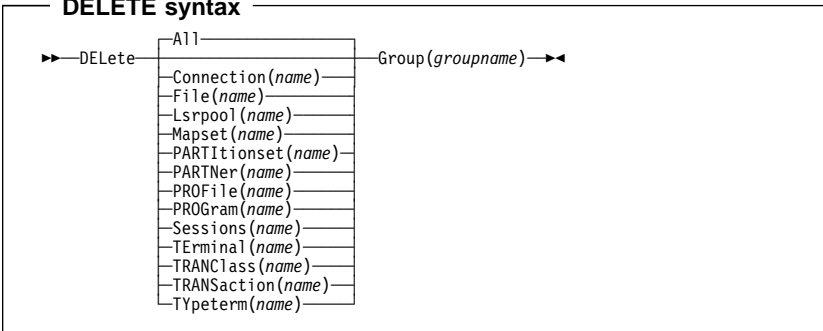


RDO

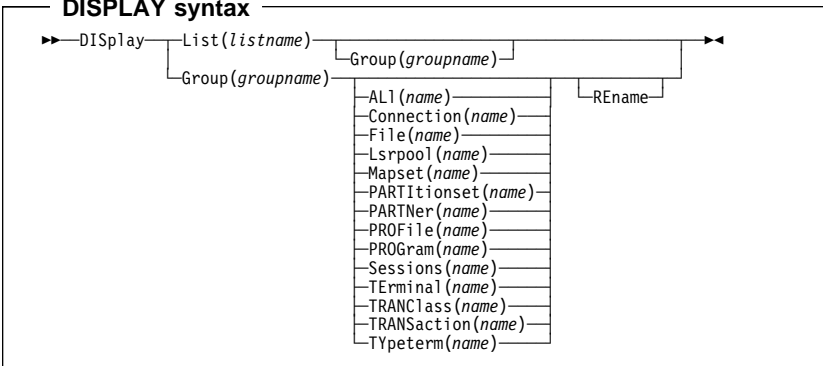
DEFINE syntax



DELETE syntax

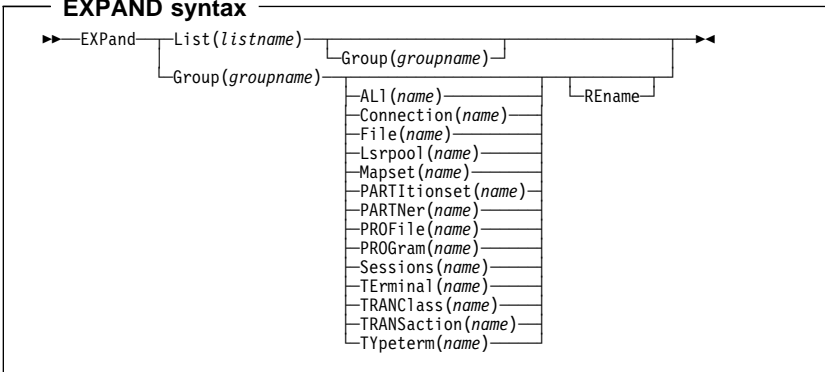


DISPLAY syntax

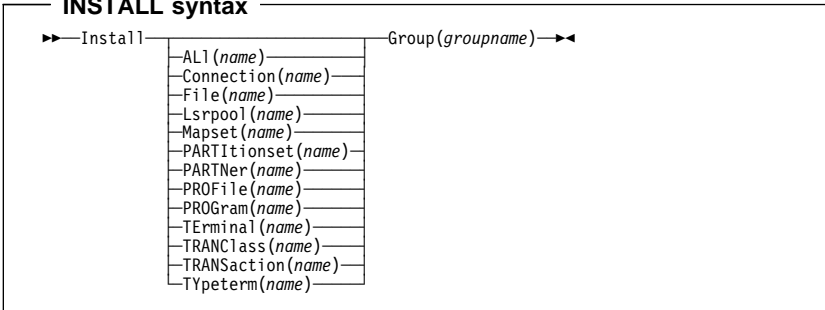


RDO

EXPAND syntax



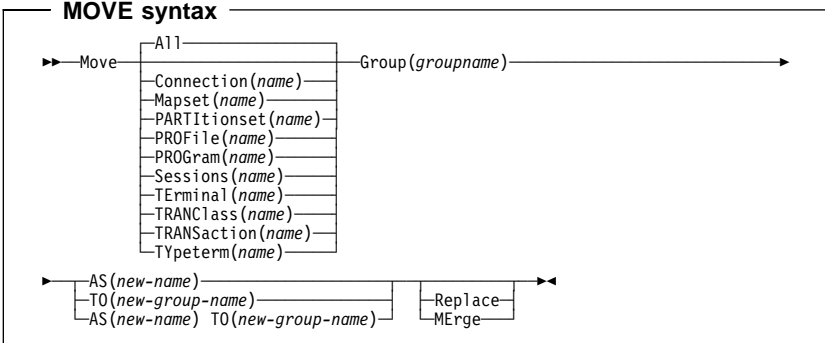
INSTALL syntax



LOCK syntax



MOVE syntax



RDO

REMOVE syntax

►► REMOVE Group(*groupname*) List(*listname*) ►►

RENAME syntax

►► RENAME

ALl(<i>name</i>)	Group(<i>groupname</i>)	AS(<i>new-name</i>)
Connection(<i>name</i>)		
File(<i>name</i>)		
Lsrpool(<i>name</i>)		
Mapset(<i>name</i>)		
PARTitionset(<i>name</i>)		
PARTNer(<i>name</i>)		
PROFile(<i>name</i>)		
PROGram(<i>name</i>)		
Sessions(<i>name</i>)		
TERminal(<i>name</i>)		
TRANClass(<i>name</i>)		
TRANSACTION(<i>name</i>)		
TYpeterm(<i>name</i>)		

►► TO(*new-group-name*) ►►

UNLOCK syntax

►► UNLOCK Group(*groupname*) List(*listname*) ►►

USERDEFINE syntax

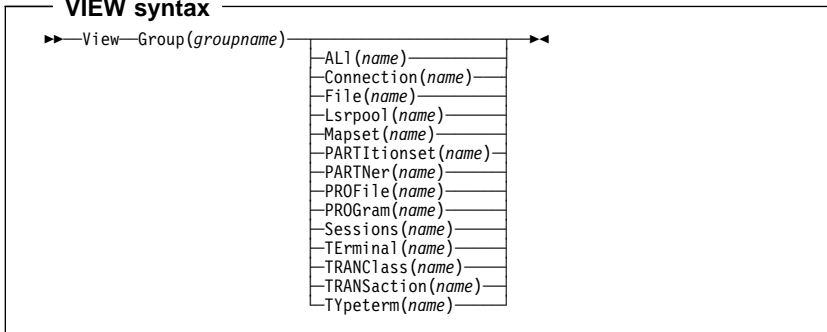
►► USERDEFINE

Connection(<i>name</i>)	Group(<i>groupname</i>)	Attribute list
File(<i>name</i>)		
Lsrpool(<i>name</i>)		
Mapset(<i>name</i>)		
PARTitionset(<i>name</i>)		
PARTNer(<i>name</i>)		
PROFile(<i>name</i>)		
PROGram(<i>name</i>)		
Sessions(<i>name</i>)		
TERminal(<i>name</i>)		
TRANClass(<i>name</i>)		
TRANSACTION(<i>name</i>)		
TYpeterm(<i>name</i>)		

►►

RDO

VIEW syntax



RDO

Chapter 5. Front End Programming Interface Command Reference

This chapter contains General Use Programming Interface information.

FEPI application programming

FEPI ALLOCATE PASSCONVID

▶—FEPI ALLOCATE—PASSCONVID(*data-value*)—▶

Conditions:

INVREQ

FEPI ALLOCATE POOL

▶—FEPI ALLOCATE—POOL(*data-value*)—CONVID(*data-area*)—▶
 └─TARGET(*data-value*)┘ └─TIMEOUT(*data-value*)┘ └─SEQNUMIN(*data-area*)┘
 └─SEQNUMOUT(*data-area*)┘ └─SESSNSTATUS(*cvda*)┘▶

Conditions:

INVREQ

FEPI AP NOOP

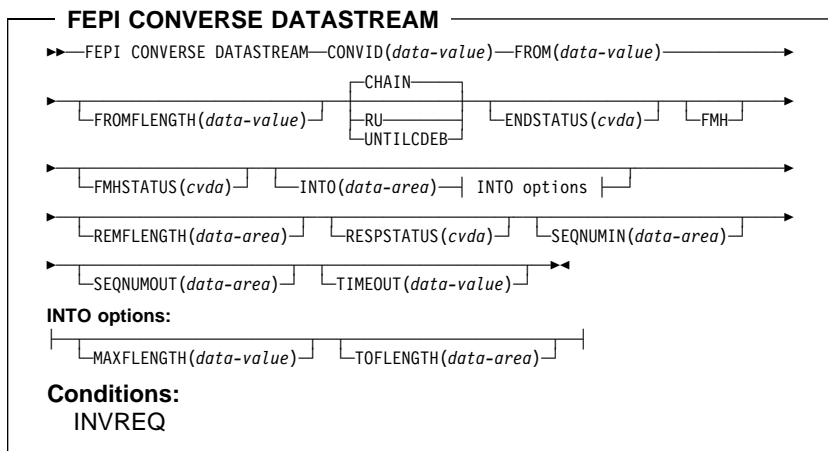
▶—FEPI AP NOOP—▶

Conditions:

INVREQ

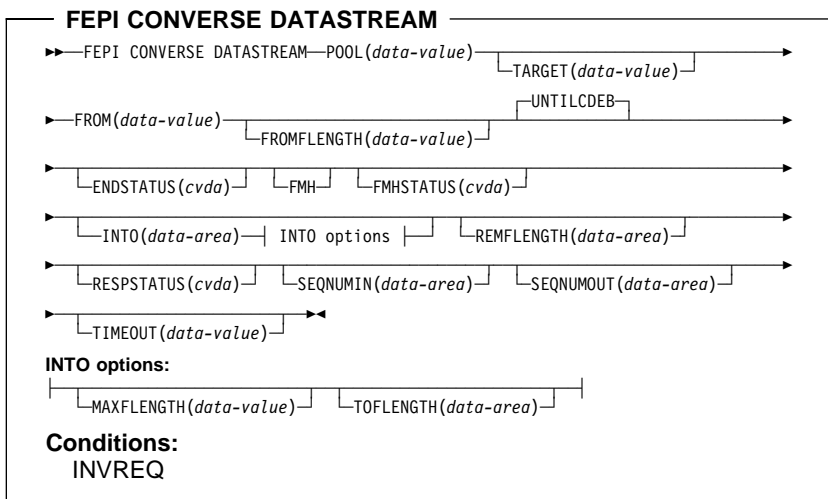
FEPI Programming

Previously allocated conversation:

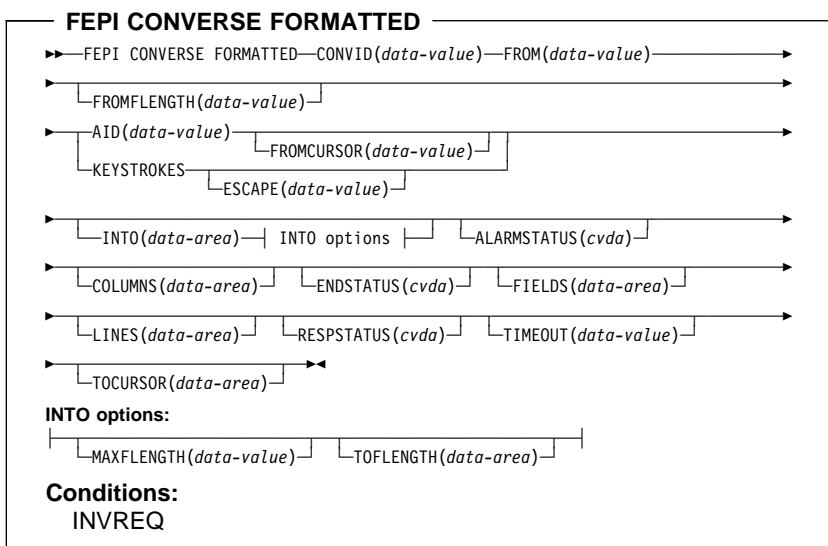


FEPI Programming

Temporary conversation:

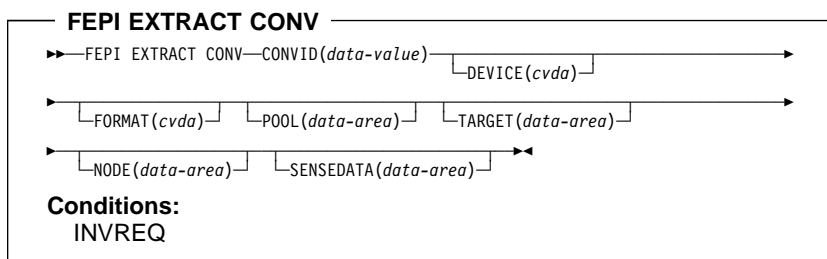
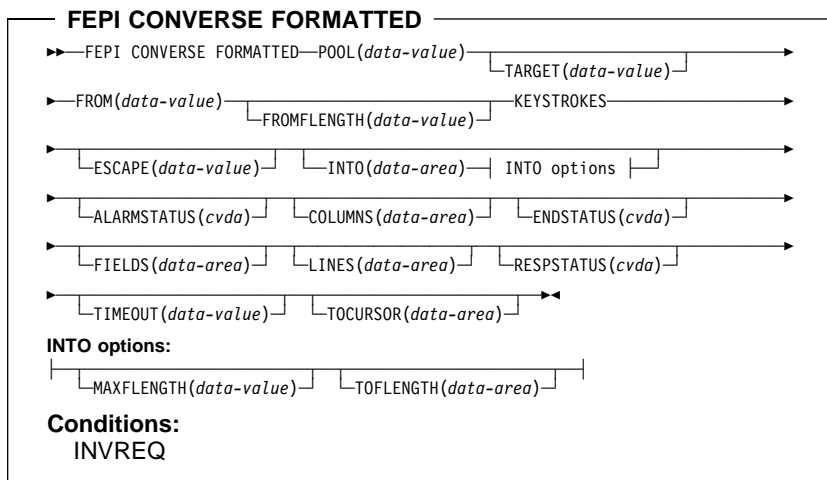


Previously allocated conversation:



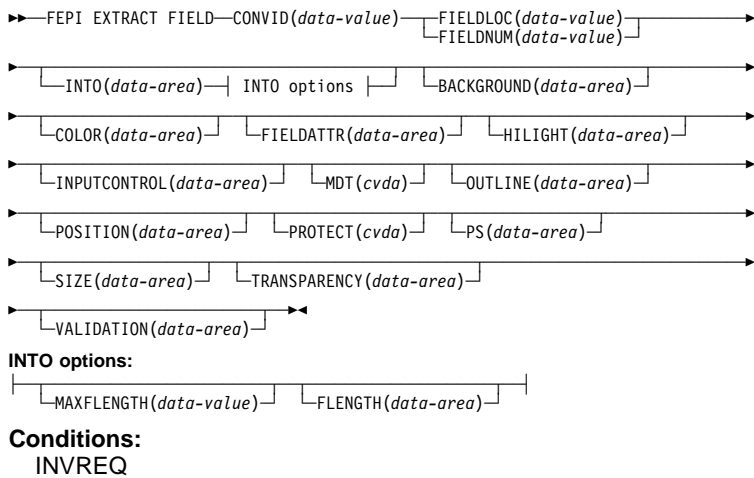
FEPI Programming

Temporary conversation:

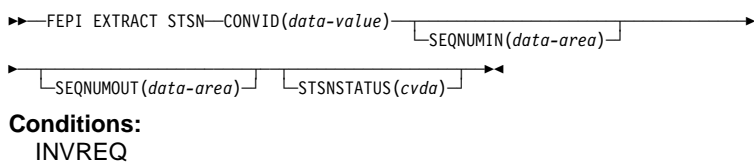


FEPI Programming

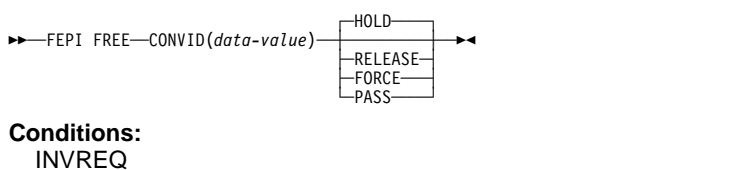
FEPI EXTRACT FIELD



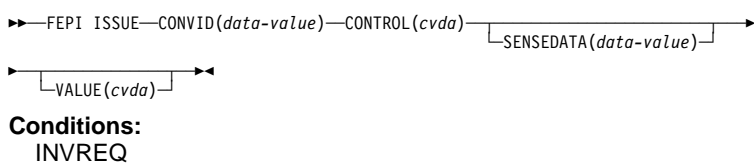
FEPI EXTRACT STSN



FEPI FREE

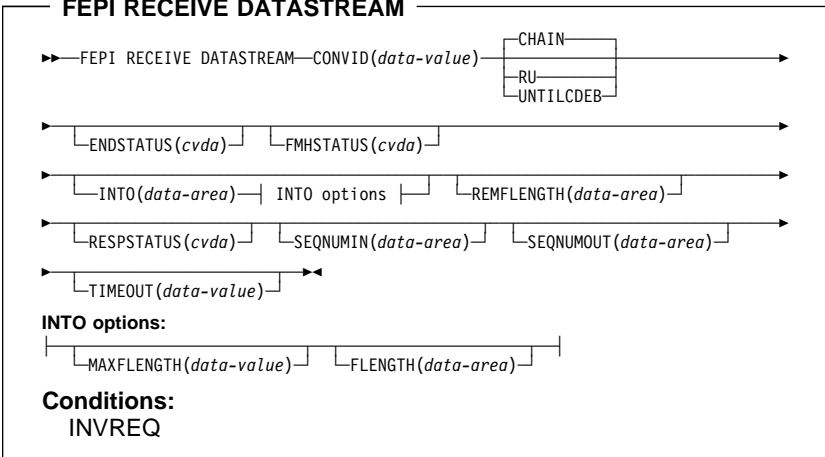


FEPI ISSUE

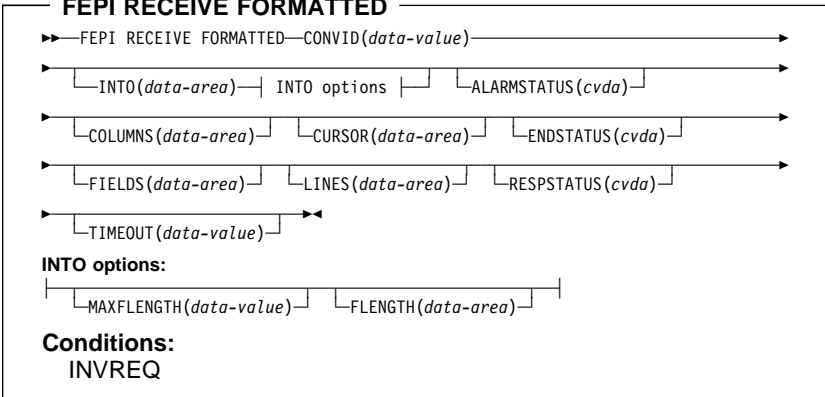


FEPI Programming

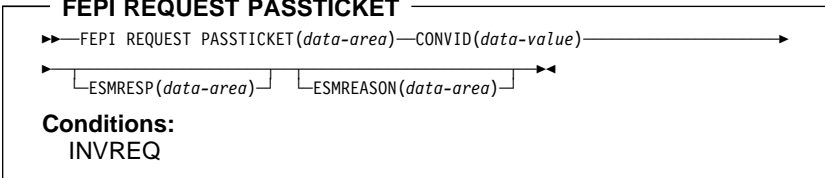
FEPI RECEIVE DATASTREAM



FEPI RECEIVE FORMATTED

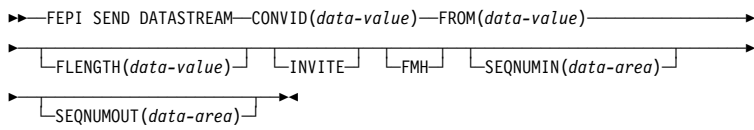


FEPI REQUEST PASSTICKET



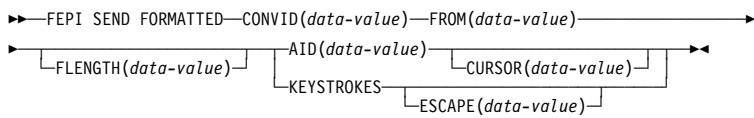
FEPI Programming

FEPI SEND DATASTREAM



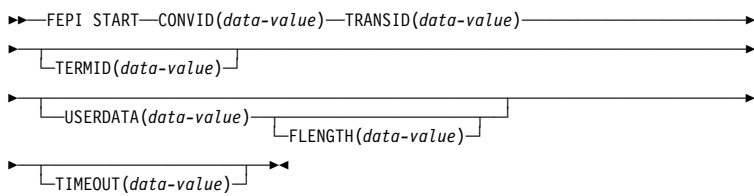
Conditions:
INVREQ

FEPI SEND FORMATTED



Conditions:
INVREQ

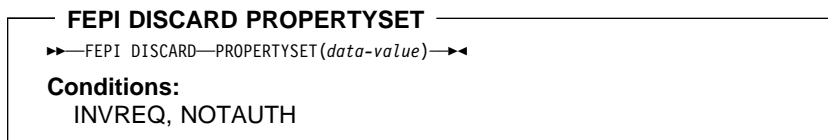
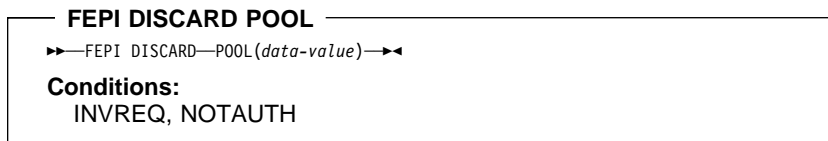
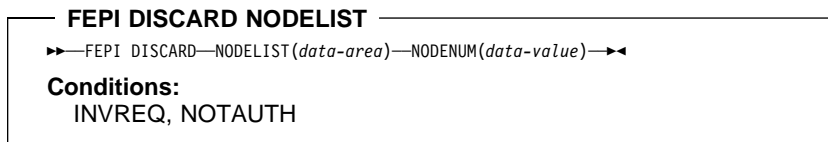
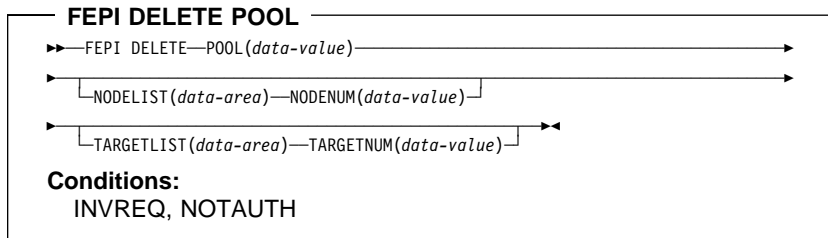
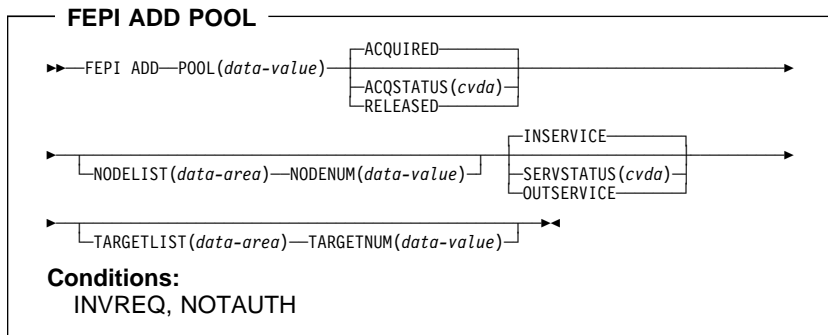
FEPI START



Conditions:
INVREQ

FEPI Programming

FEPI system programming



FEPI Programming

FEPI DISCARD TARGETLIST

► FEPI DISCARD—TARGETLIST(*data-area*)—TARGETNUM(*data-value*)—►

Conditions:

INVREQ, NOTAUTH

FEPI INQUIRE CONNECTION

► FEPI INQUIRE CONNECTION—NODE(*data-value*)—TARGET(*data-value*)—►

└─ACQNUM(*data-area*)┐ └─ACQSTATUS(*cvda*)┐ └─CONVNUM(*data-area*)┐

└─INSTLSTATUS(*cvda*)┐ └─LASTACQCODE(*data-area*)┐ └─POOL(*data-area*)┐

└─SERVSTATUS(*cvda*)┐ └─STATE(*cvda*)┐ └─USERDATA(*data-area*)┐

└─WAITCONVNUM(*data-area*)┐ ►

Conditions:

END, ILLOGIC, INVREQ, NOTAUTH

FEPI INQUIRE NODE

► FEPI INQUIRE—NODE(*data-value*)—►

└─ACQNUM(*data-area*)┐

└─ACQSTATUS(*cvda*)┐ └─INSTLSTATUS(*cvda*)┐ └─LASTACQCODE(*data-area*)┐

└─SERVSTATUS(*cvda*)┐ └─USERDATA(*data-area*)┐ ►

Conditions:

END, ILLOGIC, INVREQ, NOTAUTH

FEPI INQUIRE POOL

► FEPI INQUIRE—POOL(*data-value*)—►

└─BEGINSESSION(*data-area*)┐

└─CONTENTION(*cvda*)┐ └─DEVICE(*cvda*)┐ └─ENDSESSION(*data-area*)┐

└─EXCEPTIONQ(*data-area*)┐ └─FJOURNALNUM(*data-area*)┐ └─FORMAT(*cvda*)┐

└─INITIALDATA(*cvda*)┐ └─INSTLSTATUS(*cvda*)┐ └─MAXLENGTH(*data-area*)┐

└─MSGJRN(*cvda*)┐ └─PROPERTYSET(*data-area*)┐ └─SERVSTATUS(*cvda*)┐

└─STSN(*data-area*)┐ └─UNSOLDATA(*data-area*)┐ └─UNSOLDATAACK(*cvda*)┐

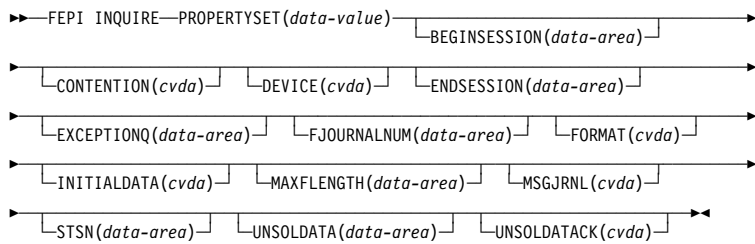
└─USERDATA(*data-area*)┐ └─WAITCONVNUM(*data-area*)┐ ►

Conditions:

END, ILLOGIC, INVREQ, NOTAUTH

FEPI Programming

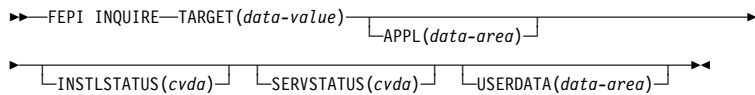
FEPI INQUIRE PROPERTYSET



Conditions:

END, ILLOGIC, INVREQ, NOTAUTH

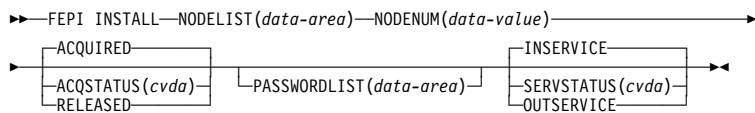
FEPI INQUIRE TARGET



Conditions:

END, ILLOGIC, INVREQ, NOTAUTH

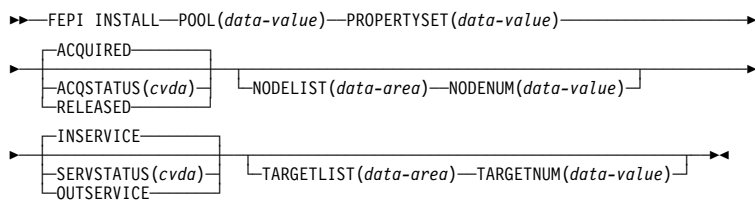
FEPI INSTALL NODELIST



Conditions:

INVREQ, NOTAUTH

FEPI INSTALL POOL

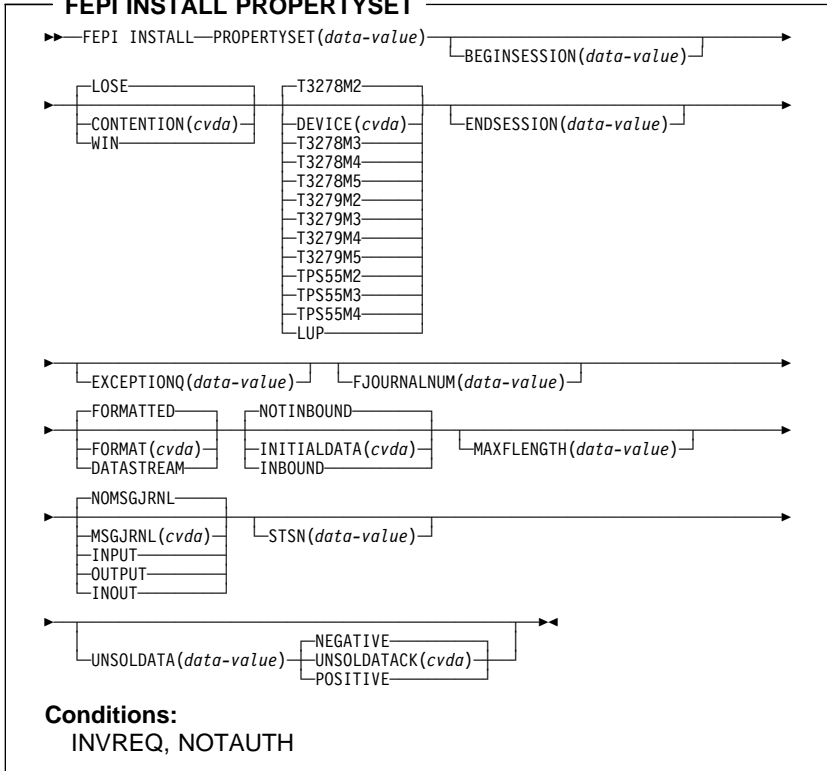


Conditions:

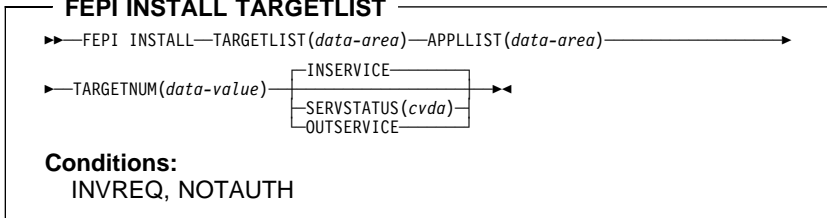
INVREQ, NOTAUTH

FEPI Programming

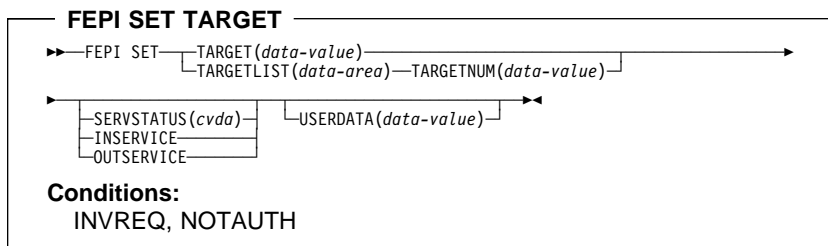
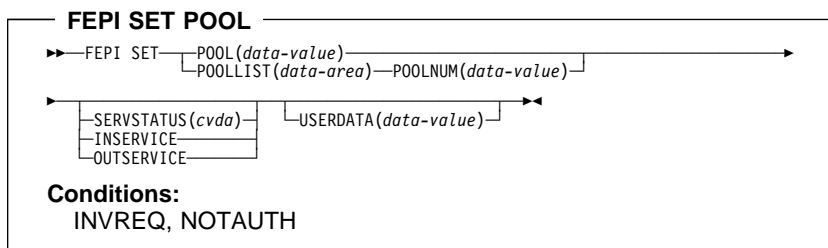
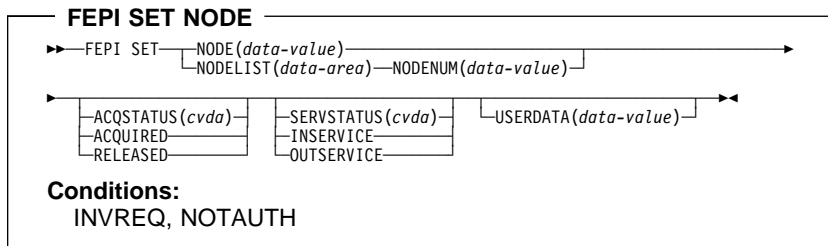
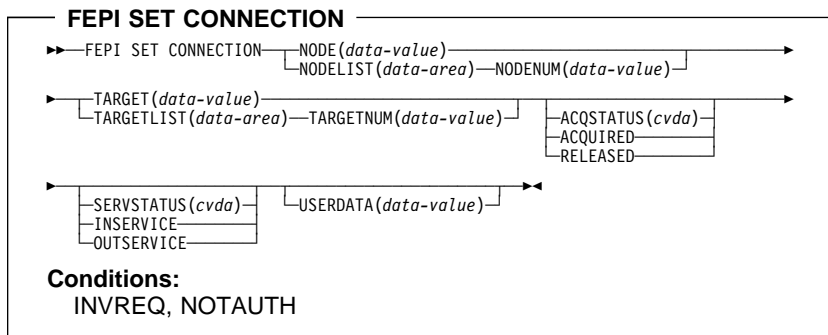
FEPI INSTALL PROPERTYSET



FEPI INSTALL TARGETLIST



FEPI Programming



FEPI Programming

FEPI SP NOOP

▶—FEPI SP NOOP—▶

Conditions:

INVREQ, NOTAUTH

FEPI Programming

CVDA

Chapter 6. CICS-value data areas used by all commands

This chapter contains General-use Programming Interface information.

This section lists the CICS-value data-area (CVDA) values and their numeric equivalents for all of the EXEC CICS commands. CVDA's are described in the *CICS for MVS/ESA System Programming Reference*.

Using the tables

The section consists of three tables. The first, beginning below, is in character sequence of the CVDA values. The second, beginning on page 168, is in numeric sequence. The third, beginning on page 179, gives the CVDA values returned by the INQUIRE TERMINAL|NETNAME DEVICE command.

CVDA's and numeric values in alphabetic sequence

Apar PN59157

Documentation for Apar PN59157 is in the next table

CVDA	Dec Value	Hex Value
ACQFAIL	515	203
ACQUIRED	69	45
ACQUIRING	71	47
ACTIVE	181	B5
ADD	291	123
ADDABLE	41	29
ADDFAIL	519	207
ADVANCE	265	109
ALARM	501	1F5
ALLCONN	169	A9
ALLOCATED	81	51
ALLQUERY	431	1AF
ALTERABLE	52	34
ALTERNATE	197	C5
ALTPRTCOPY	446	1BE
ANY	158	9E
APLKYBD	391	187
APLTEXT	393	189
APPC	124	7C
APPCPARALLEL	374	176

CVDA

CVDA	Dec Value	Hex Value
APPCSINGLE	373	175
APPLICATION	559	22F
ASACTL	224	E0
ASCII7	616	268
ASCII8	617	269
ASSEMBLER	150	96
ATI	75	4B
ATTENTION	524	20C
AUDALARM	395	18B
AUTOACTIVE	630	276
AUTOARCH	262	106
AUTOCONN	170	AA
AUTOINACTIVE	631	277
AUTOPAGEABLE	80	50
AUTOSTART	618	26A
AUXILIARY	247	F7
AUXPAUSE	313	139
AUXSTART	312	138
AUXSTOP	314	13A
AVAILABLE	95	5F
BACKOUT	192	C0
BACKTRANS	397	18D
BASE	10	0A
BASESPACE	664	298
BDAM	2	02
BEGINSESSION	510	1FE
BELOW	159	9F
BGAM	63	3F
BLK	47	2F
BLOCKED	16	10
BROWSABLE	39	27
BSAM	61	3D
BTAM	62	3E
BUSY	612	264
C	149	95
CANCEL	526	20E
CANCELLED	624	270
CD	491	1EB
CEDF	370	172
CICS	660	294
CICSDATAKEY	379	17B
CICSEXECKEY	381	17D
CICSTABLE	101	65
CLEAR	640	280
CLOSED	19	13
CLOSELEAVE	261	105
CLOSEREQUEST	22	16
CLOSING	21	15

CVDA

CVDA	Dec Value	Hex Value
CMDPROT	673	2A1
CMDSECNO	205	CD
CMDSECYES	207	CF
COBOL	151	97
COBOLII	375	177
COLDACQ	72	48
COLDQUERY	433	1B1
COLDSTART	266	10A
COLOR	399	18F
COMMIT	208	D0
CONFFREE	82	52
CONFRECEIVE	83	53
CONFSEND	84	54
CONNECTED	690	2B2
CONSOLE	66	42
CONTROLSHUT	623	26F
+ CONVERSE	600	258
CONVIDLE	518	206
COPY	401	191
CREATE	67	43
CTLGALL	632	278
CTLGMODIFY	633	279
CTLGNONE	634	27A
CTRLABLE	56	38
CURRENT	260	104
DAE	684	2AC
DATA	508	1FC
DATASTREAM	543	21F
DEC	46	2E
DEFAULT	198	C6
DEFRESP1	497	1F1
DEFRESP1OR2	528	210
DEFRESP2	498	1F2
DEFRESP3	499	1F3
DELAY	637	27D
DELETABLE	43	2B
DELETEFAIL	520	208
DEREGERROR	679	2A7
DEREGISTERED	678	2A6
DEST	235	EB
DISABLED	24	18
DISABLING	25	19
DISCARDFAIL	513	201
DISCREQ	444	1BC
DISK1	252	FC
DISK2	253	FD
DISK2PAUSE	254	FE
DISPATCHABLE	228	E4

CVDA

CVDA	Dec Value	Hex Value
DPLSUBSET	383	17F
DS3270	615	267
DUALCASE	403	193
DYNAMIC	178	B2
EB	490	1EA
EMERGENCY	268	10C
EMPTY	210	D2
EMPTYREQ	31	1F
ENABLED	23	17
ESDS	5	05
EVENT	334	14E
EXCEPT	332	14C
EXCEPTRESP	523	20B
EXCI	650	28A
EXCTL	48	30
EXITTRACE	362	16A
EXTENDEDDES	405	195
EXTRA	221	DD
EXTSECURITY	194	C2
FAILEDBKOUT	357	165
FAILINGBKOUT	358	166
FCLOSE	273	111
FINALQUIESCE	183	B7
FINPUT	270	10E
FIRSTINIT	625	271
FIRSTQUIESCE	182	B6
FIXED	12	0C
FMH	502	1F6
FMHPARM	385	181
FOPEN	272	110
FORCE	342	156
FORCECLOSE	351	15F
FORCECLOSING	353	161
FORCEPURGE	237	ED
FORMATEDF	606	25E
FORMATTED	542	21E
FORMFEED	407	197
FOUTPUT	271	10F
FREE	85	55
FREEING	94	5E
FULL	212	D4
FULLAPI	384	180
FWDRECOVABLE	354	162
GENERIC	651	28B
+ GMT	604	25C
GOINGOUT	172	AC
GTFSTART	317	13D
GTFSTOP	318	13E

CVDA

CVDA	Dec Value	Hex Value
HEX	45	2D
HFORM	409	199
HIGHLIGHT	413	19D
HOLD	163	A3
IGNORE	1	01
IMMCLOSE	350	15E
IMMCLOSING	352	160
INACTIVE	378	17A
INBOUND	547	223
INDIRECT	122	7A
INITCOMPLETE	628	274
INOUT	532	214
INPUT	226	E2
INSERVICE	73	49
INSTALLED	550	226
INSTALLFAIL	512	200
INTRA	222	DE
INTSTART	310	136
INTSTOP	311	137
INVALID	359	167
IRC	121	79
ISOLATE	658	292
KATAKANA	415	19F
KEYED	8	08
KSDS	6	06
LE370	377	179
LIC	493	1ED
LIGHTPEN	417	1A1
+ LOCAL	605	25D
LOG	54	36
LOGICAL	216	D8
LOGTERM	269	10D
LOSE	544	220
LPA	165	A5
LUP	541	21D
LUSTAT	525	20D
LUW	246	F6
LU61	125	7D
MAIN	248	F8
MAP	155	9B
MAPSET	155	9B
MCHCTL	241	F1
MDT	506	1FA
MODEL	370	172
MORE	492	1EC
MSRCONTROL	419	1A3
NEGATIVE	530	212
NEWCOPY	167	A7

CVDA

CVDA	Dec Value	Hex Value
NEWSESSION	485	1E5
NOALARM	500	1F4
NOALTPRTCOPY	447	1BF
NOAPLKYBD	392	188
NOAPLTEXT	394	18A
NOATI	76	4C
NOAUDALARM	396	18C
NOAUTOARCH	263	107
NOBACKTRANS	398	18E
NOCEDF	371	173
NOCLEAR	641	281
NOCMDPROT	674	2A2
NOCOLOR	400	190
NOCONV	556	22C
+ NOCONVERSE	601	259
NOCOPY	402	192
NOCREATE	68	44
NOCTL	223	DF
NODAE	685	2AD
NODISCREQ	445	1BD
NODUALCASE	404	194
NOEMPTYREQ	32	20
NOEVENT	335	14F
NOEXCEPT	333	14D
NOEXCTL	49	31
NOEXITTRACE	363	16B
NOEXTENDEDDES	406	196
NOFMH	503	1F7
NOFMHPARM	386	182
NOFORMATEDF	607	25F
NOFORMFEED	408	198
NOHFORM	410	19A
NOHILIGHT	414	19E
NOHOLD	164	A4
NOISOLATE	657	291
NOKATAKANA	416	1A0
NOLIGHTPEN	418	1A2
NOLOG	55	37
NOMDT	507	1FB
NOMSGJRNL	531	213
NOMSRCONTROL	420	1A4
NONAUTOCONN	171	AB
NONCICS	661	295
NONE	496	1F0
NOOBFORMAT	422	1A6
NOOBOPERID	388	184
NOOUTLINE	424	1A8
NOPARTITIONS	426	1AA

CVDA

CVDA	Dec Value	Hex Value
NOPERF	331	14B
NOPRESETSEC	243	F3
NOPRINTADAPT	428	1AC
NOPROGSYMBOL	430	1AE
NOPRTCOPY	449	1C1
NOQUERY	432	1B0
NOREENTPROT	681	2A9
NORELREQ	443	1BB
NORMALBKOUT	356	164
NORMALRESP	522	20A
NOSECURITY	196	C4
NOSHUTDOWN	289	121
NOSOSI	435	1B3
NOSTSN	487	1E7
NOSWITCH	285	11D
+ NOSYNCPOINT	603	25B
NOSYSCONNECT	654	28E
NOSYSDUMP	185	B9
NOTADDABLE	42	2A
NOTALTERABLE	53	35
NOTAPPLIC	1	01
NOTASKSTART	608	260
NOTBROWSABLE	40	28
NOTBUSY	613	265
NOTCDEB	495	1EF
NOTCONNECTED	691	2B3
NOTCTRLABLE	57	39
NOTDEFINED	659	293
NOTDELETABLE	44	2C
NOTEMPTY	211	D3
NOTERMINAL	214	D6
NOTEXTKYBD	437	1B5
NOTEXTPRINT	439	1B7
NOTFWDRCVBLE	361	169
NOTINBOUND	546	222
NOTINIT	376	178
NOTINSTALLED	551	227
NOTKEYED	9	09
NOTLPA	166	A6
NOTPENDING	127	7F
NOTPURGEABLE	161	A1
NOTRANDUMP	187	BB
NOTREADABLE	36	24
NOTREADY	259	103
NOTRECOVABLE	30	1E
NOTREQUIRED	667	29B
NOTSOS	669	29D
NOTTABLE	100	64

CVDA

CVDA	Dec Value	Hex Value
NOTTI	78	4E
NOTUPDATABLE	38	26
NOUCTRAN	451	1C3
NOVALIDATION	441	1B9
NOVFORM	412	19C
NOWAIT	341	155
NOWRITE	275	113
NOZCPTRACE	365	16B
OBFORMAT	421	1A5
OBOPERID	387	183
OBTAINING	96	60
OFF	200	C8
OK	274	112
OLD	26	1A
OLDCOPY	162	A2
OLDSESSION	486	1E6
ON	201	C9
OPEN	18	12
OPENING	20	14
OPENOUTPUT	257	101
OUTLINE	423	1A7
OUTPUT	227	E3
OUTSERVICE	74	4A
PAGEABLE	79	4F
PARTITIONS	425	1A9
PARTITIONSET	156	9C
PATH	11	0B
PENDBEGIN	558	22E
PENDDATA	560	230
PENDFREE	86	56
PENDING	126	7E
PENDPASS	565	235
PENDRECEIVE	87	57
PENDRELEASE	562	232
PENDSTART	561	231
PENDSTSN	557	22D
PENDUNSOL	564	234
PERF	330	14A
PHASEIN	168	A8
PHYSICAL	215	D7
PLI	152	98
PL1	152	98
POSITIVE	529	211
POST	636	27C
PRESETSEC	242	F2
PRIMARY	110	6E
PRINTADAPT	427	1AB
PRIVATE	174	AE

CVDA

CVDA	Dec Value	Hex Value
PROGRAM	154	9A
PROGSYMBOL	429	1AD
PROTECTED	504	1F8
PRTCOPY	448	1C0
PURGE	236	EC
PURGEABLE	160	A0
READABLE	35	23
READBACK	209	D1
READONLY	275	113
READY	258	102
RECEIVE	88	58
RECOVERABLE	29	1D
RECOVERED	277	115
REENTPROT	680	2A8
REGERROR	677	2A5
REGISTERED	670	29E
RELEASE	563	233
RELEASED	70	46
RELEASING	549	225
RELREQ	442	1BA
REMOTE	4	04
+ REMTABLE	103	67
REMOVE	276	114
REQUIRED	666	29A
RESET	290	122
RESSECNO	202	CA
+ RESSECINT	203	CB
RESSECYES	204	CC
REVERTED	264	108
ROLLBACK	89	59
RRDS	7	07
RTR	527	20F
RU	494	1EE
RUNNING	229	E5
SCS	614	266
SECONDINIT	626	272
SEND	90	5A
SESSION	372	174
SESSIONFAIL	517	205
SESSIONLOST	516	204
SETFAIL	514	202
SHARE	27	1B
SHARED	173	AD
SHUTDOWN	288	120
SHUTDISABLED	645	285
SHUTENABLED	644	284
SIGNEDOFF	245	F5
SIGNEDON	244	F4

CVDA

CVDA	Dec Value	Hex Value
SINGLEOFF	324	144
SINGLEON	323	143
SMF	255	FF
SOS	668	29C
SOSI	434	1B2
SPECIFIC	652	28C
SPECTRACE	177	B1
SPRSTRACE	175	AF
STANDBY	629	275
STANTRACE	176	B0
START	635	27B
STARTED	609	261
STARTUP	180	B4
STATIC	179	B3
STOPPED	610	262
STSN	509	1FD
STSNSET	488	1E8
STSNTEST	489	1E9
SUBSPACE	663	297
SURROGATE	371	173
SUSPENDED	231	E7
SWITCH	188	BC
SWITCHALL	287	11F
SWITCHING	225	E1
SWITCHNEXT	286	11E
SYNCFREE	91	5B
+ SYNCPOINT	603	25B
SYNCRECEIVE	92	5C
SYNCSEND	93	5D
SYSCONNECT	653	28D
SYSDUMP	184	B8
SYSTEM	643	284
SYSTEMOFF	320	140
SYSTEMON	319	13F
TAKEOVER	111	6F
TAPE1	250	FA
TAPE2	251	FB
TASK	233	E9
TASKSTART	611	263
TCAM	64	40
TCAMSNA	65	41
TCEXITALL	366	16E
TCEXITALLOFF	369	171
TCEXITNONE	368	170
TCEXITSYSTEM	367	16F
TERM	234	EA
TERMINAL	213	D5
TEXTKYBD	436	1B4

CVDA

CVDA	Dec Value	Hex Value
TEXTPRINT	438	1B6
THIRDINIT	627	273
TIMEOUT	511	1FF
TPS55M2	552	228
TPS55M3	553	229
TPS55M4	554	22A
TPS55M5	555	22B
TRANDUMP	186	BA
TRANIDONLY	452	1C4
TTI	77	4D
T3278M2	533	215
T3278M3	534	216
T3278M4	535	217
T3278M5	536	218
T3279M2	537	219
T3279M3	538	21A
T3279M4	539	21B
T3279M5	540	21C
UCTRAN	450	1C2
UNAVAILABLE	672	2A0
UNBLOCKED	17	11
UNDEFINED	14	0E
UNDETERMINED	355	163
UNENABLED	33	21
UNPROTECTED	505	1F9
UNREGISTERED	671	29F
UNSOLDATA	521	209
UPDATABLE	37	25
USER	642	282
USERDATAKEY	380	17C
USEREXECKEY	382	17E
USEROFF	322	142
USERON	321	141
USERTABLE	102	66
VALID	360	168
VALIDATION	440	1B8
VARIABLE	13	0D
VFORM	411	19B
VSAM	3	03
VTAM	60	3C
WAIT	340	154
WARMSTART	267	10B
WIN	545	221
XCF	665	299
XM	123	7B
XNOTDONE	144	90
XOK	143	8F
ZCPTRACE	364	16C

CVDA

CVDAs and numeric values in numeric sequence

Apar PN59157

Documentation for Apar PN59157 is in the next table

Dec Value	Hex Value	CVDA
1	1	NOTAPPLIC
1	1	IGNORE
2	2	BDAM
3	3	VSAM
4	4	REMOTE
5	5	ESDS
6	6	KSDS
7	7	RRDS
8	8	KEYED
9	9	NOTKEYED
10	A	BASE
11	B	PATH
12	C	FIXED
13	D	VARIABLE
14	E	UNDEFINED
16	10	BLOCKED
17	11	UNBLOCKED
18	12	OPEN
19	13	CLOSED
20	14	OPENING
21	15	CLOSING
22	16	CLOSEREQUEST
23	17	ENABLED
24	18	DISABLED
25	19	DISABLING
26	1A	OLD
27	1B	SHARE
29	1D	RECOVERABLE
30	1E	NOTRECOVABLE
31	1F	EMPTYREQ
32	20	NOEMPTYREQ
33	21	UNENABLED
35	23	READABLE
36	24	NOTREADABLE
37	25	UPDATABLE
38	26	NOTUPDATABLE
39	27	BROWSABLE
40	28	NOTBROWSABLE
41	29	ADDABLE
42	2A	NOTADDABLE

CVDA

Dec Value	Hex Value	CVDA
43	2B	DELETABLE
44	2C	NOTDELETABLE
45	2D	HEX
46	2E	DEC
47	2F	BLK
48	30	EXCTL
49	31	NOEXCTL
52	34	ALTERABLE
53	35	NOTALTERABLE
54	36	LOG
55	37	NOLOG
56	38	CTRLABLE
57	39	NOTCTRLABLE
60	3C	VTAM
61	3D	BSAM
62	3E	BTAM
63	3F	BGAM
64	40	TCAM
65	41	TCAMSNA
66	42	CONSOLE
67	43	CREATE
68	44	NOCREATE
69	45	ACQUIRED
70	46	RELEASED
71	47	ACQUIRING
72	48	COLDACQ
73	49	INSERVICE
74	4A	OUTSERVICE
75	4B	ATI
76	4C	NOATI
77	4D	TTI
78	4E	NOTTI
79	4F	PAGEABLE
80	50	AUTOPAGEABLE
81	51	ALLOCATED
82	52	CONFFREE
83	53	CONFRECEIVE
84	54	CONFSEND
85	55	FREE
86	56	PENDFREE
87	57	PENDRECEIVE
88	58	RECEIVE
89	59	ROLLBACK
90	5A	SEND
91	5B	SYNCFREE
92	5C	SYNCRECEIVE
93	5D	SYNCSEND
94	5E	FREEING

CVDA

Dec Value	Hex Value	CVDA
95	5F	AVAILABLE
96	60	OBTAINING
100	64	NOTTABLE
101	65	CICSTABLE
102	66	USERTABLE
+ 103	67	REMTABLE
110	6E	PRIMARY
111	6F	TAKEOVER
121	79	IRC
122	7A	INDIRECT
123	7B	XM
124	7C	APPC
125	7D	LU61
126	7E	PENDING
127	7F	NOTPENDING
143	8F	XOK
144	90	XNOTDONE
149	95	C
150	96	ASSEMBLER
151	97	COBOL
152	98	PLI
152	98	PL1
154	9A	PROGRAM
155	9B	MAP
156	9C	PARTITIONSET
158	9E	ANY
159	9F	BELOW
160	A0	PURGEABLE
161	A1	NOTPURGEABLE
162	A2	OLDCOPY
163	A3	HOLD
164	A4	NOHOLD
165	A5	LPA
166	A6	NOTLPA
167	A7	NEWCOPY
168	A8	PHASEIN
169	A9	ALLCONN
170	AA	AUTOCONN
171	AB	NONAUTOCONN
172	AC	GOINGOUT
173	AD	SHARED
174	AE	PRIVATE
175	AF	SPRSTRACE
176	B0	STANTRACE
177	B1	SPECTRACE
178	B2	DYNAMIC
179	B3	STATIC
180	B4	STARTUP

CVDA

Dec Value	Hex Value	CVDA
181	B5	ACTIVE
182	B6	FIRSTQUIESCE
183	B7	FINALQUIESCE
184	B8	SYSDUMP
185	B9	NOSYSDUMP
186	BA	TRANDUMP
187	BB	NOTRANDUMP
188	BC	SWITCH
192	C0	BACKOUT
194	C2	EXTSECURITY
196	C4	NOSECURITY
197	C5	ALTERNATE
198	C6	DEFAULT
200	C8	OFF
201	C9	ON
202	CA	RESSECNO
+ 203	CB	RESSECINT
204	CC	RESSECYES
205	CD	CMDSECNO
207	CF	CMDSECYES
208	D0	COMMIT
209	D1	READBACK
210	D2	EMPTY
211	D3	NOTEMPTY
212	D4	FULL
213	D5	TERMINAL
214	D6	NOTERMINAL
215	D7	PHYSICAL
216	D8	LOGICAL
221	DD	EXTRA
222	DE	INTRA
223	DF	NOCTL
224	E0	ASACTL
225	E1	SWITCHING
226	E2	INPUT
227	E3	OUTPUT
228	E4	DISPATCHABLE
229	E5	RUNNING
231	E7	SUSPENDED
233	E9	TASK
234	EA	TERM
235	EB	DEST
236	EC	PURGE
237	ED	FORCEPURGE
241	F1	MCHCTL
242	F2	PRESETSEC
243	F3	NOPRESETSEC
244	F4	SIGNEDON

CVDA

Dec Value	Hex Value	CVDA
245	F5	SIGNEDOFF
246	F6	LUW
247	F7	AUXILIARY
248	F8	MAIN
250	FA	TAPE1
251	FB	TAPE2
252	FC	DISK1
253	FD	DISK2
254	FE	DISK2PAUSE
255	FF	SMF
257	101	OPENOUTPUT
258	102	READY
259	103	NOTREADY
260	104	CURRENT
261	105	CLOSELEAVE
262	106	AUTOARCH
263	107	NOAUTOARCH
264	108	REVERTED
265	109	ADVANCE
266	10A	COLDSTART
267	10B	WARMSTART
268	10C	EMERGENCY
269	10D	LOGTERM
270	10E	FINPUT
271	10F	FOUTPUT
272	110	FOPEN
273	111	FCLOSE
274	112	OK
275	113	READONLY
276	114	REMOVE
277	115	RECOVERED
285	11D	NOSWITCH
286	11E	SWITCHNEXT
287	11F	SWITCHALL
288	120	SHUTDOWN
289	121	NOSHUTDOWN
290	122	RESET
291	123	ADD
310	136	INTSTART
311	137	INTSTOP
312	138	AUXSTART
313	139	AUXPAUSE
314	13A	AUXSTOP
317	13D	GTFSTART
318	13E	GTFSTOP
319	13F	SYSTEMON
320	140	SYSTEMOFF
321	141	USERON

CVDA

Dec Value	Hex Value	CVDA
322	142	USEROFF
323	143	SINGLEON
324	144	SINGLEOFF
330	14A	PERF
331	14B	NOPERF
332	14C	EXCEPT
333	14D	NOEXCEPT
334	14E	EVENT
335	14F	NOEVENT
340	154	WAIT
341	155	NOWAIT
342	156	FORCE
350	15E	IMMCLOSE
351	15F	FORCECLOSE
352	160	IMMCLOSING
353	161	FORCECLOSING
354	162	FWDRECOVABLE
355	163	UNDETERMINED
356	164	NORMALBKOUT
357	165	FAILED BKOUT
358	166	FAILING BKOUT
359	167	INVALID
360	168	VALID
361	169	NOTFWDRCVBLE
362	16A	EXITTRACE
363	16B	NOEXITTRACE
364	16C	ZCPTRACE
365	16D	NOZCPTRACE
366	16E	TCEXITALL
367	16F	TCEXITSYSTEM
368	170	TCEXITNONE
369	171	TCEXITALLOFF
370	172	MODEL
370	172	CEDF
371	173	SURROGATE
371	173	NOCEDF
372	174	SESSION
373	175	APPC SINGLE
374	176	APPC PARALLEL
375	177	COBOL II
376	178	NOTINIT
377	179	LE370
378	17A	INACTIVE
379	17B	CICS DATAKEY
380	17C	USER DATAKEY
381	17D	CICS EXECKEY
382	17E	USER EXECKEY
383	17F	DPLSUBSET

CVDA

Dec Value	Hex Value	CVDA
384	180	FULLAPI
385	181	FMHPARM
386	182	NOFMHPARM
387	183	OBOPERID
388	184	NOOBOPERID
391	187	APLKYBD
392	188	NOAPLKYBD
393	189	APLTEXT
394	18A	NOAPLTEXT
395	18B	AUDALARM
396	18C	NOAUDALARM
397	18D	BACKTRANS
398	18E	NOBACKTRANS
399	18F	COLOR
400	190	NOCOLOR
401	191	COPY
402	192	NOCOPY
403	193	DUALCASE
404	194	NODUALCASE
405	195	EXTENDEDDES
406	196	NOEXTENDEDDES
407	197	FORMFEED
408	198	NOFORMFEED
409	199	HFORM
410	19A	NOHFORM
411	19B	VFORM
412	19C	NOVFORM
413	19D	HILIGHT
414	19E	NOHILIGHT
415	19F	KATAKANA
416	1A0	NOKATAKANA
417	1A1	LIGHTPEN
418	1A2	NOLIGHTPEN
419	1A3	MSRCONTROL
420	1A4	NOMSRCONTROL
421	1A5	OBFORMAT
422	1A6	NOOBFORMAT
423	1A7	OUTLINE
424	1A8	NOOUTLINE
425	1A9	PARTITIONS
426	1AA	NOPARTITIONS
427	1AB	PRINTADAPT
428	1AC	NOPRINTADAPT
429	1AD	PROGSYMBOL
430	1AE	NOPROGSYMBOL
431	1AF	ALLQUERY
432	1B0	NOQUERY
433	1B1	COLDQUERY

CVDA

Dec Value	Hex Value	CVDA
434	1B2	SOSI
435	1B3	NOSOSI
436	1B4	TEXTKYBD
437	1B5	NOTEXTKYBD
438	1B6	TEXTPRINT
439	1B7	NOTEXTPRINT
440	1B8	VALIDATION
441	1B9	NOVALIDATION
442	1BA	RELREQ
443	1BB	NORELREQ
444	1BC	DISCREQ
445	1BD	NODISCREQ
446	1BE	ALTPRTCOPY
447	1BF	NOALTPRTCOPY
448	1C0	PRTCOPY
449	1C1	NOPRTCOPY
450	1C2	UCTRAN
451	1C3	NOUCTRAN
452	1C4	TRANIDONLY
485	1E5	NEWSESSION
486	1E6	OLDSESSION
487	1E7	NOSTSN
488	1E8	STSNSET
489	1E9	STSNTEST
490	1EA	EB
491	1EB	CD
492	1EC	MORE
493	1ED	LIC
494	1EE	RU
495	1EF	NOTCDEB
496	1F0	NONE
497	1F1	DEFRESP1
498	1F2	DEFRESP2
499	1F3	DEFRESP3
500	1F4	NOALARM
501	1F5	ALARM
502	1F6	FMH
503	1F7	NOFMH
504	1F8	PROTECTED
505	1F9	UNPROTECTED
506	1FA	MDT
507	1FB	NOMDT
508	1FC	DATA
509	1FD	STSN
510	1FE	BEGINSESSION
511	1FF	TIMEOUT
512	200	INSTALLFAIL
513	201	DISCARDFAIL

CVDA

Dec Value	Hex Value	CVDA
514	202	SETFAIL
515	203	ACQFAIL
516	204	SESSIONLOST
517	205	SESSIONFAIL
518	206	CONVIDLE
519	207	ADDFAIL
520	208	DELETEFAIL
521	209	UNSOLDATA
522	20A	NORMALRESP
523	20B	EXCEPTRESP
524	20C	ATTENTION
525	20D	LUSTAT
526	20E	CANCEL
527	20F	RTR
528	210	DEFRESP1OR2
529	211	POSITIVE
530	212	NEGATIVE
531	213	NOMSGJRNL
532	214	INOUT
533	215	T3278M2
534	216	T3278M3
535	217	T3278M4
536	218	T3278M5
537	219	T3279M2
538	21A	T3279M3
539	21B	T3279M4
540	21C	T3279M5
541	21D	LUP
542	21E	FORMATTED
543	21F	DATASTREAM
544	220	LOSE
545	221	WIN
546	222	NOTINBOUND
547	223	INBOUND
549	225	RELEASING
550	226	INSTALLED
551	227	NOTINSTALLED
552	228	TPS55M2
553	229	TPS55M3
554	22A	TPS55M4
555	22B	TPS55M5
556	22C	NOCONV
557	22D	PENDSTSN
558	22E	PENDBEGIN
559	22F	APPLICATION
560	230	PENDDATA
561	231	PENDSTART
562	232	PENDRELEASE

CVDA

Dec Value	Hex Value	CVDA
563	233	RELEASE
564	234	PENDUNSOL
565	235	PENDPASS
+ 600	258	CONVERSE
+ 601	259	NOCONVERSE
+ 602	25A	SYNCPOINT
+ 603	25B	NOSYNCPOINT
+ 604	25C	GMT
+ 605	25D	LOCAL
606	25E	FORMATEDF
607	25F	NOFORMATEDF
608	260	NOTASKSTART
609	261	STARTED
610	262	STOPPED
611	263	TASKSTART
612	264	BUSY
613	265	NOTBUSY
614	266	SCS
615	267	DS3270
616	268	ASCII7
617	269	ASCII8
618	26A	AUTOSTART
623	26F	CONTROLSHUT
624	270	CANCELLED
625	271	FIRSTINIT
626	272	SECONDINIT
627	273	THIRDINIT
628	274	INITCOMPLETE
629	275	STANDBY
630	276	AUTOACTIVE
631	277	AUTOINACTIVE
632	278	CTLGALL
633	279	CTLGMODIFY
634	27A	CTLGNONE
635	27B	START
636	27C	POST
637	27D	DELAY
640	280	CLEAR
641	281	NOCLEAR
642	282	USER
643	283	SYSTEM
644	284	SHUTENABLED
645	285	SHUTDISABLED
650	28A	EXCI
651	28B	GENERIC
652	28C	SPECIFIC
653	28D	SYSCONNECT
654	28E	NOSYSCONNECT

CVDA

Dec Value	Hex Value	CVDA
657	291	NOISOLATE
658	292	ISOLATE
659	293	NOTDEFINED
660	294	CICS
661	295	NONCICS
663	297	SUBSPACE
664	298	BASESPACE
665	299	XCF
666	29A	REQUIRED
667	29B	NOTREQUIRED
668	29C	SOS
669	29D	NOTSOS
670	29E	REGISTERED
671	29F	UNREGISTERED
672	2A0	UNAVAILABLE
677	2A5	REGERROR
678	2A6	DEREGISTERED
679	2A7	DEREGERROR
684	2AC	DAE
685	2AD	NODAE
690	2B2	CONNECTED
691	2B3	NOTCONNECTED

CVDA

CVDAs returned by the INQ NETNAME|TERMINAL DEVICE command

CVDA sequence	Dec Value	Hex Value
BATCHLU	191	BF
BIPROG	160	A0
BISYNCH	128	80
CDRDLPRT	24	18
CONTNLU	189	BD
HARDCOPY	32	20
INTACTLU	190	BE
ISCMCONV	209	D1
LUCMODGRP	210	D2
LUCSESS	211	D3
LUTYPE4	193	C1
LUTYPE6	192	C0
MAGTAPE	20	14
RESSYS	208	D0
SDLC	176	B0
SEQDISK	18	12
SYSTEM3	161	A1
SYSTEM7	2	02
SYS370	164	A4
SYS7BSCA	166	A6
TCONSOLE	8	08
TELETYPE	34	22
TTCAM	80	50
TWX3335	33	21
T1050	36	24
T1053	74	4A
T2260L	65	41
T2260R	72	48
T2265	76	4C
T2740	40	28
T2741BCD	43	2B
T2741COR	42	2A
T2770	130	82
T2780	132	84
T2980	134	86
T3275R	146	92
T3277L	153	99
T3277R	145	91
T3284L	155	9B
T3284R	147	93
T3286L	156	9C
T3286R	148	94
T3600BI	138	8A

CVDA

CVDA sequence	Dec Value	Hex Value
T3601	177	B1
T3614	178	B2
T3650ATT	186	BA
T3650PIPE	184	B8
T3650USER	187	BB
T3653HOST	185	B9
T3735	136	88
T3740	137	89
T3780	133	85
T3790	180	B4
T3790SCSP	182	B6
T3790UP	181	B5
T7770	1	01
VIDEOTERM	64	40

CVDA

Dec Value	Hex Value	
1	01	T7770
2	02	SYSTEM7
8	08	TCONSOLE
18	12	SEQDISK
20	14	MAGTAPE
24	18	CDRDLPR
32	20	HARDCOPY
34	22	TELETYPE
33	21	TWX3335
36	24	T1050
40	28	T2740
42	2A	T2741COR
43	2B	T2741BCD
64	40	VIDEOTERM
65	41	T2260L
72	48	T2260R
74	4A	T1053
76	4C	T2265
80	50	TTCAM
128	80	BISYNCH
130	82	T2770
132	84	T2780
133	85	T3780
134	86	T2980
136	88	T3735
137	89	T3740
138	8A	T3600BI
145	91	T3277R
146	92	T3275R
147	93	T3284R
148	94	T3286R
153	99	T3277L
155	9B	T3284L
156	9C	T3286L
160	A0	BIPROG
161	A1	SYSTEM3
164	A4	SYS370
166	A6	SYS7BSCA
176	B0	SDLC
177	B1	T3601
178	B2	T3614
180	B4	T3790
181	B5	T3790UP
182	B6	T3790SCSP
184	B8	T3650PIPE
185	B9	T3653HOST
186	BA	T3650ATT
187	BB	T3650USER

CVDA

Dec Value	Hex Value	
189	BD	CONTNLU
190	BE	INTACTLU
191	BF	BATCHLU
192	C0	LUTYPE6
193	C1	LUTYPE4
208	D0	RESSYS
209	D1	ISCMCONV
210	D2	LUCMODGRP
211	D3	LUCSESS

EIB • EIB field names

Chapter 7. EXEC interface block (EIB)

This chapter contains General-use Programming Interface information.

EIB field names and descriptions

EIB field	COBOL	C/370	PL/I	ASM
EIBAID	PIC X(1)	char eibaid[1]	CHAR(1)	CL1
EIBATT	PIC X(1)	char eibatt[1]	CHAR(1)	CL1
EIBCALEN	PIC S9(4) COMP	short int eibcalen	FIXED BIN(15)	H
EIBCOMPL	PIC X(1)	char eibcompl[1]	CHAR(1)	CL1
EIBCONF	PIC X(1)	char eibconf[1]	CHAR(1)	CL1
EIBCPOSN	PIC S9(4) COMP	short int eibcposn	FIXED BIN(15)	H
EIBDATE	PIC S9(7) COMP-3	char eibdate[4]	FIXED DEC(7,0)	PL4
EIBDS	PIC X(8)	char eibds[8]	CHAR(8)	CL8
EIBEOC	PIC X(1)	char eibeoc[1]	CHAR(1)	CL1
EIBERR	PIC X(1)	char eiberr[1]	CHAR(1)	CL1
EIBERRCD	PIC X(4)	char eiberrcd[4]	CHAR(4)	CL4
EIBFMH	PIC X(1)	char eibfmh[1]	CHAR(1)	CL1
EIBFN	PIC X(2)	char eibfn[2]	CHAR(2)	CL2
EIBFREE	PIC X(1)	char eibfree[1]	CHAR(1)	CL1
EIBNODAT	PIC X(1)	char eibnodat[1]	CHAR(1)	CL1
EIBRCODE	PIC X(6)	char eibrcode[6]	CHAR(6)	CL6
EIBRECV	PIC X(1)	char eibrecv[1]	CHAR(1)	CL1
EIBREQID	PIC X(8)	char eibreqid[8]	CHAR(8)	CL8
EIBRESP	PIC S9(8) COMP	long int eibresp	FIXED BIN(31)	F
EIBRESP2	PIC S9(8) COMP	long int eibresp2	FIXED BIN(31)	F
EIBRLDBK	PIC X(1)	char eibrldb[1]	CHAR(1)	CL1
EIBRSRCE	PIC X(8)	char eibrsrce[8]	CHAR(8)	CL8
EIBSIG	PIC X(1)	char eibsig[1]	CHAR(1)	CL1
EIBSYNC	PIC X(1)	char eibsync[1]	CHAR(1)	CL1
EIBSYNRB	PIC X(1)	char eibsynrb[1]	CHAR(1)	CL1
EIBTASKN	PIC S9(7) COMP-3	char eibtaskn[4]	FIXED DEC(7,0)	PL4
EIBTIME	PIC S9(7) COMP-3	char eibtime[4]	FIXED DEC(7,0)	PL4
EIBTRMID	PIC X(4)	char eibtrmid[4]	CHAR(4)	CL4
EIBTRNID	PIC X(4)	char eibtrnid[4]	CHAR(4)	CL4

EIBFN codes

EIBFN codes

EIBFN Command value	Command	Type
	X'041E' ISSUE SIGNAL	API
	X'0420' ALLOCATE	API
	X'0422' FREE	API
	X'0424' POINT	API
	X'0426' BUILD ATTACH	API
	X'0428' EXTRACT ATTACH	API
	X'042A' EXTRACT TCT	API
	X'042C' WAIT CONVID	API
	X'042E' EXTRACT PROCESS	API
	X'0430' ISSUE ABEND	API
	X'0432' CONNECT PROCESS	API
	X'0434' ISSUE CONFIRMATION	API
	X'0436' ISSUE ERROR	API
	X'0438' ISSUE PREPARE	API
	X'043A' ISSUE PASS	API
	X'043C' EXTRACT LOGONMSG	API
	X'043E' EXTRACT ATTRIBUTES	API
	X'0602' READ	API
	X'0604' WRITE FILE	API
	X'0606' REWRITE	API
	X'0608' DELETE	API
	X'060A' UNLOCK	API
	X'060C' STARTBR	API
	X'060E' READNEXT	API
	X'0610' READPREV	API
	X'0612' ENDBR	API
	X'0614' RESETBR	API
	X'0802' WRITEQ TD	API
	X'0804' READQ TD	API
	X'0806' DELETEQ TD	API
	X'0A02' WRITEQ TS	API
	X'0A04' READQ TS	API
	X'0A06' DELETEQ TS	API
	X'0C02' GETMAIN	API
	X'0C04' FREEMAIN	API
	X'0E02' LINK	API
	X'0E04' XCTL	API
	X'0E06' LOAD	API
	X'0E08' RETURN	API
	X'0E0A' RELEASE	API
	X'0E0C' ABEND	API
	X'0E0E' HANDLE ABEND	API
	X'1002' ASKTIME	API
	X'1004' DELAY	API
X'0202'	ADDRESS	API
X'0204'	HANDLE CONDITION	API
X'0206'	HANDLE AID	API
X'0208'	ASSIGN	API
X'020A'	IGNORE CONDITION	API
X'020C'	PUSH	API
X'020E'	POP	API
X'0402'	RECEIVE	API
X'0404'	SEND	API
X'0406'	CONVERSE	API
X'0408'	ISSUE EODS	API
X'040A'	ISSUE COPY	API
X'040C'	WAIT TERMINAL	API
X'040E'	ISSUE LOAD	API
X'0410'	WAIT SIGNAL	API
X'0412'	ISSUE RESET	API
X'0414'	ISSUE DISCONNECT	API
X'0416'	ISSUE ENDOUTPUT	API
X'0418'	ISSUE ERASEAUP	API
X'041A'	ISSUE ENDFILE	API
X'041C'	ISSUE PRINT	API

EIBFN codes

EIBFN value	Command	Type	EIBFN value	Command	Type
X'1006'	POST	API	X'240E'	ISSUE CONFIRMATION	API
X'1008'	START	API	X'2410'	ISSUE ERROR	API
X'100A'	RETRIEVE	API	X'2412'	ISSUE SIGNAL	API
X'100C'	CANCEL	API	X'2414'	RECEIVE	API
X'1202'	WAIT EVENT	API	X'2416'	SEND	API
X'1204'	ENQ	API	X'2418'	WAIT	API
X'1206'	DEQ	API	X'241A'	ISSUE PREPARE	API
X'1208'	SUSPEND	API	X'241C'	EXTRACT	API
X'1402'	JOURNAL	API		ATTRIBUTES	
X'1402'	WRITE JOURNALNUM	API	X'4202'	INQUIRE	SPI
X'1404'	WAIT JOURNAL	API		AUTINSTMODEL	
X'1404'	WAIT JOURNALNUM	API	X'4210'	DISCARD	SPI
X'1602'	SYNCPOINT	API		AUTINSTMODEL	
X'1604'	RESYNC	API	X'4402'	INQUIRE PARTNER	SPI
X'1802'	RECEIVE MAP	API	X'4410'	DISCARD PARTNER	SPI
X'1804'	SEND MAP	API	X'4602'	INQUIRE PROFILE	SPI
X'1806'	SEND TEXT	API	X'4610'	DISCARD PROFILE	SPI
X'1808'	SEND PAGE	API	X'4802'	ENTER TRACENUM	API
X'180A'	PURGE MESSAGE	API	X'4804'	MONITOR	API
X'180C'	ROUTE	API	X'4A02'	ASKTIME ABSTIME	API
X'180E'	RECEIVE PARTN	API	X'4A04'	FORMATTIME	API
X'1810'	SEND PARTNSET	API	X'4C02'	INQUIRE FILE	SPI
X'1812'	SEND CONTROL	API	X'4C04'	SET FILE	SPI
X'1A02'	TRACE	API	X'4C10'	DISCARD FILE	SPI
X'1A04'	ENTER TRACEID	API	X'4E02'	INQUIRE PROGRAM	SPI
X'1C02'	DUMP	API	X'4E04'	SET PROGRAM	SPI
X'1E02'	ISSUE ADD	API	X'4E10'	DISCARD PROGRAM	SPI
X'1E04'	ISSUE ERASE	API	X'5002'	INQUIRE	SPI
X'1E06'	ISSUE REPLACE	API		TRANSACTION	
X'1E08'	ISSUE ABORT	API	X'5004'	SET TRANSACTION	SPI
X'1E0A'	ISSUE QUERY	API	X'5010'	DISCARD	SPI
X'1E0C'	ISSUE END	API		TRANSACTION	
X'1E0E'	ISSUE RECEIVE	API	X'5202'	INQUIRE TERMINAL	SPI
X'1E10'	ISSUE NOTE	API	X'5204'	SET TERMINAL	SPI
X'1E12'	ISSUE WAIT	API	X'5206'	INQUIRE NETNAME	SPI
X'1E14'	ISSUE SEND	API	X'5208'	SET NETNAME	SPI
X'2002'	BIF DEEDIT	API	X'5212'	INQUIRE TERMINAL	SPI
X'2202'	ENABLE	API	X'5214'	SET TERMINAL	SPI
X'2204'	DISABLE	API	X'5216'	INQUIRE NETNAME	SPI
X'2206'	EXTRACT EXIT	API	X'5402'	INQUIRE SYSTEM	SPI
X'2402'	ALLOCATE	API	X'5404'	SET SYSTEM	SPI
X'2404'	ASSIGN	API	X'5602'	SPOOLOPEN INPUT	API
X'2406'	EXTRACT PROCESS	API	X'5602'	SPOOLOPEN OUTPUT	API
X'2408'	FREE	API	X'5604'	SPOOLREAD	API
X'240A'	ISSUE ABEND	API	X'5606'	SPOOLWRITE	API
X'240C'	CONNECT PROCESS	API	X'5610'	SPOOLCLOSE	API

EIBFN codes

EIBFN value	Command	Type	EIBFN value	Command	Type
X'5802'	INQUIRE CONNECTION	SPI	X'7014'	SET MONITOR	SPI
X'5804'	SET CONNECTION	SPI	X'7202'	PERFORM RESETTIME	SPI
X'5A02'	INQUIRE MODENAME	SPI	X'7402'	SIGNON	API
X'5A04'	SET MODENAME	SPI	X'7404'	SIGNOFF	API
X'5C02'	INQUIRE TDQUEUE	SPI	X'7406'	VERIFY PASSWORD	API
X'5C04'	SET TDQUEUE	SPI	X'7408'	CHANGE PASSWORD	API
X'5E02'	INQUIRE TASK	SPI	X'7602'	PERFORM SHUTDOWN	SPI
X'5E04'	SET TASK	SPI	X'7802'	INQUIRE TRACEDEST	SPI
X'5E06'	CHANGE TASK	API	X'7804'	SET TRACEDEST	SPI
X'5E08'	INQUIRE STORAGE	SPI	X'7812'	INQUIRE TRACEFLAG	SPI
X'5E12'	INQUIRE TCLASS	SPI	X'7814'	SET TRACEFLAG	SPI
X'5E14'	SET TCLASS	SPI	X'7822'	INQUIRE TRACETYPE	SPI
X'5E18'	DISCARD TRANCLASS	SPI	X'7824'	SET TRACETYPE	SPI
X'5E1A'	INQUIRE TRANCLASS	SPI	X'7A02'	INQUIRE DSNAME	SPI
X'5E1C'	SET TRANCLASS	SPI	X'7A04'	SET DSNAME	SPI
X'5E22'	WAIT EXTERNAL	API	X'7E02'	DUMP TRANSACTION	API
X'5E32'	WAITCICS	API	X'7E04'	PERFORM DUMP	SPI
X'6002'	INQUIRE JOURNALNUM	SPI	X'8002'	INQUIRE TSQUEUE	SPI
X'6004'	SET JOURNALNUM	SPI	X'820E'	AP	FEPI
X'6202'	INQUIRE VOLUME	SPI	X'8210'	ALLOCATE POOL	FEPI
X'6204'	SET VOLUME	SPI	X'8210'	ALLOCATE PASSCONVID	FEPI
X'6402'	PERFORM SECURITY	SPI	X'8212'	CONVERSE FORMATTED	FEPI
X'6602'	INQUIRE DUMPDS	SPI	X'8214'	CONVERSE DATASTREAM	FEPI
X'6604'	SET DUMPDS	SPI	X'8216'	EXTRACT CONV	FEPI
X'6612'	INQUIRE TRANDUMPCODE	SPI	X'8218'	EXTRACT FIELD	FEPI
X'6614'	SET TRANDUMPCODE	SPI	X'821A'	EXTRACT STSN	FEPI
X'6622'	INQUIRE SYSDUMPCODE	SPI	X'821C'	FREE	FEPI
X'6624'	SET SYSDUMPCODE	SPI	X'821E'	ISSUE	FEPI
X'6802'	INQUIRE VTAM	SPI	X'8220'	RECEIVE FORMATTED	FEPI
X'6804'	SET VTAM	SPI	X'8222'	RECEIVE DATASTREAM	FEPI
X'6812'	INQUIRE AUTOINSTALL	SPI	X'8224'	SEND FORMATTED	FEPI
X'6814'	SET AUTOINSTALL	SPI	X'8226'	SEND DATASTREAM	FEPI
X'6A02'	QUERY SECURITY	API	X'8228'	START	FEPI
X'6C02'	WRITE OPERATOR	API	X'840E'	SP	FEPI
X'6C12'	CICSMESSAGE	API	X'8422'	INQUIRE PROPERTYSET	FEPI
X'6E02'	INQUIRE IRC	SPI	X'8428'	INSTALL	FEPI
X'6E04'	SET IRC	SPI		PROPERTYSET	
X'7002'	INQUIRE STATISTICS	SPI	X'8430'	DISCARD	FEPI
X'7004'	SET STATISTICS	SPI		PROPERTYSET	
X'7006'	PERFORM STATISTICS	SPI	X'8442'	INQUIRE NODE	FEPI
X'7008'	COLLECT STATISTICS	SPI	X'8444'	SET NODE	FEPI
X'7012'	INQUIRE MONITOR	SPI			

EIBRCODE values

EIBFN value	Command	Type
X'8444'	SET NODELIST	FEPI
X'8448'	INSTALL NODELIST	FEPI
X'844A'	ADD POOL	FEPI
X'844C'	DELETE POOL	FEPI
X'8450'	DISCARD NODELIST	FEPI
X'8462'	INQUIRE POOL	FEPI
X'8464'	SET POOL	FEPI
X'8464'	SET POOLLIST	FEPI
X'8468'	INSTALL POOL	FEPI
X'8470'	DISCARD POOL	FEPI
X'8482'	INQUIRE TARGET	FEPI
X'8484'	SET TARGETLIST	FEPI
X'8484'	SET TARGET	FEPI
X'8488'	INSTALL TARGETLIST	FEPI
X'8490'	DISCARD TARGETLIST	FEPI
X'84A2'	INQUIRE CONNECTION	FEPI
X'84A4'	SET CONNECTION	FEPI
X'8602'	ACQUIRE	SPI
X'8802'	INQUIRE EXITPROGRAM	SPI
X'8A02'	INQUIRE REQID	SPI
X'8C02'	WRITE MESSAGE	API

EIBRCODE values

See the notes at the end of the list of values for explanations of the numbers following some of the conditions.

EIBFN	EIBRCODE	Condition
02 ..	E0 ..	INVREQ
04 ..	04 ..	EOF
04 ..	10 ..	EODS
04 ..	C1 ..	EOF
04 ..	C2 ..	ENDINPT
04 ..	D0 ..	SYSIDERR ³
04 ..	D2 ..	SESSIONERR ⁴
04 ..	D3 ..	SYSBUSY ⁵
04 ..	D4 ..	SESSBUSY
04 ..	D5 ..	NOTALLOC
04 ..	E0 ..	INVREQ ⁶
04 ..	E1 ..	LENGERR ⁷
04 ..	E3 ..	WRBRK
04 ..	E4 ..	RDATT
04 ..	E5 ..	SIGNAL
04 ..	E6 ..	TERMIDERR
04 ..	E7 ..	NOPASSBKRD
04 ..	E8 ..	NOPASSBKWR
04 ..	EA ..	IGREQCD
04 ..	EB ..	CBIDERR
04 ..	F1 ..	TERMERR
04 ..	.. 20 ..	EOC
04 ..	.. 40 ..	INBFMH
04 ..	.. .. F6 ..	NOSTART
04 ..	.. .. F7 ..	NONVAL
06 ..	01 ..	FILENOTFOUND
06 ..	02 ..	ILLOGIC ¹
06 ..	08 ..	INVREQ
06 ..	0C ..	NOTOPEN
06 ..	0D ..	DISABLED
06 ..	0F ..	ENDFILE

EIBRCODE values

	EIBFN	EIBRCODE	Condition
06 .. 80			IOERR1
06 .. 81			NOTFND
06 .. 82			DUPREC
06 .. 83			NOSPACE
06 .. 84			DUPKEY
06 .. 85			SUPPRESSED
06 .. 86			LOADING
06 .. D0			SYSIDERR3
06 .. D1			ISCINVREQ
06 .. D6			NOTAUTH
06 .. E1			LENGERR
08 .. 01			QZERO
08 .. 02			QIDERR
08 .. 04			IOERR
08 .. 08			NOTOPEN
08 .. 10			NOSPACE
08 .. C0			QBUSY
08 .. D0			SYSIDERR3
08 .. D1			ISCINVREQ
08 .. D6			NOTAUTH
08 .. D7			DISABLED
08 .. E0			INVREQ
08 .. E1			LENGERR
0A .. 01			ITEMERR
0A .. 02			QIDERR
0A .. 04			IOERR
0A .. 08			NOSPACE
0A .. 20			INVREQ
0A .. D0			SYSIDERR3
0A .. D1			ISCINVREQ
0A .. D6			NOTAUTH
0A .. E1			LENGERR
0C .. E1			LENGERR
0C .. E2			NOSTG
0E .. 01			PGMIDERR
0E .. D6			NOTAUTH
0E .. E0			INVREQ
0E .. E1			LENGERR
+ 0E .. F1			TERMERR
10 .. 01	10 ..	01	ENDDATA
10 .. 04	10 ..	04	IOERR
10 .. 11	10 ..	11	TRANSIDERR
10 .. 12	10 ..	12	TERMIDERR
10 .. 14	10 ..	14	INVTSREQ
10 .. 20	10 ..	20	EXPIRED
10 .. 81	10 ..	81	NOTFND
10 .. D0	10 ..	D0	SYSIDERR3
10 .. D1	10 ..	D1	ISCINVREQ
10 .. D6	10 ..	D6	NOTAUTH
10 .. E1	10 ..	E1	LENGERR
10 .. E9	10 ..	E9	ENVDEFERR
10 .. FF	10 ..	FF	INVREQ
12 .. 32	12 ..	32	ENQBUSY
12 .. E0	12 ..	E0	INVREQ
12 .. E1	12 ..	E1	LENGERR
14 .. 01	14 ..	01	JIDERR
14 .. 02	14 ..	02	INVREQ
14 .. 05	14 ..	05	NOTOPEN
14 .. 06	14 ..	06	LENGERR
14 .. 07	14 ..	07	IOERR
14 .. 09	14 ..	09	NOJBUFSP
14 .. D6	14 ..	D6	NOTAUTH
16 .. 01	16 ..	01	ROLLEDBACK
18 .. 01	18 ..	01	INVREQ
18 .. 02	18 ..	02	RETPAGE
18 .. 04	18 ..	04	MAPFAIL
18 .. 08	18 ..	08	INVMPZ2
18 .. 20	18 ..	20	INVERTERM
18 .. 40	18 ..	40	RTESOME
18 .. 80	18 ..	80	RTEFAIL
18 .. E1	18 ..	E1	LENGERR
18 .. E3	18 ..	E3	WRBRK
18 .. E4	18 ..	E4	RDATT
18 02	18 ..	.. 02	PARTNFAIL
18 04	18 ..	.. 04	INVPARTN
18 08	18 ..	.. 08	INVPARTNSET
18 10	18 ..	.. 10	INVLDC
18 20	18 ..	.. 20	UNEXPIN
18 40	18 ..	.. 40	IGREQCD
18 80	18 80	TSIOERR
18 01	18 01	OVERFLOW
18 04	18 04	EODS
18 08	18 08	EOC

EIBRCODE values

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18 .. .. 10 .. .. IGREQID

1A .. E0 .. .. .. INVREQ
1A .. 04 .. .. .. DSSTAT
1A .. 08 .. .. .. FUNCERR
1A .. 0C .. .. .. SELNERR
1A .. 10 .. .. .. UNEXPIN
1A .. E1 .. .. .. LENGERR
1A .. .. 11 .. .. EODS
1A .. .. 2B .. .. IGREQCD
1A .. .. 20 .. .. EOC

22 .. 80 .. .. .. INVEXITREQ

4A .. .. .. 01 .. .. ERROR

56 .. .. .. 0D .. .. NOTFND
56 .. .. .. 10 .. .. INVREQ
56 .. .. .. 13 .. .. NOTOPEN
56 .. .. .. 14 .. .. ENDFILE
56 .. .. .. 15 .. .. ILLOGIC
56 .. .. .. 16 .. .. LENGERR
56 .. .. .. 2A .. .. NOSTG
56 .. .. .. 46 .. .. NOTAUTH
56 .. .. .. 50 .. .. NOSPOOL
56 .. .. .. 55 .. .. ALLOCERR
56 .. .. .. 56 .. .. STRELERR
56 .. .. .. 57 .. .. OPENERR
56 .. .. .. 58 .. .. SPOLBUSY
56 .. .. .. 59 .. .. SPOLERR
56 .. .. .. 5A .. .. NODEIDERR
56 .. .. .. 60 .. .. OUTDESCRERR
```

EIBRCODE values

Notes:

1. When ILLOGIC or IOERR occurs during file control operations, further information is provided in field EIBRCODE, as follows:

```
.. xx xx xx xx .. BDAM response
.. xx .. .. .. VSAM return code
.. .. xx .. .. VSAM error code
```

VSAM Administration: Macro Instruction Reference manual for VSAM, and the *Data Facility Product Customization Guide* for BDAM.

2. When INVMPsz occurs during BMS operations, byte 3 of field EIBRCODE contains the terminal code:

```
.. .. .. xx .. .. terminal code
```

3. When SYSIDERR occurs, further information is provided in bytes 1 and 2 of EIBRCODE, as follows:

```
.. 04 00 .. .. .. request was for invalid function
.. 04 04 .. .. .. no session available and NOQUEUE
.. 04 08 .. .. .. mode name not found
.. 04 0C .. .. .. mode name invalid
.. 04 10 .. .. .. task canceled or timed out during allocation
.. 04 14 .. .. .. mode group is out of service
.. 04 18 .. .. .. close - DRAIN=ALL (Note: APPC only)
.. 08 .. .. .. SYSID out of service,
    For function shipping requests, the exit program
    (XISCONA) may have refused to queue the request
    because the intersystem connection is busy
.. 0C xx .. .. .. SYSID definition error
.. 0C 00 .. .. .. name not that of TCTSE
.. 0C 04 .. .. .. name not that of remote TCTSE
.. 0C 08 .. .. .. mode name not found
.. 0C 0C .. .. .. profile not found
```

Further information about SYSIDERR can be found in the *CICS for MVS/ESA Intercommunication Guide*.

4. When SESSIONERR occurs, further information is provided in bytes 1 and 2 of EIBRCODE, as follows:

```
.. 08 .. .. .. session out of service
.. 0C xx .. .. .. session definition error
.. 0C 00 .. .. .. name not found
.. 0C 0C .. .. .. profile not found
```

Further information about SESSIONERR can be found in the *CICS for MVS/ESA Intercommunication Guide*.

EIBRCODE values

5. If SYSBUSY occurs on an ALLOCATE command that attempts to acquire a session to an APPC terminal or system, byte 3 of the EIBRCODE indicates where the error condition was detected:

.. . . **00** the request was for a session to a connected terminal or system
.. . . **01** the request was for a session to a remotely connected terminal or system, and the error occurred in the terminal-owning region (TOR) or an intermediate system
.. . . **02** the request was for a session to a remotely connected terminal or system, and the error occurred in the application-owning region (AOR)

Further information about SYSBUSY can be found in the *CICS for MVS/ESA Intercommunication Guide*.

6. When INVREQ occurs during terminal control operations, further information is provided in byte 3 of EIBRCODE as follows:

.. . . **04** ALLOCATE command - TCTTE already allocated
.. . . **08** FREE command - TCTTE in wrong state
.. . . **0C** CONNECT PROCESS command - SYNCLVL 2 has been requested but cannot be supported on the session in use
.. . . **10** EXTRACT ATTACH command - invalid data
.. . . **14** SEND command - CONFIRM option has been specified but conversation is not SYNCLVL 1
.. . . **18** EXTRACT TCT command - invalid netname
.. . . **1C** an invalid command has been issued for the terminal or logical unit in use
.. . . **20** an invalid command has been issued for the LU6.2 conversation type in use
.. . . **28** GETMAIN failure on ISSUE PASS command

EIBRCODE values

7. When LENGERR occurs during terminal control operations, further information is provided in byte 1 of EIBRCODE, as follows:

.. **00** input data is overlong and has been truncated
.. **04** on output commands, an invalid (FROM)LENGTH has been
 specified, either less than zero or greater than 32767
.. **08** on input commands, an invalid (TO)LENGTH has been
 specified, greater than 32767
.. **0C** length error has occurred on ISSUE PASS command

RESP values

RESP values and conditions

Apar PN58071

Documentation for Apar PN58071 is in the next table

RESP Condition value	RESP Condition value
00 NORMAL	35 TSIOERR
01 ERROR	36 MAPFAIL
02 RDATT	37 INVERRTERM
03 WRBRK	38 INVMPSZ
04 EOF	39 IGREQID
05 EODS	40 OVERFLOW
06 EOC	41 INVLDC
07 INBFMH	42 NOSTG
08 ENDINPT	43 JIDERR
09 NONVAL	44 QIDERR
10 NOSTART	45 NOJBUFSP
11 TERMIDERR	46 DSSTAT
12 FILENOTFOUND	47 SELNERR
13 NOTFND	48 FUNCERR
14 DUPREC	49 UNEXPIN
15 DUPKEY	50 NOPASSBKRD
16 INVREQ	51 NOPASSBKWR
17 IOERR	52 -
18 NOSPACE	53 SYSIDERR
19 NOTOPEN	54 ISCINVREQ
20 ENDFILE	55 ENQBUSY
21 ILLOGIC	56 ENVDEFERR
22 LENGERR	57 IGREQCD
23 QZERO	58 SESSIONERR
24 SIGNAL	59 SYSBUSY
25 QBUSY	60 SESSBUSY
26 ITEMERR	61 NOTALLOC
27 PGMIDERR	62 CBIDERR
28 TRANSIDERR	63 INVEXITREQ
29 ENDDATA	64 INVPARTNSET
30 INVTSREQ	65 INVPARTN
31 EXPIRED	66 PARTNFAIL
32 RETPAGE	67 -
33 RTEFAIL	68 -
34 RTESOME	69 USERIDERR

RESP values

RESP value	Condition	RESP value	Condition
70	NOTAUTH	85	ALLOCERR
71	VOLIDERR	86	STRELERR
72	SUPPRESSED	87	OPENERR
73	-	88	SPOLBUSY
74	-	89	SPOLERR
75	RESIDERR	90	NODEIDERR
76	-	91	TASKIDERR
77	-	92	TCIDERR
78	-	93	DSNNOTFOUND
79	-	94	LOADING
80	NOSPOOL	95	MODELIDERR
81	TERMERR	96	OUTDESCRERR
82	ROLLEDBACK	97	PARTNERIDERR
83	END	98	PROFILEIDERR
84	DISABLED	+ 99	NETNAMEIDERR
		255	NOTPOSS

RESP2 values

RESP2 values and their meanings

Note: The RESP2 values returned by the CICS/ESA Front End Programming Interface are described in the *CICS for MVS/ESA Front End Programming Interface User's Guide*.

Apar List

Documentation for the following APARs is included in this section

- PN63964
- PN69050 added 13 June 1995
- PN69349 added 5 June 1995
- PN72617 added 24 July 1995
- PN92143 added 21 February 1997

Command	Condition	RESP2	Meaning
ACQUIRE TERMINAL	INVREQ	2	The terminal is a remote terminal
		3	The terminal is LU6.1, APPC, IRC or a non-VTAM device
		4	The terminal is not in service; that is, it is not available for use.
		5	VTAM is not open
		7	CICS is already in the process of acquiring this session.
		8	NOQUEUE and QNOTENAB options are invalid for a logged-on device
		6	Out-of-range value supplied in the USERDATALEN option
		100	The user associated with the task is not authorized to issue this command
	TERMIDERR	1	The terminal cannot be found
	ADDRESS	INVREQ	200	TCTUA option not allowed in a server program invoked by a distributed program link.
ASSIGN	INVREQ	2	No BMS command has yet been issued, BMS routing is in effect, or no map has yet been positioned
		3	No BDI command has yet been issued
		4	The task is not initiated by automatic transaction initiation (ATI)
		5	The task is not associated with a terminal

RESP2 values

Command	Condition	RESP2	Meaning
		200	Command syntax options are not allowed in a server program invoked by a distributed program link
CHANGE PASSWORD	INVREQ	13	There is an unknown return code in ESMRESP from the external security manager
		18	The CICS external security manager interface is not initialized
		29	The external security manager is not responding
	NOTAUTH	2	The supplied password is wrong
		4	The new password is not acceptable
		19	The USERID is revoked
		22	The change password request failed during SECLEVEL processing
		31	The user is revoked in the connection to the default group
	USERIDERR	8	The USERID is not known to the external security manager
	CHANGE TASK	INVREQ	1	The PRIORITY value is outside the range 0–255
COLLECT STATISTICS	NOTFND	1	The requested resource cannot be found
		2	The type of resource is not defined in the CICS system
	IOERR	3	The requested statistics area was not functioning
	INVREQ	4	The TCLASS value was not in the range 1–10, or the LSRPOOL value was not in the range 1–8
	NOTAUTH	100	The user associated with the issuing task is not authorized to use this command
101		The user associated with the task is not authorized to see statistics for the requested resource	
CONNECT PROCESS	INVREQ	200	A distributed program link server application specified the function-shipping session (its principal facility) on the CONVID option

RESP2 values

Command	Condition	RESP2	Meaning
CONVERSE	INVREQ	200	A distributed program link server application specified the function-shipping session (its principal facility) on the CONVID option
DELAY	INVREQ	4	Hours are out of range
		5	Minutes are out of range
		6	Seconds are out of range
DELETE	FILENOTFOUND	1	The file name referred to in the FILE option cannot be found in the FCT
	INVREQ	20	Delete operations are not allowed according to the file entry specification in the FCT or the user-maintained data table was defined as a CICS file and the definition does not allow for delete operations
		21	A DELETE command was issued for a file referring to a VSAM ESDS
		22	A generic delete was issued for a file that is not a VSAM KSDS
		25	The KEYLENGTH and GENERIC options were specified, and the length specified in the KEYLENGTH option is greater than or equal to the length of a full key
		26	The KEYLENGTH option was specified (but the GENERIC option is not specified), and the specified length does not equal the length defined for the data set to which this file refers
		27	A DELETE command was issued for a file referring to a BDAM data set
		31	A DELETE command without the RIDFLD option was issued for a file for which no previous READ UPDATE command has been issued
		42	The KEYLENGTH and GENERIC options were specified, and the length specified in the KEYLENGTH option is less than zero

RESP2 values

Command	Condition	RESP2	Meaning
		44	The DELETE command does not conform to the format of DELETE for a user-maintained table; for example if GENERIC were specified
		47	A DELETE instruction included a token whose value cannot be matched against any token in use for an existing READ for UPDATE request
		48	An attempt has been made to function-ship a request which includes a TOKEN keyword
	DISABLED	50	A file is disabled
	NOTOPEN	60	The requested file is CLOSED and UNENABLED <u>or</u> the requested file is OPEN and in use by other transactions, but a close request against it has been received
	ISCINVREQ	70	The remote system indicated a failure that does not correspond to a known condition
	NOTFND	80	An attempt to delete a record based on the search argument provided is unsuccessful <u>or</u> , for user-maintained data tables, an attempt to delete a record was unsuccessful because there is no entry with the specified key in the data table
	NOTAUTH	101	A resource security check has failed on FILE(filename)
	LOADING	104	A delete request has been issued for a user-maintained table that is currently being loaded
	ILLOGIC	110	A VSAM error has occurred which does not fall within the one of the other CICS response categories
	IOERR	120	There has been an I/O error during the file control operation
	SYSIDERR	130	The SYSID option specified a name that is neither the local nor the remote system (made known to CICS by defining a CONNECTION); <u>or</u> the link to the remote system was closed.

RESP2 values

Command	Condition	RESP2	Meaning
	DUPKEY	140	A record has been accessed by way of an alternate index with the NONUNIQUEKEY attribute, and another alternate index record with the same key follows
DEQ	LENGERR	1	The value specified for the LENGTH option is outside the range 1–255
	INVREQ	2	The MAXLIFETIME option has an incorrect CVDA
DISABLE PROGRAM	NOTAUTH	100	The user associated with the issuing task is not authorized to use this command
+		101	The user associated with the issuing task is not authorized to access this particular resource in the way required by this command.
+			
+			
+			
DISCARD AUTINSTMODEL	MODELIDERR	1	The model cannot be found
	INVREQ	2	The model you requested is currently in use
		3	The model cannot be discarded because its name begins with DFH
	NOTAUTH	100	The user associated with the issuing task is not authorized to use this command
DISCARD FILE	INVREQ	2	The file is not closed
		3	The file is not disabled
		25	The file definition is currently in use
		26	The file cannot be discarded because its name begins with DFH
	FILENOTFOUND	18	The file cannot be found
	NOTAUTH	100	The user associated with the issuing task is not authorized to use this command
		101	The user associated with the issuing task is not authorized to discard the resource definition
DISCARD PARTNER	PARTNERIDERR	1	The partner cannot be found

RESP2 values

Command	Condition	RESP2	Meaning
		5	The Partner Resource Manager (PRM) is not active, because it failed to initialize during CICS initialization
	INVREQ	2	The partner definition is currently in use
		3	The partner cannot be discarded because its name begins with DFH
	NOTAUTH	100	The user associated with the issuing task is not authorized to use this command
DISCARD PROFILE	PROFILEIDERR	1	The profile cannot be found
	INVREQ	2	The profile definition is currently in use
		3	A transaction definition points to the profile
		4	The profile cannot be discarded because its name begins with DFH
	NOTAUTH	100	The user associated with the issuing task is not authorized to use this command
DISCARD PROGRAM	INVREQ	1	The resource cannot be discarded because its name begins with DFH
		11	The resource definition is currently in use
		15	The resource cannot be discarded because it is a user-replaceable module
	PGMIDERR	7	The resource definition cannot be found
	NOTAUTH	100	The user associated with the issuing task is not authorized to use this command
		101	The user associated with the issuing task is not authorized to discard the resource definition
DISCARD TRANCLASS	TCIDERR	1	The transaction class cannot be found
	INVREQ	2	The TRANCLASS definition is in use
		12	The transaction class cannot be discarded because installed transactions belong to it

RESP2 values

Command	Condition	RESP2	Meaning
	NOTAUTH	100	The user associated with the issuing task is not authorized to use this command
DISCARD TRANSACTION	TRANSIDERR	1	The transaction cannot be found
		4	The transaction cannot be discarded because its name begins with C
	12	The transaction definition is currently in use	
	13	The transaction is a SIT parameter	
	14	The transaction is scheduled to run at a future time (in use by an interval control element)	
	15	The transaction is scheduled to run when required resources are available (in use by an automatic initiate descriptor)	
	NOTAUTH	100	The user associated with the issuing task is not authorized to use this command
		101	The user associated with the issuing task is not authorized to discard the resource definition
	DUMP TRANSACTION	SUPPRESSED	1	The transaction dump is suppressed by MAXIMUM in table
2			The transaction dump is suppressed by NOTRANDUMP in table
3			The transaction dump is suppressed by a user exit program
NOSPACE		4	The transaction dump is incomplete due to lack of space
NOSTG		5	CICS has run out of working storage
NOTOPEN		6	The current CICS dump routine is not open
OPENERR		7	Error on opening, closing, or writing to, the current CICS dump routine
IOERR		9	The SDUMP process is not authorized
		10	An error occurs during system dumping
INVREQ		13	An incorrect DUMPCODE is specified. DUMPCODE must not contain leading or imbedded blanks

RESP2 values

Command	Condition	RESP2	Meaning
ENABLE PROGRAM	NOTAUTH	100	The user associated with the issuing task is not authorized to issue this command
		101	The user associated with the task is not authorized to access this particular resource in the way required by this command.
ENDBR	FILENOTFOUND	1	The name referred to in the FILE option cannot be found in the FCT
	INVREQ	35	The REQID, if any, does not match that of any successful STARTBR command
	ISCINVREQ	70	The remote system indicated a failure that does not correspond to a known condition
	NOTAUTH	101	A resource security check has failed on FILE(filename)
	ILLOGIC	110	A VSAM error which does not fall within one of the other CICS response categories has occurred.
	SYSIDERR	130	The SYSID option specified a name that is neither the local nor the remote system (made known to CICS by defining a connection); <u>or</u> the link to the remote system is closed.
ENQ	LENGERR	1	The value specified for the LENGTH option is outside the range 1–255
	INVREQ	2	The MAXLIFETIME option has an incorrect CVDA
ENTER TRACENUM	INVREQ	1	TRACENUM is outside the range 0–199
		2	There is no valid trace destination
		3	The user trace master flag is set OFF and EXCEPTION has not been specified
	LENGERR	4	FROMLENGTH is outside the range 0–4000 specified
EXTRACT ATTRIBUTES (APPC)	INVREQ	200	A distributed program link server application explicitly, or implicitly by default, specified the function-shipping session (its principal facility) on the CONVID option

RESP2 values

Command	Condition	RESP2	Meaning
EXTRACT ATTRIBUTES (MRO)	INVREQ	200	A distributed program link server application explicitly, or implicitly by default, specified the function-shipping session (its principal facility) on the CONVID option
EXTRACT PROCESS	INVREQ	200	A distributed program link server application specified the function-shipping session (its principal facility) on the CONVID option
FORMATTIME	INVREQ	1	The ABSTIME option is in an incorrect format
FREE (APPC)	INVREQ	200	A distributed program link server application specified the function-shipping session (its principal facility) on the CONVID option
FREEMAIN	INVREQ	1	The storage specified by the DATA or DATAPOINTER parameter was not storage acquired by a GETMAIN command
		2	The storage area specified by the DATA or DATAPOINTER parameter was in CICS-key storage, and the program issuing the FREEMAIN command was in user-key.
GETMAIN	LENGERR	1	The FLENGTH value was less than 1 or greater than the length of the target storage area from which the request was to be satisfied
	NOSTG	2	The storage requested was more than was currently available in the target DSA
HANDLE ABEND	PGMIDERR	1	The program has no entry in the PPT and autoinstall for programs is not active
		2	The program is disabled
		9	The installed program definition is for a remote program

RESP2 values

Command	Condition	RESP2	Meaning
HANDLE AID	INVREQ	200	A distributed program link server application specified the function-shipping session (its principal facility) on the CONVID option
INQUIRE AUTINSTMODEL	ILLOGIC	1	A START has been given when a browse is already in progress, or a NEXT or an END has been given without a preceding START
	MODELIDERR	1	The model specified cannot be found
	END	2	There are no more autoinstall models
	NOTAUTH	100	The user associated with the issuing task is not authorized to use this command
INQUIRE AUTOINSTALL	INVREQ	1	VTAM is not in use in this system
	NOTAUTH	100	The user associated with the issuing task is not authorized to use this command
INQUIRE CONNECTION	END	2	All authorized resource definitions have been retrieved. All data areas specified on this command are left unchanged
	ILLOGIC	1	A START has been given when a browse is already in progress or a NEXT or an END has been given without a preceding START
	NOTAUTH	100	The user associated with the issuing task is not authorized to use this command
	SYSIDERR	1	The named connection could not be found
INQUIRE DELETSHIPED	NOTAUTH	100	The user associated with the issuing task is not authorized to use this command
INQUIRE DSNAME	DSNOTFOUND	1	The data set cannot be found
	END	2	All authorized resource definitions have been retrieved. All data areas specified on this command are left unchanged

RESP2 values

Command	Condition	RESP2	Meaning
	ILLOGIC	1	A START has been given when a browse is already in progress <u>or</u> a NEXT or an END has been given without a preceding START
	NOTAUTH	100	The user associated with the issuing task is not authorized to use this command
INQUIRE DUMPDS	NOTAUTH	100	The user associated with the issuing task is not authorized to use this command
INQUIRE EXITPROGRAM	INVREQ	3	The exit identified by EXITPROGRAM and ENTRYNAME does not exist
	NOTAUTH	100	The user associated with the issuing task is not authorized to use this command
		101	The access you have requested to this user exit program is not authorized
	PGMIDERR	1	<ul style="list-style-type: none"> • The load module named on the EXITPROGRAM parameter is not defined to CICS, <u>or</u> • The load module is not in the load library, <u>or</u> • The load module has been disabled, <u>or</u> • The exit identified by EXITPROGRAM and ENTRYNAME is not enabled • The EXIT parameter is missing for an inquiry on a global user exit
INQUIRE FILE	END	2	All authorized resource definitions have been retrieved. All data areas specified on this command are left unchanged
	FILENOTFOUND	1	The file cannot be found
	ILLOGIC	1	A START has been given when a browse is already in progress <u>or</u> a NEXT or an END has been given without a preceding START
	NOTAUTH	100	The user associated with the issuing task is not authorized to use this command

RESP2 values

Command	Condition	RESP2	Meaning
		101	The access that you have requested to this file is not authorized. (Not applicable to INQUIRE FILE START, INQUIRE FILE NEXT, or INQUIRE FILE END commands)
INQUIRE IRC	NOTAUTH	100	The user associated with the issuing task is not authorized to use this command
INQUIRE JOURNALNUM	END	2	All authorized resource definitions have been retrieved. All data areas specified on this command are left unchanged
	ILLOGIC	1	A START has been given when a browse is already in progress <u>or</u> a NEXT or an END has been given without a preceding START
	IOERR	5	An error has occurred in the device, the medium, or the access method
		7	An error occurred writing the journal archiving control data set (JACD)
		8	A logic error occurred in recording an archive in the journal archiving control data set (JACD)
	JIDERR NOTAUTH	1	The journal cannot be found
		100	The user associated with the issuing task is not authorized to use this command
		101	The user associated with the task is not authorized to inquire about this journal
INQUIRE MODENAME	END	2	All authorized resource definitions have been retrieved. All data areas specified on this command are left unchanged
	ILLOGIC	1	A START has been given when a browse is already in progress, <u>or</u> a NEXT or END has been given without a preceding START
	SYSIDERR	1	The connection cannot be found
		2	The modename within the connection cannot be found

RESP2 values

Command	Condition	RESP2	Meaning
		3	The connection specified on an INQUIRE MODENAME NEXT cannot be found
	NOTAUTH	100	The user associated with the issuing task is not authorized to use this command
INQUIRE MONITOR	NOTAUTH	100	The user associated with the issuing task is not authorized to use this command
INQUIRE PARTNER	END	2	There are no more partner definitions. All data areas specified on this command are left unchanged
	ILLOGIC	1	A START has been given when a browse is already in progress <u>or</u> a NEXT or an END has been given without a preceding START
	PARTNERIDERR	1	The partner cannot be found
		2	Partner Resource Manager (PRM) is not active, because it failed to initialize during CICS initialization
	NOTAUTH	100	The user associated with the issuing task is not authorized to use this command
INQUIRE PROFILE	END	2	All authorized resource definitions have been retrieved. All data areas specified on this command are left unchanged
	ILLOGIC	1	A START has been given when a browse is already in progress, <u>or</u> a NEXT or an END has been given without a preceding START
	PROFILEIDERR	1	The profile cannot be found
	NOTAUTH	100	The user associated with the issuing task is not authorized to use this command
INQUIRE PROGRAM	END	2	All authorized resource definitions have been retrieved. All data areas specified on this command are left unchanged
	ILLOGIC	1	A START has been given when a browse is already in progress <u>or</u> or a NEXT or an END has been given without a preceding START
	PGMIDERR	1	The program cannot be found

RESP2 values

Command	Condition	RESP2	Meaning
	NOTAUTH	100	The user associated with the issuing task is not authorized to use this command
		101	The user associated with the task is not authorized to inquire about this resource
INQUIRE REQID	NOTAUTH	100	The user associated with the issuing task is not authorized to use this command
	INVREQ	3	An I/O error occurred while an attempt was made to read data from temporary storage for the SET, QUEUE, RTERMID or RTRANSID option
		4	Data required for the SET, QUEUE, RTERMID or RTRANSID option cannot be returned because it has been deleted from temporary storage
	NOTFND	1	The REQID cannot be found
INQUIRE STATISTICS	NOTAUTH	100	The user associated with the issuing task is not authorized to use this command
INQUIRE STORAGE	NOTAUTH	100	The user associated with the issuing task is not authorized to use this command
	TASKIDERR	1	The task number does not exist
		2	The task number is a system task, not a user task
INQUIRE SYSDUMPCODE	END	2	All authorized resource definitions have been retrieved. All data areas specified on this command are left unchanged
	NOTAUTH	100	The user associated with the issuing task is not authorized to use this command
	NOTFND	1	The named dump code cannot be found
INQUIRE SYSTEM	NOTAUTH	100	The user associated with the issuing task is not authorized to use this command
INQUIRE TASK	TASKIDERR	1	The named task cannot be found

RESP2 values

Command	Condition	RESP2	Meaning
		2	The named task is CICS-protected; that is, it is a CICS-supplied transaction that is normally invoked from within CICS and not by an operator
	NOTAUTH	100	The user associated with the issuing task is not authorized to use this command
INQUIRE TASK LIST	NOTAUTH	100	The user associated with the issuing task is not authorized to use this command
INQUIRE TCLASS	TCIDERR	1	The named task class cannot be found
	NOTAUTH	100	The user associated with the issuing task is not authorized to use this command
INQUIRE TDQUEUE	END	2	All authorized resource definitions have been retrieved. All data areas specified on this command are left unchanged
	ILLOGIC	1	A START has been given when a browse is already in progress, <u>or</u> a NEXT or an END has been given without a preceding START
	NOTAUTH	100	The user associated with the issuing task is not authorized to use this command
		101	The access that you have requested to this queue is not authorized
	QIDERR	1	The named queue cannot be found
INQUIRE TERMINAL	END	2	All authorized resource definitions have been retrieved. All data areas specified on this command are left unchanged
	ILLOGIC	1	A START has been given when a browse is already in progress <u>or</u> a NEXT or an END has been given without a preceding START
	NOTAUTH	100	The user associated with the issuing task is not authorized to use this command
	TERMIDERR	1	The named terminal cannot be found

RESP2 values

Command	Condition	RESP2	Meaning
INQUIRE TRACEDEST	NOTAUTH	100	The user associated with the issuing task is not authorized to use this command
INQUIRE TRACEFLAG	NOTAUTH	100	The user associated with the issuing task is not authorized to use this command
INQUIRE TRACETYPE	NOTFND	1	At least one CICS component was not accessible
	NOTAUTH	100	The user associated with the issuing task is not authorized to use this command
INQUIRE TRANCLASS	INVREQ	12	The TRANCLASS definition is in use
	NOTAUTH	101	The use of this command is not authorized
	TCIDERR	1	The named tranclass cannot be found
INQUIRE TRANDUMPCODE	END	2	All authorized resource definitions have been retrieved. All data areas specified on this command are left unchanged
	ILLOGIC	1	A START has been given when a browse is already in progress <u>or</u> a NEXT or an END has been given without a preceding START
	NOTAUTH	100	The user associated with the issuing task is not authorized to use this command
	NOTFND	1	The named dump code cannot be found
INQUIRE TRANSACTION	END	2	All authorized resource definitions have been retrieved. All data areas specified on this command are left unchanged
	ILLOGIC	1	A START has been given when a browse is already in progress <u>or</u> a NEXT or an END has been given without a preceding START
	TRANSIDERR	1	The named transaction could not be found

RESP2 values

Command	Condition	RESP2	Meaning
	INVREQ	3	The TCLASS operand has been inquired upon, and: <ul style="list-style-type: none"> • The transaction is defined with an inconsistent TCLASS number and TRANCLASS name, and • The TCLASS name is not one of the ten CICS-supplied default names, DFHTCL01 through DFHTCL10
		10	The PCT profile is not available
		100	The user associated with the issuing task is not authorized to use this command
	NOTAUTH	101	The access that you have requested to this transaction is not authorized
		2	An INQUIRE NEXT TSQUEUE is issued when the last temporary storage queue has already been browsed. All data areas specified on the last successful INQUIRE TSQUEUE NEXT command are left unchanged
		1	A START has been given when a browse is already in progress, or a NEXT or an END has been given without a preceding START
INQUIRE TSQUEUE	NOTAUTH	100	The user associated with the issuing task is not authorized to use this command
		101	The terminal user is not authorized to access the named temporary storage queue
		1	The named temporary storage queue cannot be found
INQUIRE VOLUME	END	2	All authorized resource definitions have been retrieved. All data areas specified on this command are left unchanged
		1	A START has been given when a browse is already in progress or a NEXT or an END has been given without a preceding START
		2	The named journal cannot be found
	JIDERR	2	The named journal cannot be found

RESP2 values

Command	Condition	RESP2	Meaning
		3	NEXT was specified, but the named journal cannot be found
	NOTAUTH	100	The user associated with the issuing task is not authorized to use this command
		101	The access requested to this journal is not authorized
	VOLIDERR	1	The named volume cannot be found
INQUIRE VTAM	INVREQ	2	PSDINTERVAL or PSDINTHRS, PSDINTMINS, PSDINTSECS has been specified and VTAM does not support persistent sessions, <u>or</u> VTAM is not present in the system
	NOTAUTH	100	The user associated with the issuing task is not authorized to use this command
ISSUE ABEND	INVREQ	200	A distributed program link server application specified the function-shipping session (its principal facility) on the CONVID option
ISSUE ABORT	INVREQ	200	A distributed program link server application specified the function-shipping session (its principal facility) on the CONVID option
ISSUE ADD	INVREQ	200	A distributed program link server application specified the function-shipping session (its principal facility) on the CONVID option
ISSUE CONFIRMATION	INVREQ	200	A distributed program link server application specified the function-shipping session (its principal facility) on the CONVID option
ISSUE END	INVREQ	200	A distributed program link server application specified the function-shipping session (its principal facility) on the CONVID option

RESP2 values

Command	Condition	RESP2	Meaning
ISSUE ENDFILE	INVREQ	200	A distributed program link server application attempted to send on its function-shipping session, its principal facility
ISSUE ENDOUTPUT	INVREQ	200	A distributed program link server application attempted to send on its function shipping session, its principal facility
ISSUE EODS	INVREQ	200	A distributed program link server application attempted to send on its function shipping session, its principal facility
ISSUE ERASE	INVREQ	200	A distributed program link server application specified the function-shipping session (its principal facility) on the CONVID option
ISSUE ERASEAUP	INVREQ	200	A distributed program link server application specified the function-shipping session (its principal facility) on the CONVID option
ISSUE ERROR	INVREQ	200	A distributed program link server application specified the function-shipping session on the CONVID option
ISSUE NOTE	INVREQ	200	A distributed program link server application specified the function-shipping session (its principal facility) on the CONVID option
ISSUE PREPARE	INVREQ	200	A distributed program link server application specified the function-shipping session (its principal facility) on the CONVID option
ISSUE PRINT	INVREQ	200	A distributed program link server application specified the function-shipping session (its principal facility) on the CONVID option

RESP2 values

Command	Condition	RESP2	Meaning
ISSUE QUERY	INVREQ	200	A distributed program link server application specified the function-shipping session (its principal facility) on the CONVID option
ISSUE RECEIVE	INVREQ	200	A distributed program link server application specified the function-shipping session (its principal facility) on the CONVID option
ISSUE REPLACE	INVREQ	200	A distributed program link server application specified the function-shipping session (its principal facility) on the CONVID option
ISSUE RESET	INVREQ	200	A distributed program link server application specified the function-shipping session (its principal facility) on the CONVID option
ISSUE SEND	INVREQ	200	A distributed program link server application specified the function-shipping session (its principal facility) on the CONVID option
ISSUE SIGNAL (APPC)	INVREQ	200	A distributed program link server application specified the function-shipping session (its principal facility) on the CONVID option
ISSUE WAIT	INVREQ	200	A distributed program link server application specified the function-shipping session (its principal facility) on the CONVID option
LINK	INVREQ	8	A LINK command with the INPUTMSG option is issued for a program that is not associated with a terminal, <u>or</u> that is associated with an APPC logical unit, or an IRC session

RESP2 values

Command	Condition	RESP2	Meaning	
+		14	The SYNCONRETURN option is specified but the program issuing the link request (the client program) is already in conversation with a mirror task (that is, a logical unit-of-work (LUW) is in progress) in the remote region specified on the SYSID option. (That is, a logical unit-of-work (LUW) is in progress or MROFSE=YES has been specified in the client region). In this case, the client program is in an incorrect state to support the SYNCONRETURN option	
		15	The program issuing the link request is already in conversation with a mirror task and the TRANSID specified is different from the transaction identifier of the active mirror	
		16	The TRANSID specified is all blanks	
		19	The INPUTMSG option is issued for a program that is the subject of a DPL request; that is, SYSID is also specified	
		30	The program manager domain has not yet been initialized. This is probably due to a link request having been made in a first stage PLT	
		LENGERR	11	The COMMAREA length is less than 0 or greater than 32767
			12	The length specified on the DATALENGTH option is a negative value
			13	The length specified on the DATALENGTH option is greater than the length specified on the LENGTH option
			26	The COMMAREA address is zero, but the COMMAREA length is non zero
			27	The INPUTMSG length < 0 or > 32767
NOTAUTH	101	A resource security check has failed on PROGRAM(name)		

RESP2 values

Command	Condition	RESP2	Meaning
	PGMIDERR	1	A program has no entry in the PPT and either program autoinstall was switched off, or the program autoinstall control program indicated that the program should not be autoinstalled
		2	A program is disabled
		3	A program cannot be loaded because <ul style="list-style-type: none"> • This was the first load of the program and the program load failed, usually because the load module could not be found • This was a subsequent load of the program, but the first load failed <p>In order to reset the load status the load module must be in the DFHRPL concatenation, and a SET PROGRAM NEWCOPY will be required</p>
		21	The program autoinstall control program failed either because the program autoinstall control program is incorrect, incorrectly defined, or as a result of an abend in the program autoinstall control program. Program autoinstall is disabled and message DFHPG0202 or DFHPG0203 written to the CSPL
		22	The model returned by the program autoinstall control program is not defined in the PPT table, or is not enabled
		23	The program autoinstall control program returned invalid data
		24	Define for the program failed due to autoinstall returning an invalid program name or definition
	SYSIDERR	18	The SYSID specified cannot be found in the intersystem table, <u>or</u> the link to the specified system is unavailable

RESP2 values

Command	Condition	RESP2	Meaning
		20	The remote system specified by SYSID is an LUTYPE6.1-connected system. Distributed program link requests are not supported on LUTYPE6.1 connections
	TERMERR	17	An unrecoverable error occurred during the conversation with the mirror (for example, the session failed or the server region failed)
LOAD	INVREQ	30	The program manager domain has not yet been initialized. This is probably due to a load request having been made in a first stage PLT
	LENGERR	19	LENGTH is used and the length of the loaded program is not less than 32KB
	NOTAUTH	101	A resource security check has failed on PROGRAM(name)
	PGMIDERR	1	A program, table, or map has no entry in the PPT and either program autoinstall was switched off, or the program autoinstall control program indicated that the program should not be autoinstalled
		2	A program is disabled
		3	A program cannot be loaded because <ul style="list-style-type: none"> • This was the first load of the program and the program load failed, usually because the load module could not be found • This was a subsequent load of the program, but the first load failed In order to reset the load status the load module must be in the DFHRPL concatenation, and a SET PROGRAM NEWCOPY will be required
		9	The installed program definition is for a remote program

RESP2 values

Command	Condition	RESP2	Meaning
		21	The program autoinstall control program failed either because the program autoinstall control program is incorrect, incorrectly defined, or as a result of an abend in the program autoinstall control program. Program autoinstall is disabled and message DFHPG0202 or DFHPG0203 written to the CSPL
		22	The model returned by the program autoinstall control program was not defined in the PPT table, or was not enabled
		23	The program autoinstall control program returned invalid data
		24	Define for the program failed due to autoinstall returning an invalid program name or definition
MONITOR	INVREQ	1	POINT value is outside the range 1–255
		2	POINT value is not defined in the MCT
		3	DATA1 value is not valid
		4	DATA2 value is not valid
		5	DATA1 value not specified for an MCT operation that required it
		6	DATA2 value not specified for an MCT operation that required it
PERFORM DELETSHIPED	NOTAUTH	100	The user associated with the issuing task is not authorized to use this command
PERFORM DUMP	SUPPRESSED	1	The system dump is suppressed by MAXIMUM in table
		2	The system dump is suppressed by NOSYSDUMP in table
		3	The system dump is suppressed by a user exit program
		8	The system dump is suppressed by the global NOSYSDUMP option
	NOSPACE	4	The system dump is incomplete due to lack of space
	NOSTG	5	CICS has run out of working storage
	INVREQ	6	TITLELENGTH is greater than 80 bytes

RESP2 values

Command	Condition	RESP2	Meaning
		7	CALLERLENGTH is greater than 8 bytes
		13	An incorrect DUMPCODE is specified. DUMPCODE must not contain leading or imbedded blanks
	IOERR	9	PERFORM DUMP is not authorized
		10	An error occurs during system dumping
		12	No data set is available
	SYSBUSY	11	The dump routine is busy
	NOTAUTH	100	The user associated with the issuing task is not authorized to use this command
PERFORM RESETTIME	INVREQ	1	There is no clock in the system
	NOTAUTH	100	The user associated with the issuing task is not authorized to use this command
PERFORM SECURITY REBUILD	INVREQ	1	No ESM is installed, or the ESM is inactive
		5	The ESM is temporarily inactive, so cannot perform the requested refresh
	IOERR	3	Error returned from ESM. The return code is in the field ESMRESP if specified.
	NORMAL	0	Profiles rebuilt successfully. (The ESM does not support dynamic refresh of security profiles)
		4	The ESM contains support for refreshing its own resource profiles, so this CICS command is not required
	NOTAUTH	100	The user associated with the issuing task is not authorized to use this command
	SYSBUSY	3	A security rebuild is currently in progress
PERFORM SHUTDOWN	INVREQ	1	A normal shutdown has been requested but is already in progress
		2	Required XLT cannot be loaded
		3	Required PLT cannot be loaded
		4	XRF is not in effect

RESP2 values

Command	Condition	RESP2	Meaning
	NOTAUTH	100	The user associated with the issuing task is not authorized to use this command
PERFORM STATISTICS RECORD	IOERR	n	At least one of these statistics areas was not functioning and the data was therefore not available. The value of "n" identifies the last unavailable type. As much data as possible is recorded.
	NOTAUTH	100	The user associated with the issuing task is not authorized to use this command
	NOTFND	n	At least one of the resource types specified is not available. The value of "n" identifies the last unavailable type. As much data as possible is recorded. The values of "n" are as follows: <ul style="list-style-type: none"> 0 ALL 1 AUTOINSTALL 2 CONNECTION 3 DISPATCHER 4 (not used) 5 DTB 6 FILE 7 IRCBATCH 8 JOURNALNUM 9 (reserved) 10 LSRPOOL 11 MONITOR 12 PROGRAM 13 STATS 14 STORAGE 15 SYSDUMP 16 TABLEMGR 17 TASKCONTROL 18 TCLASS, TRANCLASS 19 TDQUEUE 20 TERMINAL 21 TRANDUMP 22 TRANSACTION 23 TSQUEUE 24 VTAM 25 FEPI
POST	INVREQ	4	Hours are out of range
		5	Minutes are out of range

RESP2 values

Command	Condition	RESP2	Meaning
		6	Seconds are out of range
PURGE MESSAGE	INVREQ	200	The command was called in a distributed program link server program
QUERY SECURITY	NOTFND	1	The RESID is not valid
		2	The RESTYPE is not valid
		3	The RESID value for RESTYPE (SPCOMMAND) is not valid
		5	The RESCLASS is not defined to the external security manager (ESM)
		8	The resource is not protected
			Possible causes include
			<ul style="list-style-type: none"> • RESCLASS not active • No profile found • ESM not active
	QIDERR	1	No indirect queue name associated with the given RESID has been found
	LENGERR	6	The RESIDLENGTH value is not valid, that is, not in the range 1–246
	INVREQ	7	The CVDA value is not valid for the LOGMESSAGE
		9	The RESID is invalid or filled with blanks
		10	The external security manager (ESM) is inactive or not present
READ	FILENOTFOUND	1	The file name referred to in the FILE option cannot be found in the FCT
	LENGERR	10	Neither the LENGTH nor SET options have been specified on a READ command for a file with variable-length records or for a BDAM file with variable-length or undefined-format records

RESP2 values

Command	Condition	RESP2	Meaning
		11	The length of a record read with the INTO option specified exceeds the value specified in the LENGTH option; the record is truncated, and the data area supplied in the LENGTH option is set to the actual length of the record
		13	An incorrect length is specified for a file with fixed-length records
	INVREQ	20	Read is not allowed according to the file entry specification in the FCT <u>or</u> a read command with the UPDATE option has been issued to a file where update operations are not allowed according to the file entry specification in the FCT
		25	The KEYLENGTH and GENERIC options are specified and the length specified in the KEYLENGTH option is greater than or equal to the length of a full key
		26	The KEYLENGTH option is specified (but the GENERIC option is not specified), and the specified length does not equal the length defined for the data set to which this file refers
		28	Following a READ UPDATE command for a file, another READ UPDATE command is issued for a file referencing the same data set before exclusive control is released by a REWRITE, UNLOCK, or DELETE command
		40	A BDAM key conversion error occurred
		42	The KEYLENGTH and GENERIC options are specified, and the length specified in the KEYLENGTH option is less than or equal to zero
		44	The command does not conform to the format of READ for a user-maintained table; for example if GTEQ is specified with UPDATE
		48	An attempt has been made to function-ship an UPDATE request which includes a TOKEN keyword

RESP2 values

Command	Condition	RESP2	Meaning
	DISABLED	50	A file was initially defined as disabled and has not since been enabled <u>or</u> it has been disabled by an EXEC CICS SET FILE or the CEMT SET FILE command
	NOTOPEN	60	The requested file is CLOSED and UNENABLED <u>or</u> the requested file is OPEN and in use by other transactions, but a CLOSE request against it has been received
	ISCVREQ	70	The remote system indicated a failure that does not correspond to a known condition
	NOTFND	80	An attempt to retrieve a record based on the search argument provided is unsuccessful <u>or</u> , for user-maintained data tables, an attempt to read a record is unsuccessful because there is no entry with the specified key in the data table
	NOTAUTH	101	A resource security check has failed on FILE(filename)
	LOADING	104	A READ UPDATE has been issued for a user-maintained data table that is currently being loaded
	ILLOGIC	110	A VSAM error has occurred which does not fall within one of the other CICS response categories
	IOERR	120	There has been an I/O error during the READ operation
	SYSIDERR	130	The SYSID option specifies a name that is neither the local nor the remote system (made known to CICS by defining a CONNECTION); <u>or</u> the link to the remote system is closed.
	DUPKEY	140	A record has been retrieved by way of an alternate index with the NONUNIQUEKEY attribute, and another alternate index record with the same key follows.
READNEXT	FILENOTFOUND	1	The file name referred to in the FILE option cannot be found in the FCT

RESP2 values

Command	Condition	RESP2	Meaning
	LENGERR	10	Neither the LENGTH nor SET options have been specified for a file with variable-length records or for a BDAM file with undefined-format records
		11	The length of a record read with the INTO option specified exceeds the value specified in the LENGTH option; the record is truncated, and the data areas supplied in the LENGTH option is set to the actual length of the record
		13	An incorrect length is specified for a file with fixed-length records
	INVREQ	25	The KEYLENGTH option is specified for a generic browse (that is one where GENERIC was specified on the STARTBR or the last RESETBR) and the value of KEYLENGTH was greater than the full key length
		26	The KEYLENGTH option is specified for a nongeneric browse, and the specified length does not equal the length defined for the data set to which this file refers
		34	The REQID, if any, does not match that of any successful STARTBR command
		37	The type of record identification used to access a data set during the browse is changed by the READNEXT command
		42	The KEYLENGTH option is specified for a generic browse (that is one where GENERIC was specified on the STARTBR or the last RESETBR) and the value of KEYLENGTH is less than zero
	ISCINVREQ	70	The remote system indicates a failure that does not correspond to a known condition
	NOTFND	80	An attempt to retrieve a record based on the search argument provided is unsuccessful
	ENDFILE	90	An end-of-file condition has been detected during a browse
	NOTAUTH	101	A resource security check has failed on FILE(filename)

RESP2 values

Command	Condition	RESP2	Meaning
	ILLOGIC	110	A VSAM error has occurred which does not fall within one of the other CICS response categories
	IOERR	120	There has been an I/O error during the READNEXT command
	SYSIDERR	130	The SYSID option specifies a name that is neither the local nor the remote system (made known to CICS by defining a CONNECTION); or the link to the remote system is closed.
	DUPKEY	140	A record has been retrieved by way of an alternate index with the NONUNIQUEKEY attribute, and another alternate index record with the same key follows
READPREV	FILENOTFOUND	1	The file name referred to in the FILE option cannot be found in the FCT
		10	Neither the LENGTH nor SET options have been specified for a file with variable-length records
		11	The length of a record read with the INTO option specified exceeds the value specified in the LENGTH option; the record is truncated, and the data area supplied in the LENGTH option is set to the actual length of the record
		13	An incorrect length is specified for a file with fixed-length records
	INVREQ	24	A READPREV command is issued for a file for which the previous STARTBR or RESETBR command has the GENERIC option
		26	The KEYLENGTH option is specified and the specified length does not equal the length defined for the data set this file refers to
		37	The type of record identification used to access a data set during the browse is changed
		39	A READPREV is issued for a BDAM file
		41	The REQID, if any, does not match that of any successful STARTBR command

RESP2 values

Command	Condition	RESP2	Meaning
	ISCINVREQ	70	The remote system indicated a failure that does not correspond to a known condition
	NOTFND	80	An attempt to retrieve a record based on the search argument provided is unsuccessful
	ENDFILE	90	An end-of-file condition has been detected during a browse
	NOTAUTH	101	A resource security check has failed on FILE(filename)
	ILLOGIC	110	A VSAM error has occurred which does not fall within one of the other CICS response categories
	IOERR	120	There has been an I/O error during the browse
	SYSIDERR	130	The SYSID option specified a name that has not been defined to CICS as a remote system (defined by defining a CONNECTION); <u>or</u> the link to the remote system is closed.
	DUPKEY	140	A record has been retrieved by way of an alternate index with the NONUNIQUEKEY attribute, and another alternate index record with the same key exists
RECEIVE	INVREQ	200	A distributed program link server application specified the function-shipping session (its principal facility) on the CONVID option
RELEASE	PGMIDERR	1	A program, table, or map has no entry in the PPT
		2	A program, table, or map is disabled
		9	The installed program definition is for a remote program
	INVREQ	5	An invalid attempt has been made by a program to release itself
		6	A RELEASE command has been issued for a program that is not loaded
		7	A RELEASE command has been issued for a program that is loaded, without the HOLD option, by another task

RESP2 values

Command	Condition	RESP2	Meaning
		17	A program has been defined with RELOAD=YES. It must be released by a FREEMAIN rather than a RELEASE command
		30	The program manager domain has not yet been initialized
RESETBR	FILENOTFOUND	1	The file name referred to in the FILE option cannot be found in the FCT
	INVREQ	25	The KEYLENGTH and GENERIC options are specified and the length specified in the KEYLENGTH option is greater than or equal to the length of a full key
		26	The KEYLENGTH option is specified (but the GENERIC option is not specified), and the specified length does not equal the length defined for the data set to which this file refers
		36	The REQID, if any, does not match that of any successful STARTBR command
		42	The KEYLENGTH and GENERIC options are specified, and the length specified in the KEYLENGTH option is less than zero
	ISCINVREQ	70	The remote system indicated a failure that does not correspond to a known condition
	NOTFND	80	An attempt to retrieve a record based on the search argument provided has been unsuccessful
	NOTAUTH	101	A resource security check has failed on FILE(filename)
	ILLOGIC	110	A VSAM error has occurred which does not fall within one of the other CICS response categories
	IOERR	120	There has been an I/O error during the file control operation
	SYSIDERR	130	The SYSID option specified a name that is neither the local nor the remote system (made known to CICS by defining a CONNECTION); or the link to the remote system is closed.

RESP2 values

Command	Condition	RESP2	Meaning	
RESYNC ENTRYNAME	NOTAUTH	100	The user associated with the issuing task is not authorized to use this command	
RETURN	INVREQ	1	A RETURN command with the TRANSID option has been issued by a program that is not associated with a terminal	
		2	A RETURN command with the COMMAREA or IMMEDIATE option has been issued in a program that is not at the highest logical level	
		4	A RETURN command with the TRANSID option has been issued in a program that is associated with an APPC logical unit	
		8	A RETURN command with the INPUTMSG option has been issued for a program that is not associated with a terminal, or that is associated with an APPC logical unit, or an IRC session	
		30	PG domain is not initialized. Parameters are not allowed on the EXEC RETURN statement in first stage PLT programs	
		200	A RETURN command has been issued with an INPUTMSG option in a program invoked by DPL	
		LENGERR	11	The COMMAREA length is less than 0 or greater than 32763
			26	The COMMAREA ADDRESS passed was zero, but the commarea length was non zero
			27	The INPUTMSG LENGTH was less than 0 or greater than 32767
		REWRITE	FILENOTFOUND	1	The file name referred to in the FILE option cannot be found in the FCT
10	The length option has not been specified for a file with variable-length records, or for a BDAM file with undefined format records			
LENGERR	12		The length specified exceeds the maximum record size	
	14		An incorrect length is specified for a file with fixed-length records	

RESP2 values

Command	Condition	RESP2	Meaning
	INVREQ	30	A REWRITE command has been issued without a token, the file control attempts to bind either of these with a previous READ for UPDATE command also without a token and it cannot be found
		46	A REWRITE command has attempted to change the length of a BDAM variable length record or block
		47	A REWRITE instruction included a token whose value cannot be matched against any token in use for an existing READ for UPDATE request
		48	An attempt has been made to function-ship a request which included a TOKEN keyword
	ISCINVREQ	70	The remote system indicated a failure that does not correspond to a known condition
	NOSPACE	100	No space is available on the direct access device for adding the updated record to the data set
		103	For user-maintained data tables, CICS is unable to get sufficient storage in the CICS address space to store the updated data table entry
	NOTAUTH	101	A resource security check has failed on FILE(filename)
	ILLOGIC	110	A VSAM error has occurred which does not fall within one of the other CICS response categories
	IOERR	120	There has been an I/O error during the file control operation
	SYSIDERR	130	The SYSID option specified a name that is neither the local nor a remote system (made known to CICS by defining a CONNECTION); or the link to the remote system is closed.
	DUPREC	150	An attempt has been made to rewrite a record to a data set whose upgrade set has an alternate index with the UNIQUEKEY attribute, if the corresponding alternate key already exists in the alternate index

RESP2 values

Command	Condition	RESP2	Meaning
ROUTE	INVREQ	4	Hours are out of range
		5	Minutes are out of range
		6	Seconds are out of range
		200	BMS commands are not supported for distributed program link
SEND	INVREQ	200	A distributed program link server application has attempted to send on its function-shipping session (its principal facility) <u>or</u> , for SEND (APPC), a distributed program link server application has specified the function-shipping session (its principal facility) on the CONVID option
SEND CONTROL	INVREQ	200	A distributed program link server application has attempted to send on its function-shipping session (its principal facility)
SEND MAP	INVREQ	200	Command is not allowed for a distributed program link server program
SEND PAGE	INVREQ	200	Command is not allowed for a distributed program link server program
SEND PARTNSET	INVREQ	200	Command is not allowed for a distributed program link server program
SEND TEXT	INVREQ	200	Command is not allowed for a distributed program link server program
SEND TEXT MAPPED	INVREQ	200	A distributed program link server application has specified the function-shipping session (its principal facility) on the CONVID option
SEND TEXT NOEDIT	INVREQ	200	Command is not allowed for a distributed program link server program

RESP2 values

Command	Condition	RESP2	Meaning
SET AUTOINSTALL	INVREQ	1	VTAM is not in use in this system
		2	The MAXREQS value is not in the range 0–999
		4	Autoinstall program DFHZATDX is not available
	NOTAUTH	100	The user associated with the issuing task is not authorized to use this command
	PGMIDERR	3	The program name is invalid
	SET CONNECTION	INVREQ	1	ACQSTATUS|CONNSTATUS was specified for a non-APPC connection
2			<ol style="list-style-type: none"> 1. ACQUIRED specified with OUTSERVICE 2. ACQUIRED specified for OUTSERVICE connection 3. OUTSERVICE specified for ACQUIRED connection
3			ACQSTATUS|CONNSTATUS has an invalid CVDA value
4			SERVSTATUS has an invalid CVDA value
5			PENDSTATUS or NOTPENDING was specified for a connection that is not APPC
6			PURGE was specified for connection that is not VTAM
7			PURGETYPE has an invalid CVDA value
8			PENDSTATUS has an invalid CVDA value
11			SET command named a remote connection
12			EXITTRACING has an invalid CVDA
13			ZCPTRACING has an invalid CVDA
14			EXITTRACING|ZCPTRACING specified for a non-VTAM connection or VTAM not initialized
16			The resource whose name was specified by CONNECTION(data-value) is an indirect link
17	ACQSTATUS|CONNSTATUS cannot be set when system initialized with ISC=NO		

RESP2 values

Command	Condition	RESP2	Meaning
		18	NOTPENDING cannot be set for a connection which has successfully completed Exchange Lognames processing
		19	CONNSTATUS cannot be set to ACQUIRED when in the FREEING state
		22	Other SET parameters were included with the CANCEL or FORCECANCEL option
		23	The resource whose name was specified by CONNECTION(name) is the local TCT system entry (TCTSE)
	SYSIDERR	9	The named connection could not be found
	IOERR	10	Unexpected error
	NORMAL	58	AIDs are successfully canceled
	NORMAL	59	No AIDs are canceled
	NOTAUTH	100	The user associated with the issuing task is not authorized to use this command
SET DSNAME	DSNNOTFOUND	1	The named data set cannot be found
		15	RECOVERED was specified, but the data set was not found
	INVREQ	2	BKOUTSTATUS has an invalid CVDA value
		3	ACTION has an invalid CVDA value
		4	The data set has not been opened during this CICS session, so BKOUTSTATUS cannot be SET
		5	NORMALBKOUT has been requested for a data set that is in a FAILINGBKOUT state
		6	FAILEDDBKOUT has been requested for a data set that is in a FAILINGBKOUT state
		7	SET DSNAME BKOUTSTATUS was attempted for a BDAM data set
		8	SET DSNAME BKOUTSTATUS was attempted for a path
		9	SET DSNAME BKOUTSTATUS was attempted for a data set that is currently referenced by an open file
		10	REMOVE was specified, but the data set is associated with a file definition

RESP2 values

Command	Condition	RESP2	Meaning
		11	REMOVE was specified, but the data set's backout status is not NORMALBKOUT
		12	REMOVE was specified with other BKOUTSTATUS
		13	REMOVE was specified but a lock was held on the data set by another INQUIRE or SET DSNAME command, or by CICS file control processing.
		14	RECOVERED was specified but CICS is not configured to support "backup while open" (BWO). Check that you have a version of MVS/DFP, DFHSM, and DFDSS that support BWO
		16	RECOVERED was specified but the data set has not been opened during this CICS session, so the BWO attributes in the ICF catalog cannot be set
		17	RECOVERED was specified for a BDAM data set, or a VSAM path. This is not supported
		18	RECOVERED was specified for a VSAM base data set that had FCTs open. This is not allowed.
		19	RECOVERED was specified for an unknown data set, or the data set was not in the 'forward recovered' state
	IOERR	20	RECOVERED was specified but an error was raised on accessing the ICF catalog. Ensure that the specified data set is on an SMS managed DASD and is known to the SMS subsystem
		21	RECOVERED was specified but an error was raised by the CICS table manager program.
	NOTAUTH	100	The user associated with the issuing task is not authorized to use this command
SET DELETSHIPED	INVREQ	1	INTERVAL value is invalid
		2	INTERVALHRS value is not in the range 0-99
		3	INTERVALMINS value is invalid
		4	INTERVALSECS value is invalid

RESP2 values

Command	Condition	RESP2	Meaning
		5	IDLE value is invalid
		6	IDLEHRS value is not in the range 0–99
		7	IDLEMINS value is invalid
		8	IDLESECS value is invalid
	NOTAUTH	100	The user associated with the issuing task is not authorized to use this command
SET DUMPDS	INVREQ	1	INITIALDDS has an invalid value
		2	SWITCHSTATUS has an invalid CVDA value
		3	OPENSTATUS has an invalid CVDA value
	IOERR	4	OPEN or SWITCH caused an 'open' error for the data set
	NOTAUTH	100	The user associated with the issuing task is not authorized to use this command
SET FILE	INVREQ	1	The named file is REMOTE
		2	The named file is not CLOSED
		3	The named file is not DISABLED
		4	ADD has an invalid CVDA value
		5	BROWSE has an invalid CVDA value
		6	BUSY has an invalid CVDA value
		7	DELETE has an invalid CVDA value
		8	DISPOSITION has an invalid CVDA value
		9	EMPTYSTATUS has an invalid CVDA value
		10	LSRPOOLID was specified for a non-VSAM data set
		11	LSRPOOLID is not in the range 1–8, or the corresponding buffer is not defined
		12	READ has an invalid CVDA value
		13	STRINGS value is not in the range 1–255, or this is not a VSAM file
		14	UPDATE has an invalid CVDA value
		15	OPEN was requested, but the data set has had a backout failure
		16	OPENSTATUS has an invalid CVDA value
		17	ENABLESTATUS has an invalid CVDA value

RESP2 values

Command	Condition	RESP2	Meaning
		19	DELETE has been specified for a non-VSAM file
		20	EMPTYSTATUS has been specified for a non-VSAM file
		21	CLOSED or DISABLED has been specified, but this transaction has an incomplete request against the file
		22	ENABLED was specified for a file that is currently DISABLING or UNENABLING
		23	EXCLUSIVE has an invalid CVDA value
		24	EXCLUSIVE has been specified for a non-BDAM file.
		28	OPEN, CLOSE, ENABLE or DISABLE has been specified but an exit program running at exit point XFCSREQ instructed CICS not to carry out the command
		29	TABLE has an invalid CVDA value
		30	MAXNUMREQS value is out of range
		31	The TABLE option is invalid for a BDAM file (must be VSAM for a data table.)
		32	The TABLE option is not valid for a file defined with the REUSE option
		33	The TABLE option is invalid for a file defined as UNBLOCKED
		34	The MAXNUMRECS option is invalid for a BDAM file (must be VSAM for a data table.)
		35	The MAXNUMRECS option is invalid for a file defined with the REUSE option
		36	The MAXNUMRECS option is invalid for a file defined as UNBLOCKED
		37	The TABLE option is invalid when LSRPOOL=0 is specified
		38	The TABLE option is invalid when MAXNUMRECS=0 is specified
		39	The USERTABLE option is invalid when record format is not variable
	FILENOTFOUND	18	The named file cannot be found
	NOTAUTH	100	The user associated with the issuing task is not authorized to use this command

RESP2 values

Command	Condition	RESP2	Meaning
		101	The access that you have requested to this file is not authorized
	IOERR	*	OPEN has failed in VSAM, and the RESP2 field contains a VSAM response code
		*	CLOSE has failed in VSAM, and the RESP2 field contains a VSAM response code
SET IRC	INVREQ	1	Program DFHCRSP is not available
		2	OPENSTATUS has an invalid CVDA value
		3	TCP generated without ACCMETH=IRC
		4	ISC=NO has been specified on DFHSIT
		5	No connection has been defined
		6	CICS applid is blanks
		7	Duplicate CICS name
		8	Maximum logons to IRC reached
		16	Unable to locate DFHSCTE program
		18	DFHIRP services are down-level
	NOSTG	9	No CICS storage
		10	SVC block GETMAIN fail
		11	SUBSYS block GETMAIN fail
	IOERR	12	Initialization STAE fail
		13	General failure to log on to IRC access method
		14	Unable to attach CSNC
		15	An error occurred when closing IRC
	NOTAUTH	100	The user associated with the issuing task is not authorized to use this command
SET JOURNALNUM	JIDERR	1	The named journal cannot be found
	INVREQ	2	OPENSTATUS has an invalid CVDA value
		3	OPENSTATUS value is not valid for this type of journal
	IOERR	4	Journal has an associated volume which cannot be found
		5	An error has occurred in the device, the medium, or the access method
		7	Journal archiving control data set (JACD) error

RESP2 values

Command	Condition	RESP2	Meaning
		8	Journal archiving control data set (JACD) logic error
	ILLOGIC	6	ADVANCE specified for a journal that is not open
	NOTAUTH	100	The user associated with the issuing task is not authorized to use this command
		101	The access you have requested to this journal is not authorized
SET MODENAME	SYSIDERR	1	The named connection could not be found
		2	The modename within the connection could not be found
	INVREQ	3	The reserved modename 'SNASVCMG' was specified
		4	AVAILABLE value is not in the range 0-MAXIMUM
		5	CICS is not in session with the named connection
		6	CLOSED was specified with AVAILABLE
		7	ACQSTATUS has an invalid CVDA value
		8	SET MODENAME command not allowed on a single session
		9	ACQUIRED but parallel sessions and CONNECTION not in session
	NOTAUTH	100	The user associated with the issuing task is not authorized to use this command
SET MONITOR	INVREQ	1	STATUS has an invalid CVDA value
		2	PERFCLASS has an invalid CVDA value
		3	EXCEPTCLASS has an invalid CVDA value
		4	EVENTCLASS has an invalid CVDA value
		5	CONVERSEST has an invalid CVDA value
		6	SYNCPOINTST has an invalid CVDA value
		7	FREQUENCY has an invalid value <ul style="list-style-type: none"> • Hours ≤ 24, Mins ≤ 59, Secs ≤ 59 and (≥ 001500 ≤ 240000) • All 3 fields together, ie 235959 is valid but 240001 is not

RESP2 values

Command	Condition	RESP2	Meaning
		8	Invalid Hours (00-24)
		9	Invalid Minutes (00-59)
		10	Invalid Seconds (00-59)
	NOTAUTH	100	The user associated with the issuing task is not authorized to use this command
SET NETNAME	INVREQ	27	EXITTRACING has an invalid CVDA value
		29	EXITTRACING is specified for a non-VTAM terminal
	NOTAUTH	100	The user associated with the issuing task is not authorized to use this command
SET PROGRAM	INVREQ	1	DISABLED or DPLSUBSET was specified for a program beginning 'DFH'
		2	STATUS has an invalid CVDA value
		3	NEWCOPY was specified and RESCOUNT is not equal to zero
		4	SHARESTATUS has an invalid CVDA value
		5	COPY has an invalid CVDA value
		6	COPY was specified for a program currently loaded with the HOLD option
		9	CEDFSTATUS has an invalid CVDA value
		17	You have specified an invalid option for a remote program You cannot specify any of the following for a remote program: CEDFSTATUS (or CEDF or NOCEDF) COPY (or NEWCOPY or PHASEIN) EXECUTIONSET (or DPLSUBSET or FULLAPI) SHARESTATUS (or PRIVATE or SHARED)
		18	You have specified an invalid option for a map set. You cannot specify the following for a map set: EXECUTIONSET (or DPLSUBSET or FULLAPI) CEDFSTATUS (or CEDF or NOCEDF)

RESP2 values

Command	Condition	RESP2	Meaning
		19	You have specified an invalid option for a partitionset. You cannot specify the following for a partitionset: EXECUTIONSET (or DPLSUBSET or FULLAPI) CEDFSTATUS (or CEDF or NOCEDF)
	PGMIDERR	20	The CVDA value for the EXECUTIONSET option is invalid
		7	The named program cannot be found
	IOERR	8	NEWCOPY was specified and the load process failed. This is either because the program has not been included in the library concatenation or because the link edit failed
		100	The user associated with the issuing task is not authorized to use this command
	NOTAUTH	101	The access you have requested to this program is not authorized
SET STATISTICS	INVREQ	1	INTERVAL value is not in the range 000100–240000
		2	ENDOFDAY value is not in the range 000000–235959
		3	RECORDING has an invalid CVDA value
		4	INTERVALHRS value is not in the range 01–24
		5	INTERVALMINS value is not in the range 01–1440
		6	INTERVALSECS value is not in the range 60–86400
		7	More than one of the interval values has been used and the combination either exceeds 24 hours or is less than 1 minute
		8	ENDOFDAYHRS value is not in the range 00–23
		9	ENDOFDAYMINS value is not in the range 00–59
		10	ENDOFDAYSECS value is not in the range 00–59
		11	RESETNOW or RECORDNOW has been specified, but the recording state has not been changed

RESP2 values

Command	Condition	RESP2	Meaning
	NOTAUTH	100	The user associated with the issuing task is not authorized to use this command
SET SYSDUMPCODE	NOTFND	1	The named dumpcode cannot be found
	INVREQ	2	ACTION has an invalid CVDA value
		4	SYSDUMPING has an invalid CVDA value
		5	MAXIMUM value is not in the range 0–999
		6	SHUTOPTION has an invalid CVDA value
		7	REMOVE specified with other options
		8	Both MAXIMUM and SHUTDOWN specified
		9	Dumpcode is invalid
	DUPREC	10	ADD specified for a dumpcode that already exists
	IOERR	11	An error occurred writing the record to the CICS catalog
	NOSPACE	12	CICS catalog full
	NOTAUTH	100	The user associated with the issuing task is not authorized to use this command
SET SYSTEM	INVREQ	1	MAXTASKS is not in the range 32–999
		3	AKP is not in the range 200–65535
		5	TIME is not in the range 100–3600000
		6	RUNAWAY is not in the range 500–2700000
		7	MROBATCH is not in the range 1–255
		9	DUMPING has an invalid CVDA value
		12	AKP specified, but no keypointing in the system
		13	TIME is less than SCANDELAY
		14	PRTYAGING is not in the range 0–65535
		15	SCANDELAY is not in the range 0–5000
		20	DSALIMIT is not in the range 2MB to 16MB
		21	EDSALIMIT is not in the range 10MB to 2GB

RESP2 values

Command	Condition	RESP2	Meaning
		22	There is insufficient MVS storage to allocate the specified DSALIMIT
		23	There is insufficient MVS storage to allocate the specified EDSALIMIT
		20	The length of GMMTEXT is greater than 246 or less than zero
		16	MAXTASKS ceiling was reached during execution of a SET SYSTEM MAXTASKS command. The actual value of MAXTASKS is returned in the NEWMAXTASKS option
		100	The user associated with the issuing task is not authorized to use this command
SET TASK	TASKIDERR	1	The named task cannot be found
		2	The named task is CICS-protected; that is, it is a CICS-supplied transaction that is normally invoked from within CICS and not by an operator.
	INVREQ	3	PURGETYPE has an invalid CVDA value
		4	PRIORITY is not in the range 0–255
		5	The task is not in a valid state for purging
	NORMAL	13	The PURGE request has been accepted but deferred
NOTAUTH	100	The user associated with the issuing task is not authorized to use this command	
SET TCLASS	TCIDERR	1	The named task class cannot be found
	INVREQ	2	The MAXIMUM value is not in the range 0–999
	NOTAUTH	100	The user associated with the issuing task is not authorized to use this command
SET TDQUEUE	QIDERR	1	The named queue cannot be found
	INVREQ	2	TRIGGERLEVEL was specified for an extrapartition queue
		3	TRIGGERLEVEL value is not in the range 0–32767
		4	ATITERMID was specified for an extrapartition queue

RESP2 values

Command	Condition	RESP2	Meaning
		5	ATITRANID was specified for an extrapartition queue
		6	ATIFACILITY was specified for an extrapartition queue
		7	ATIFACILITY was specified with an invalid CVDA value
		8	OPENSTATUS was specified with an invalid CVDA value
		9	OPENSTATUS was specified for an intrapartition queue
		10	ENABLESTATUS was specified with an invalid CVDA value
		11	DISABLED was specified for a queue beginning with "C"
		12	The named queue is remote
		13	The named queue is indirect
		15	OPEN or CLOSED specified for a DISABLED queue
		16	OPEN or CLOSED specified, but the DDNAME was not found in SDSCI entry
		19	ATIUSERID was specified for an extrapartition queue
		20	The CICS external security manager interface is not initialized
		21	CICS has received an unknown response from the ESM
		22	The ESM is not responding
	IOERR	14	An error occurred opening or closing the queue, which could have been caused by a missing DD name on the JCL
		17	The queue cannot be closed because it is full
	NOTAUTH	23	The specified userid is found to be not authorized during SECLABEL processing by the external security manager. For information about security labels, see the <i>CICS for MVS/ESA CICS-RACF Security Guide</i>
		24	The userid that you have specified has been revoked

RESP2 values

Command	Condition	RESP2	Meaning
SET TERMINAL	USERIDERR INVREQ	25	During SECLABEL processing by the external security manager, an error occurred. For information about security labels, see the <i>Resource Access Control Facility (RACF) Security Administrator's Guide</i>
		27	The userid's access to the current group has been revoked
		100	The user associated with the issuing task is not authorized to use this command
		101	The access that you have requested to this queue is not authorized
		102	The user of the transaction issuing the SET TDQUEUE command is not an authorized surrogate for the userid specified in ATIUSERID
		28	The specified userid is not known to the external security manager
		1	TERMSTATUS or ACQSTATUS was specified for IRC sessions or non-VTAM terminal
		2	TERMSTATUS or ACQSTATUS has an invalid CVDA value
		4	ATISTATUS has an invalid CVDA value
		5	ATISTATUS change would result in NOATI and NOTTI
		6	CREATESESS was specified for non-VTAM terminal
		7	CREATESESS has an invalid CVDA value
		9	PAGESTATUS has an invalid CVDA value
		11	Trying to put the issuing terminal OUTSERVICE
		13	SERVSTATUS has an invalid CVDA value
15	TERMPRIORITY value not in range 0–255		
17	NOTTI cannot be specified for the issuing terminal		
18	TTISTATUS has an invalid CVDA value		
21	PURGETYPE has an invalid CVDA value		

RESP2 values

Command	Condition	RESP2	Meaning
		22	TRACING has an invalid CVDA value
		24	Invalid option requested for a remote terminal
		25	ACQUIRED specified, but terminal is not inservice
		26	PURGE specified, but target task has SPURGE=NO on its associated transaction definition
		27	EXITTRACING has an invalid CVDA value
		28	ZCPTRACING has an invalid CVDA value
		29	EXITTRACING or ZCPTRACING specified for non-VTAM terminal (or VTAM not installed)
		31	This is a remote terminal with no associated surrogate
		33	SET TERMINAL is not valid for an LU6.2 (APPC) session
		34	A permanent transaction has been defined for this terminal (TRANSACTION operand in TERMINAL definition)
		35	Attempt made to change TCAM CONTROL on non-TCAM terminal
		36	Invalid value supplied for TCAM CONTROL
		37	Preset signon failed, terminal remains OUTSERVICE
		38	OBFORMATST has an invalid CVDA value
		39	RELREQST has an invalid CVDA value
		40	DISCREQST has an invalid CVDA value
		41	ALTPRTOCOPYST has an invalid CVDA value
		42	PRTCOPYST has an invalid CVDA value
		43	UCTRANST has an invalid CVDA value
		44	Options would result in the invalid combination of the alternate printer copy status being set without an alternate printer defined

RESP2 values

Command	Condition	RESP2	Meaning	
+	NORMAL	45	Options would result in the invalid combination of the alternate printer being defined without a primary printer defined	
		46	OBFORMATST is specified for a console or 3790	
		48	Options would result in the invalid combination of the printer copy status being set without a primary printer defined	
		50	VTAM not available for VTAM terminal	
		51	PRINTER and ALTPRINTER option specified for a non-3270 terminal	
		52	PRTCOPYST of ALTPRTCOPST option specified for a non-3270 terminal	
		54	Option other than PURGETYPE specified for IRC session	
		57	Other SET parameters were included with the CANCEL option	
		60	Terminal not supported by BMS	
		53	Purge deferred	
		58	AIDs are successfully canceled	
		59	No AIDs are canceled	
		TERMIDERR	23	The named terminal cannot be found
		NOTAUTH	100	The user associated with the issuing task is not authorized to use this command
SET TRACEDEST	INVREQ	1	INSTATUS has an invalid CVDA value	
		2	A TABLESIZE value of < -1 has been specified	
		3	AUXSTATUS has an invalid CVDA value	
		4	SWITCHSTATUS has an invalid CVDA value	
		5	GTFSTATUS has an invalid CVDA value	
		6	AUXPAUSE was specified, but auxiliary tracing was already stopped	
		11	SWITCHACTION has an invalid CVDA value	
		IOERR	10	A SWITCH request or a SET AUXSTART request resulted in an "open" error for the trace data set

RESP2 values

Command	Condition	RESP2	Meaning
	NOSPACE	7	There is insufficient space for a new trace table
	NOSTG	8	There is insufficient space for an AUXTRACE buffer
		9	There is insufficient space for a GTF trace buffer
	NOTAUTH	100	The user associated with the issuing task is not authorized to use this command
SET TRACEFLAG	INVREQ	1	SYSTEMSTATUS has an invalid CVDA value
		2	USERSTATUS has an invalid CVDA value
		3	SINGLESTATUS has an invalid CVDA value
		4	TCEXITSTATUS has an invalid CVDA value
		5	TCEXITSTATUS specified but no VTAM installed
	NOTAUTH	100	The user associated with the issuing task is not authorized to use this command
SET TRACETYPE	NOTFND	1	At least one CICS component was not accessible
	NOTAUTH	100	The user associated with the issuing task is not authorized to use this command
SET TRANCLASS	INVREQ	2	The MAXACTIVE value is not in the range 0–999
		3	The PURGETHRESH value is not in the range 0–1000000
	NOTAUTH	101	The use of this command is not authorized
	TCIDERR	1	The named tranclass cannot be found
SET TRANDUMPCODE	NOTFND	1	The named dump code cannot be found
	INVREQ	2	ACTION has an invalid CVDA value
		3	TRANDUMPING has an invalid CVDA value
		4	SYSDUMPING has an invalid CVDA value
		5	MAXIMUM value is not in the range 0–999

RESP2 values

Command	Condition	RESP2	Meaning
		6	SHUTOPTION has an invalid CVDA value
		7	REMOVE was specified with other options
		8	Both MAXIMUM and SHUTDOWN specified
		9	Dump code is invalid
	DUPREC	10	ADD specified for an existing dump code
	IOERR	11	Error writing the record to the CICS catalog
	NOSPACE	12	CICS catalog is full
	NOTAUTH	100	The user associated with the issuing task is not authorized to use this command
SET TRANSACTION	TRANSIDERR	1	The named transaction cannot be found
	INVREQ	2	PURGEABILITY has an invalid CVDA value
		3	STATUS has an invalid CVDA value
		4	Attempt to disable a CICS-supplied transaction
		5	TCLASS or TRANCLASS name is not known
		7	Tracing has an invalid CVDA value
		8	DUMPING has an invalid CVDA value
		9	PRIORITY value is not in the range 1–255
		10	RUNAWAYTYPE has an invalid CVDA value
		11	SHUTDOWN has an invalid CVDA value
		12	SET RUNAWAYTYPE(USER) has been specified but no value for RUNAWAY has been specified
		13	SET RUNAWAY has been used but the RUNAWAYTYPE is not USER
		14	SET RUNAWAY value is greater than 2700000 or less than -1 (-1 means ignore)
	NOTAUTH	100	The user associated with the issuing task is not authorized to use this command
		101	The access requested to this transaction is not authorized

RESP2 values

Command	Condition	RESP2	Meaning
SET VOLUME	VOLIDERR	1	The named volume cannot be found
		2	The named journal cannot be found
		3	AVAILSTATUS has an invalid CVDA value
		4	ACTION has an invalid CVDA value
		5	ADD specified with no JOURNALNUM
		6	ADD specified, but the volume is already in a journal series
		7	REMOVE specified, but the volume is not closed
		8	NOWRITE specified, but volume is either not closed or is empty
		9	Add specified, but journal is not defined as a tape
		10	Add specified, but journal is not defined to use standard label tapes
	NOTAUTH	100	The user associated with the issuing task is not authorized to use this command
		101	The access requested to this journal is not authorized
SET VTAM	INVREQ	1	VTAM is not present in the system
		2	OPENSTATUS has an invalid CVDA value
		4	PSDINTERVAL value is not in the range 000000–235959
		5	PSDINTHRS value is not in the range 0–23
		6	PSDINTMINS is not in the range 0–59
		7	PSDINTSECS is not in the range 0–59
		8	Attempted to set PSDINTERVAL > 0 in an XRF-capable system
		9	An error occurred during attempt to set persistent session delay interval

RESP2 values

Command	Condition	RESP2	Meaning
		10	<p>Attempted to set PSDINTERVAL > 0, but using a TCT generated against, or running with, a level of VTAM not capable of persistence. The ACB has been OPENED successfully, and the PSDINTERVAL will have been reset to 0. Either of the following happens:</p> <ul style="list-style-type: none"> • The command specified PSDINTERVAL > 0 • The command specified PSDINTHRS and/or PSDINTMINS and/or PSDINTSECS as > 0 • An earlier command specified one of the above as > 0 whilst the ACB was closed/being closed
		11	<p>The ACB has opened successfully, but in attempting to unbind sessions that persisted, an error occurred. CICS saves the interval value to pass to VTAM on the next successful OPEN ACB</p>
		12	<p>The ACB has been closed whilst this command was being processed. CICS saves the interval value to pass to VTAM on the next successful OPEN ACB</p>
		13	<p>An error occurred during recovery of sessions, and the VTAM ACB will subsequently have been closed. CICS saves the interval value to pass to VTAM on the next successful OPEN ACB</p>
		14	<p>The command to open the ACB was issued while CICS was still performing cleanup processing following a previous predatory takeover. No call to VTAM was made. Attempts to open the ACB are rejected with this error until the cleanup processing is complete. The command may then be reissued and should work as normal</p>

RESP2 values

Command	Condition	RESP2	Meaning
	IOERR	3	An error occurred during the opening of the ACB. CICS saves the interval value to pass to VTAM in the next successful OPEN ACB
		- 3	An error occurred during the opening of the ACB. The RESP2 value is the contents of register 15 arising from the error, or the FDBK2 value from VTAM. CICS saves the interval value to pass to VTAM in the next successful OPEN ACB
		100	The user associated with the issuing task is not authorized to use this command
	NOTAUTH	Other	VTAM reference for open/close errors. See <i>VTAM Programming</i> , SC23-0115 for further details
		1	No user is currently signed on
		2	There is no terminal with this task
SIGNOFF	INVREQ	3	This task's terminal has preset security
		4	Signoff is attempted using transaction routing without using the CRTE transaction
		18	The CICS ESM interface not initialized
		200	Command not allowed for a distributed program link server program
		3	A new password is required
		4	The new password is not acceptable
SIGNON	NOTAUTH	5	An OIDCARD is required
		6	The supplied OIDCARD is wrong
		16	The USERID is not authorized to use this terminal
		17	The USERID is not authorized to use the application
		19	The USERID is revoked
		20	The USERID's access to the specified group has been revoked
		21	The signon failed during SECLABEL checking
		1	A password is required
		2	The supplied password is wrong
		3	A new password is required

RESP2 values

Command	Condition	RESP2	Meaning
		22	The signon failed because ESM is not currently accepting signons
		23	The GROUPID is not known to the ESM
		24	The USERID is not contained in the GROUPID
	INVREQ	9	The terminal already signed on
		10	No terminal associated with this task
		11	This task's terminal has preset security
		12	The response from CICS security modules is unrecognized
		13	There is an unknown return code in ESMRESP from the external security manager
		14	The required national language is not available
		15	Signon attempted via transaction routing without using the CRTE transaction
		18	The CICS ESM interface is not initialized
		25	The terminal is of an invalid type
+		26	Signon failed because of MVS ENQ error during SNSCOPE processing
+		28	The required national language is invalid
		29	The user is already signed on. This relates to the signon scope checking
		200	Command not allowed for a distributed program link server program
	USERIDERR	8	The USERID is not known to external security manager
		30	The USERID is all blanks or nulls
SPOOLCLOSE	INVREQ	4	Unsupported language
		8	Unsupported function
		40	Subsystem interface already enabled
			Note: Errors 1024 and over are internal and should not occur. If one of these error codes is returned, contact your IBM support center.
	NOSPOOL	4	No subsystem present

RESP2 values

Command	Condition	RESP2	Meaning
		8	Interface being disabled; CICS is quiescing
		12	Interface has been stopped
	NOTOPEN	8	Dataset has not been opened
	NOTFND	1024	Input or output function has been corrupted, and SPOOLCLOSE could not complete
SPOOLOPEN INPUT	ILLOGIC	3	Invalid CLASS value specified
	INVREQ	4	Unsupported language
		8	Unsupported function
		16	USERID missing
		36	INPUT|OUTPUT missing
		40	Subsystem interface already enabled
			Note: Errors 1024 and over are internal and should not occur. If one of these error codes is returned, contact your IBM support center.
	NOSPOOL	4	No subsystem present
		8	Interface being disabled; CICS is quiescing
		12	Interface has been stopped
	NOTFND	4	No data sets could be located for retrieval for the specified external writer name
		1024	Input or output function has been corrupted, and SPOOLCLOSE could not complete
	NOTOPEN	8	Data set has not been opened or a task which has not issued the SPOOLOPEN for a spool data set has attempted to access it.
		1024	Subtask OPEN macro failure
	OPENERR	4	A VSAM SHOWCB macro failed to return the lengths of the VSAM control blocks used to access the JES spool file.
	SPOLBUSY	4	Interface already in use by another task
		8	Interface already in use by current task
SPOOLOPEN OUTPUT	ILLOGIC	3	Invalid CLASS value specified
	INVREQ	4	Unsupported language
		8	Unsupported function
		16	USERID missing

RESP2 values

Command	Condition	RESP2	Meaning
		20	NODE missing
		36	INPUT|OUTPUT missing
		40	Subsystem interface already enabled
			Note: Errors 1024 and over are internal and should not occur. If one of these error codes is returned contact your IBM support center.
		44	Error in the OUTDESCR string
		48	OUTDESCR specified but function not available (wrong level of MVS or JES)
		52	OUTDESCR specified but bad pointer found on keyword or in OUTDESCR condition
	NOSPOOL	4	No subsystem present
		8	Interface being disabled; CICS is quiescing
		12	Interface has been stopped
	NOTFND	4	No data sets could be located for retrieval for the specified external writer name
	NOTOPEN	8	Data set has not been opened
		1024	Subtask OPEN macro failure
	OPENERR	4	A VSAM SHOWCB macro failed to return the lengths of the VSAM control blocks used to access the JES spool file.
	SPOOLBUSY	4	Interface already in use by another task
		8	Interface already in use by current task
SPOOLREAD	ILLOGIC	3	Invalid CLASS value specified
	INVREQ	4	Unsupported language
		8	Unsupported function
		12	Read attempt after end of file
		24	INTO missing
		40	Subsystem interface already enabled.
			Note: Errors 1024 and over are internal, and should not occur. If one of these error codes is returned, contact your IBM support center.
	NOSPOOL	4	No subsystem present
		8	Interface being disabled; CICS is quiescing

RESP2 values

Command	Condition	RESP2	Meaning
		12	Interface has been stopped
	NOTFND	4	No data sets could be located for retrieval for the specified external writer name
	NOTOPEN	8	Data set has not been opened
		12	Attempt to read an output file
		1024	Subtask OPEN macro failure
	SPOLBUSY	4	Interface already in use by another task
		8	Interface already in use by current task
SPOOLWRITE	INVREQ	4	Unsupported language
		8	Unsupported function
		28	FROM missing
		40	Subsystem interface already enabled.
			Note: Errors 1024 and over are internal, and should not occur. If one of these error codes is returned, contact your IBM support center.
	NOSPOOL	4	No subsystem present
		8	Interface being disabled; CICS is quiescing
		12	Interface has been stopped
	NOTOPEN	8	Spool report has not been opened
		16	Attempt to write an input file
		1024	Subtask OPEN macro failure
	SPOLBUSY	4	Interface already in use by another task
		8	Interface already in use by current task
START	INVREQ	4	Hours are out of range
		5	Minutes are out of range
		6	Seconds are out of range
		11	An attempt was made to ship a START request with the ATTACH option
		12	A START request with the ATTACH option has failed
			Note: RESP2 values of 4, 5 and 6 are valid only if issuing AT or AFTER options. When specifying INTERVAL, only EIBRESP is passed with a value of X'10' - no RESP2 value is passed in this case

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RESP2 values

Command	Condition	RESP2	Meaning
		18	A USERID was specified and the CICS external security manager interface is not initialized
	NOTAUTH	7	A resource security check has failed on TRANSID(name)
		9	A surrogate user security check has failed on USERID(name)
	USERIDERR	8	The specified USERID is not known to the external security manager
		10	The external security manager is in a state such that CICS cannot determine whether a specified USERID is valid
STARTBR	FILENOTFOUND	1	A file name referred to in the FILE option cannot be found in the FCT and SYSID has not been specified
	INVREQ	20	Browse operations are not allowed according to the file entry specification in the FCT
		25	The KEYLENGTH and GENERIC options are specified, and the length defined for the data set to which this file specified in the KEYLENGTH option is greater than or equal to the length of a full key
		26	The KEYLENGTH option is specified (but the GENERIC option is not specified), and the specified length does not equal the length defined for the data set to which this file refers
		33	An attempt has been made to start a browse with a REQID already in use for another browse
		42	The KEYLENGTH and GENERIC options are specified, and the length specified in the KEYLENGTH option is less than zero
		44	The specified file is a user-maintained data table
	DISABLED	50	File is disabled
	NOTOPEN	60	The requested file is CLOSED and UNENABLED <u>or</u> the requested file is OPEN and in use by other transactions, but a CLOSE request against it has been received

RESP2 values

Command	Condition	RESP2	Meaning
	ISCINVREQ	70	The remote system indicated a failure that does not correspond to a known condition
	NOTFND	80	An attempt to position on a record based on the search argument provided was unsuccessful
	NOTAUTH	101	A resource security check has failed on FILE(filename)
	LOADING	104	A STARTBR was issued to a user-maintained data table that is currently being loaded
	ILLOGIC	110	A VSAM error has occurred which does not fall within one of the other CICS response categories
	IOERR	120	There has been an I/O error during the file control operation
	SYSIDERR	130	The SYSID option specified a name that is neither the local nor a remote system (made known to CICS by defining a CONNECTION); <u>or</u> the link to the remote system is closed.
SYNCPOINT	INVREQ	200	SYNCPOINT was in a program that is linked to from a remote system that has not specified the SYNCONRETURN option, or it was linked to locally and is defined with EXECUTIONSET=DPLSUBSET
SYNCPOINT ROLLBACK	INVREQ	200	SYNCPOINT ROLLBACK was in a program that is linked to from a remote system that has not specified the SYNCONRETURN option, or it was linked to locally and is defined with EXECUTIONSET=DPLSUBSET
UNLOCK	FILENOTFOUND	1	The file name referred to in the FILE option cannot be found in the FCT and SYSID has not been specified
	INVREQ	47	An unlock included a token whose value cannot be matched against any token in use for an existing READ for UPDATE request
		48	An attempt was made to function-ship a request which included a TOKEN keyword
	DISABLED	50	A file is disabled

RESP2 values

Command	Condition	RESP2	Meaning
	NOTOPEN	60	The requested file is CLOSED and UNENABLED <u>or</u> the requested file is OPEN and in use by other transactions, but a close request against it has been received
	ISCVREQ	70	The remote system indicated a failure that does not correspond to a known condition
	NOTAUTH	101	A resource security check has failed on FILE(filename)
	ILLOGIC (VSAM and CICS-maintained data tables)	110	A VSAM error has occurred which does not fall within one of the other CICS response categories
	IOERR	120	There has been an I/O error during the file control operation
	SYSIDERR	130	The SYSID option specified a name that is neither the local nor a remote system (made known to CICS by defining a CONNECTION); <u>or</u> the link to the remote system is closed.
VERIFY PASSWORD	NOTAUTH	2	The supplied password is wrong
		3	A new password is required
		19	The USERID is revoked
	USERIDERR	8	The USERID is not known to the external security manager
		13	There is an unknown return code in ESMRESP from the external security manager
	INVREQ	18	The CICS external security manager interface is not initialized
		29	The external security manager is not responding
+		32	The USERID field contains a blank character in an invalid position
WAIT CONVID	INVREQ	200	Command not supported for distributed program link when it refers to the principal facility
WAIT EVENT	INVREQ	2	The value of the pointer is zero (X'00000000')
		3	The specified event control area address is above the 16MB line for programs executing in 24-bit mode

RESP2 values

Command	Condition	RESP2	Meaning
		4	The event control area address is not aligned on a fullword boundary
		6	The timer-event control area specified on a WAIT EVENT is in use-key task-lifetime storage, and is inaccessible to another transaction. This condition can only occur if the storage for the timer-event control area is obtained other than by an EXEC CICS POST command, and is for posting as an ECB by some other task on completion of an event
WAIT EXTERNAL	INVREQ	1	An ECB is not valid, for example the ECB is not fullword aligned
		2	An ECB is already being waited on
		3	NUMEVENTS is not a positive number
		4	PURGEABILITY is specified with an incorrect CVDA
		5	No valid ECBs have been found in the list because either the WAITLIST address is not valid or all the ECB addresses are not valid
WAIT TERMINAL	INVREQ	200	A distributed program link server application specified the function-shipping session (its principal facility) on the CONVID option
WAITCICS	INVREQ	1	An ECB is not valid, for example the ECB is not fullword aligned
		3	NUMEVENTS is not a positive number
		4	PURGEABILITY is specified with an incorrect CVDA
		5	No valid ECBs have been found in the list, because either the WAITLIST address is not valid, or all the ECB addresses are not valid
WRITE	FILENOTFOUND	1	The file name referred to in the FILE option cannot be found in the FCT
	LENGERR	10	LENGTH is omitted for a WRITE to a file with variable-length records or to a BDAM file with undefined-format records

RESP2 values

Command	Condition	RESP2	Meaning
		12	The length specified for the write operation exceeds the maximum record size; the record is truncated
		14	An incorrect length is specified for a write operation involving fixed-length records
	INVREQ	20	Add operations are not allowed according to the file entry specification in the FCT
		23	When writing records containing embedded keys, the key in the record area (FROM option) and the key in RIDFLD do not match
		26	The KEYLENGTH option is specified, and the specified length does not equal the length defined for the data set to which this file refers to
		38	A WRITE with the MASSINSERT option has been issued against a BDAM file
		40	A BDAM key conversion error has occurred
		44	The WRITE command does not conform to the format of WRITE for a user-maintained data table
	DISABLED	50	A file is disabled
	NOTOPEN	60	The requested file is CLOSED and UNENABLED <u>or</u> the requested file is OPEN and in use by other transactions, but a CLOSE request against it has been received
	ISCINVREQ	70	The remote system indicated a failure that does not correspond to a known condition
	NOSPACE	100	No space is available on the direct access device for adding records to a data set
		102	The maximum number of table entries specified for the user-maintained table has already been reached
		103	CICS is unable to get sufficient storage in the CICS address space to create an in-memory table entry for the record being written
	NOTAUTH	101	A resource security check has failed on FILE(filename)

RESP2 values

Command	Condition	RESP2	Meaning
	LOADING	104	A WRITE is issued to a user-maintained data table that is currently being loaded
	SUPPRESSED	105	A user exit program that is invoked at the XDTAD exit point decides not to add the record to the user-maintained data table
	ILLOGIC	110	A VSAM error has occurred that does not fall within one of the other CICS response categories
	IOERR	120	There has been an I/O error during the file control operation <u>or</u> you are trying to write to a BDAM track address that is not defined for a data set
	SYSIDERR	130	The SYSID option specified a name that is neither the local nor a remote system (made known to CICS by defining a CONNECTION); <u>or</u> the link to the remote system is closed.
	DUPREC	150	An attempt has been made to add a record to a data set, by referring to a file, or a path over a file (with the UNIQUEKEY attribute), in which the same key already exists
WRITE OPERATOR	INVREQ	1	The TEXTLENGTH value is not valid
		2	The NUMROUTES value is not valid
		3	A ROUTECODE value is not valid
		4	The MAXLENGTH value is not valid
		5	The TIMEOUT value is not valid
	EXPIRED	6	The ACTION value is not valid
		7	TIMEOUT has occurred before the operator's reply was received
	LENGERR	8	The reply was longer than MAXLENGTH, and has been truncated
XCTL	PGMIDERR	1	A program has no entry in the PPT and either program autoinstall was switched off, or the program autoinstall control program indicated that the program should not be autoinstalled
		2	A program is disabled

RESP2 values

Command	Condition	RESP2	Meaning
		3	A program cannot be loaded because this was the first load of the program and the program load failed <u>or</u> this was a subsequent load of the program, but the first load failed In order to reset the load status the load module must be in the DFHRPL concatenation, and a SET PROGRAM NEWCOPY will be required
		9	The installed program definition is for a remote program
		21	The program autoinstall control program failed either because the program autoinstall control program is incorrect, incorrectly defined, or as a result of an abend in the program autoinstall control program. Program autoinstall is disabled and message DFHPG0202 or DFHPG0203 is written to the CSPL
		22	The model returned by the program autoinstall control program was not defined in the PPT table, or was not enabled
		23	The program autoinstall control program returned invalid data
		24	Define for the program failed due to autoinstall returning an invalid program name or definition
	INVREQ	8	An XCTL command with the INPUTMSG option was issued for a program that is not associated with a terminal, or that is associated with an APPC logical unit, or an IRC session
		29	EXEC XCTL is not allowed in a GLUE or TRUE
		30	The program manager domain has not yet been initialized
		200	An XCTL command with the INPUTMSG option has been issued in a program invoked by DPL
	LENGERR	11	LENGTH is less than 0 or greater than 32763

RESP2 values

Command	Condition	RESP2	Meaning
		26	The COMMAREA address passed was zero, but LENGTH was non zero
		27	INPUTMSGLEN was less than 0 or greater than 32767
		28	LENGTH is greater than the length of the data area specified in the COMMAREA option, and while that data was being copied a destructive overlap occurred because of the incorrect length
	NOTAUTH	101	A resource security check has failed on PROGRAM(name)

Chapter 8. EXEC interface block (EIB) response and function codes

This chapter contains General-use Programming Interface information.

Response codes of EXEC CICS commands

After the execution of an EXEC CICS command, fields EIBRESP and EIBRCODE are set to indicate whether the command executed successfully, or whether a CICS condition was raised.

Each possible value of EIBRESP relates directly to a specific condition, no matter which command caused the condition to be raised. This is not true for EIBRCODE values: both the value and the byte of EIBRCODE in which it is set depend on which command was issued.

The following sections list the conditions that are applicable to the EXEC CICS commands described in this book, their corresponding RESP values (decimal), the associated EIBRCODE values (hexadecimal), and the transaction abend codes (if any).

EXEC CICS DISCARD, INQUIRE, PERFORM, and SET commands

The first word of EIBRCODE for these commands is always set equal to the hexadecimal equivalent of the RESP value; the remaining bytes are set to X'00'.

Condition	RESP Value	EIBRCODE (Byte 3)	Abend code
DSNNOTFOUND	93	5D	AEX1
DUPREC	14	0E	AEIN
END	83	53	AEXK
FILENOTFOUND	12	0C	AEIL
ILLOGIC	21	15	AEIU
INVREQ	16	10	AEIP
IOERR	17	11	AEIQ
JIDERR	43	2B	AEYG
LENGERR	22	16	AEIV
MODELIDERR	95	5F	AEX3
NOSPACE	18	12	AEIR
NOSTG	42	2A	-
NOTAUTH	70	46	AEY7
NOTFND	13	0D	AEIM
PARTNERIDERR	97	61	AEX5
PGMIDERR	27	1B	AEI0

EIB codes

Condition	RESP Value	EIBRCODE (Byte 3)	Abend code
PROFILEIDERR	98	62	AEX6
QIDERR	44	2C	AEYH
SYSBUSY	59	3B	-
SYSIDERR	53	35	AEYQ
TASKIDERR	91	5B	AEXX
TCIDERR	92	5C	AEX0
TERMIDERR	11	0B	AEIK
TRANSIDERR	28	1C	AEI1
USERIDERR	69	45	AEYX
VOLIDERR	71	47	AEXV

EIB CODES

EXEC CICS DISABLE, ENABLE, and EXTRACT EXIT commands

Conditions that can be raised by the ENABLE, DISABLE, and EXTRACT EXIT commands are INVEXITREQ and NOTAUTH. There are no conditions associated with the RESYNC command.

Condition	RESP Value	EIBRCODE (Byte 3)	Abend code
INVEXITREQ	63	80	AEY0
NOTAUTH	70	46	AEY7

Function codes of (SPI) EXEC CICS commands

The function code (field EIBFN) is a hexadecimal value that identifies the command most recently issued by a task. The format of the EIBFN field is as follows:

```
ASM      CL2
COBOL    PIC X(2)
PL/I     CHAR (2)
C        CHAR variable name(2);
```

The function codes of the commands described in this book are listed below. For information about other function codes, see the *CICS for MVS/ESA Application Programming Reference*.

Command	Code
ACQUIRE TERMINAL	86 02
COLLECT STATISTICS	70 08
+ CREATE CONNECTION	30 0E
+ CREATE FILE	30 14
+ CREATE LSRPOOL	30 16
+ CREATE MAPSET	30 04
+ CREATE PARTITIONSET	30 06
+ CREATE PARTNER	30 18
+ CREATE PROFILE	30 0A
+ CREATE PROGRAM	30 02
+ CREATE SESSIONS	30 12
+ CREATE TERMINAL	30 10
+ CREATE TRANCLASS	30 1A
+ CREATE TRANSACTION	30 08
+ CREATE TYPETERM	30 0C
DISCARD AUTINSTMODEL	42 10
DISCARD FILE	4C 10
DISCARD PARTNER	44 10
DISCARD PROFILE	46 10
DISCARD PROGRAM	4E 10

EIB CODES

Command	Code
DISCARD TRANCLASS	5E 18
DISCARD TRANSACTION	50 10
INQUIRE AUTINSTMODEL	42 02
INQUIRE AUTOINSTALL	68 12
INQUIRE CONNECTION	58 02
INQUIRE DSNAME	7A 02
INQUIRE DUMPDS	66 02
INQUIRE EXITPROGRAM	88 02
INQUIRE FILE	4C 02
INQUIRE IRC	6E 02
INQUIRE JOURNALNUM	60 02
INQUIRE MODENAME	5A 02
INQUIRE MONITOR	70 12
INQUIRE NETNAME	52 16
INQUIRE NETNAME	52 06
INQUIRE PARTNER	44 02
INQUIRE PROFILE	46 02
INQUIRE PROGRAM	4E 02
INQUIRE REQID	8A 02
INQUIRE STATISTICS	70 02
INQUIRE STORAGE	5E 08
INQUIRE SYSDUMPCODE	66 22
INQUIRE SYSTEM	54 02
INQUIRE TASK	5E 02
INQUIRE TCLASS	5E 12
INQUIRE TDQUEUE	5C 02
INQUIRE TERMINAL	52 12
INQUIRE TERMINAL	52 02
INQUIRE TRACEDEST	78 02
INQUIRE TRACEFLAG	78 12
INQUIRE TRACETYPE	78 22
INQUIRE TRANCLASS	5E 1A
INQUIRE TRANDUMPCODE	66 12
INQUIRE TRANSACTION	50 02
INQUIRE TSQUEUE	80 02
INQUIRE VOLUME	62 02
INQUIRE VTAM	68 02
PERFORM DUMP	7E 04
PERFORM RESETTIME	72 02
PERFORM SECURITY	64 02
PERFORM SHUTDOWN	76 02
PERFORM STATISTICS	70 06
SET AUTOINSTALL	68 14
SET CONNECTION	58 04
SET DSNAME	7A 04

EIB CODES

Command	Code
SET DUMPDS	66 04
SET FILE	4C 04
SET IRC	6E 04
SET JOURNALNUM	60 04
SET MODENAME	5A 04
SET MONITOR	70 14
SET NETNAME	52 08
SET PROGRAM	4E 04
SET STATISTICS	70 04
SET SYSDUMPCODE	66 24
SET SYSTEM	54 04
SET TASK	5E 04
SET TCLASS	5E 14
SET TDQUEUE	5C 04
SET TERMINAL	52 14
SET TERMINAL	52 04
SET TRACEDEST	78 04
SET TRACEFLAG	78 14
SET TRACETYPE	78 24
SET TRANCLASS	5E 1C
SET TRANDUMPCODE	66 14
SET TRANSACTION	50 04
SET VOLUME	62 04
SET VTAM	68 04

EIB CODES

+ Code	Command
+ 30 02	CREATE PROGRAM
+ 30 04	CREATE MAPSET
+ 30 06	CREATE PARTITIONSET
+ 30 08	CREATE TRANSACTION
+ 30 0A	CREATE PROFILE
+ 30 0C	CREATE TYPETERM
+ 30 0E	CREATE CONNECTION
+ 30 10	CREATE TERMINAL
+ 30 12	CREATE SESSIONS
+ 30 14	CREATE FILE
+ 30 16	CREATE LSRPOOL
+ 30 18	CREATE PARTNER
+ 30 1A	CREATE TRANCLASS
42 02	INQUIRE AUTINSTMODEL
42 10	DISCARD AUTINSTMODEL
44 02	INQUIRE PARTNER
44 10	DISCARD PARTNER
46 02	INQUIRE PROFILE
46 10	DISCARD PROFILE
4C 02	INQUIRE FILE
4C 04	SET FILE
4C 10	DISCARD FILE
4E 02	INQUIRE PROGRAM
4E 04	SET PROGRAM
4E 10	DISCARD PROGRAM
50 02	INQUIRE TRANSACTION
50 04	SET TRANSACTION
50 10	DISCARD TRANSACTION
52 02	INQUIRE TERMINAL
52 04	SET TERMINAL
52 06	INQUIRE NETNAME
52 08	SET NETNAME
52 12	INQUIRE TERMINAL
52 14	SET TERMINAL
52 16	INQUIRE NETNAME
54 02	INQUIRE SYSTEM
54 04	SET SYSTEM
58 02	INQUIRE CONNECTION
58 04	SET CONNECTION
5A 02	INQUIRE MODENAME
5A 04	SET MODENAME
5C 02	INQUIRE TDQUEUE
5C 04	SET TDQUEUE
5E 02	INQUIRE TASK
5E 04	SET TASK

DFH messages

Code	Command
5E 08	INQUIRE STORAGE
5E 1A	INQUIRE TRANCLASS
5E 1C	SET TRANCLASS
5E 12	INQUIRE TCLASS
5E 14	SET TCLASS
5E 18	DISCARD TRANCLASS
60 02	INQUIRE JOURNALNUM
60 04	SET JOURNALNUM
62 02	INQUIRE VOLUME
62 04	SET VOLUME
64 02	PERFORM SECURITY
66 02	INQUIRE DUMPDS
66 04	SET DUMPDS
66 12	INQUIRE TRANDUMPCODE
66 14	SET TRANDUMPCODE
66 22	INQUIRE SYSDUMPCODE
66 24	SET SYSDUMPCODE
68 02	INQUIRE VTAM
68 04	SET VTAM
68 12	INQUIRE AUTOINSTALL
68 14	SET AUTOINSTALL
6E 02	INQUIRE IRC
6E 04	SET IRC
70 02	INQUIRE STATISTICS
70 04	SET STATISTICS
70 06	PERFORM STATISTICS
70 08	COLLECT STATISTICS
70 12	INQUIRE MONITOR
70 14	SET MONITOR
72 02	PERFORM RESETTIME
76 02	PERFORM SHUTDOWN
78 02	INQUIRE TRACEDEST
78 04	SET TRACEDEST
78 12	INQUIRE TRACEFLAG
78 14	SET TRACEFLAG
78 22	INQUIRE TRACETYPE
78 24	SET TRACETYPE
7A 02	INQUIRE DSNAME
7A 04	SET DSNAME
7E 04	PERFORM DUMP
80 02	INQUIRE TSQUEUE
86 02	ACQUIRE TERMINAL
88 02	INQUIRE EXITPROGRAM
8A 02	INQUIRE REQID

DFH messages

DFH messages

Chapter 9. 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 for MVS/ESA CICS-Supplied Transactions* manual).
- CICS directs informational macro notes (mnotes) to programmers (these are not documented).
- Messages produced by CICS/ESA utility programs such as DFH\$MOLS and DFHMNDUP. These messages are self-explanatory and are not documented.

All of the CICS messages described in this book can also be viewed online using the CICS transaction CMAC. For guidance on using CMAC, see the *CICS for MVS/ESA CICS-Supplied Transactions* manual.

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	55 DFHCSDUP
42 DFHZCNR	56 DFHCSDUP
51 DFHCSDUP	57 Emergency restart
52 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.

DFH messages

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	IC The interval control program
AI The auto-install terminal model manager (AITM)	IR The interregion component
AK The activity keypoint component	JC The online journal control component
AM The RDO allocation manager	KC The transaction/profile manager
AP The application domain	KE The kernel domain
CC The CICS catalog domain (local and global)	LD The loader domain
CE The sign on program component	LM The lock manager domain
CP The CPI Communications component	MC The BMS message control program component
CR The ISC remote scheduler component	ME The message domain
DB The CICS database control component	MN The monitor domain
DD The directory manager	MU The message translation utility program
DL The DL/I interface component	MV The MVS RESMGR exit stub
DM The domain manager domain	PA The parameter manager domain
DS The dispatcher domain	PC The program control program component
DU The dump domain	PD The print dump exit routine DFHPDX
DX The CICS database control component	PG The program manager domain
ER The user backout program	PR The partner resource manager
EX The external CICS interface	PS The system spooler interface control module component
FC The file control component	RD The RDO allocation manager
FE The FE terminal test program component	RM The recovery Manager
	RT The ISC transaction routing component

DFH messages

RU The recovery utility program	TR The trace domain
SI The system initialization component	TS The temporary storage control program component
SK The sub task control program component	US The user domain
SM The storage manager domain	VC The volume management program
SN The signon component	WB The web interface component
SR The system recovery component	WK The warm keypoint component
ST The statistics domain	XA The XRF alternate component
SZ The front end programming interface (FEPI)	XC The XRF CICS availability manager
TC The terminal control program component	XG The XRF general component
TD The transient data component	XM The transaction manager
TF The terminal facility manager	XO The XRF CICS availability manager
TI The timer domain	XS The CICS security component
TM The system termination program component	ZC The terminal control working set component
TO The terminal object resolution program component	ZE The TCP error message writer component
TP The BMS terminal page retrieval program 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

DFH messages

- 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** Warning. 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.

DFH messages

Format of information

Information about each message is presented in the following format:

- **Message identifier** – in the form DFHnnnn or DFHccnnnn
- **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
 - CAIL Autoinstall terminal model manager (AITM) log
 - CCPI Common programming interface for communications (CPI Communications) messages
 - CDBC CICS-DBCTL interface log
 - 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
 - CSDL CEDA command log
 - CSCS Sign on/off security log
 - CSFL File allocation and related messages
 - CSKL Log for transaction and profile resource definitions
 - CSMT Write term errors and abends from DFHTACP and DFHACP
 - CSPL Log for program resource definitions
 - CSRL Log for partner resource definitions
 - CSSL Statistics log
 - CSTL Term I/O error messages from DFHTACP

DFH messages

CSML Sign on/off messages
CSNE Terminal error messages issued from DFHZNAC.
CSZL FEPI message queue

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. For programming information about the XMEOUT user exit see the *CICS for MVS/ESA 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'.

DFH messages

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 for MVS/ESA 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 for MVS/ESA Installation Guide*. The subsystem reformatting is enabled when at least one of the following is executing in the MVS image where the subsystem is defined:

- CICS/MVS Version 2 Release 1.2
- CICS/ESA Version 3 Release 1.1 with PTF UL93938 (APAR PL66570)
- CICS/ESA Version 3 Release 2.1, or later
- A message automation subsystem (such as NetView), which enables the MVS “subsystem console message broadcasting” service.

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 `XRF=NO` is also specified, or the second operand when `XRF=YES` is also 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

DFH 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.

Abend Codes

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.

Abend Codes

Ordered by abend code

0108	DFH5263
0111	DFHJC4511
0112	DFHJC4512
0113	DFHJC4501
0114	DFHJC4514
0115	DFHJC4580
0116	DFHJC4582
0117	DFHJC4596
0118	DFHJC4515
0119	DFHJC4519
0121	DFH5100
0123	DFH5175
0125	DFH5180
0126	DFH5184
0127	DFH5148
0147	DFH5721
0148	DFH5722
0149	DFH5723
0150	DFHER5724
0151	DFHER5725
0152	DFH5754
0161	DFHAK5802
0162	DFHAK5803
0170	DFHPS5394
0180	DFHJC4597
0182	DFHJC4509
0183	DFHJC4516
0184	DFHJC4534
0185	DFHJC4530
0190	DFHXG6450
0191	DFHXG6451
0192	DFHXG6452
0193	DFHXG6453
0194	DFHXG6454
0195	DFHXG6440
0196	DFHXG6441
0197	DFHXG6442
0198	DFHXG6443
0200	DFHXA6540
0201	DFHXA6541
0202	DFHXG6444
0203	DFHXG6430
0204	DFHXA6530
0205	DFHXG6439
0206	DFHXG6415
0207	DFHXA6523
0209	DFHXG6427
0210	DFHXA6528
0211	DFH6529
0213	DFHXG6524
0214	DFHXA6580
0220	DFHXO6700
0221	DFHXO6704
0222	DFHXO6702
0223	DFHXO6703
0224	DFHXO6720

Abend Codes

Ordered by message identifier

DFHAK5802	0161
DFHAK5803	0162
DFHJC4501	0113
DFHJC4509	0182
DFHJC4511	0111
DFHJC4512	0112
DFHJC4514	0114
DFHJC4515	0118
DFHJC4516	0183
DFHJC4519	0119
DFHJC4530	0185
DFHJC4534	0184
DFHJC4580	0115
DFHJC4582	0116
DFHJC4596	0117
DFHJC4597	0180
DFHPS5394	0170
DFHXA6523	0207
DFHXA6528	0210
DFHXA6530	0204
DFHXA6540	0200
DFHXA6541	0201
DFHXA6580	0214
DFHXG6415	0206
DFHXG6427	0209
DFHXG6430	0203
DFHXG6439	0205
DFHXG6440	0195
DFHXG6441	0196
DFHXG6442	0197
DFHXG6443	0198
DFHXG6444	0202
DFHXG6450	0190
DFHXG6451	0191
DFHXG6452	0192
DFHXG6453	0193
DFHXG6454	0194
DFHXG6524	0213
DFHXO6700	0220
DFHXO6702	0222
DFHXO6703	0223
DFHXO6704	0221
DFHXO6720	0224
DFH5100	0121
DFH5148	0127
DFH5175	0123
DFH5180	0125
DFH5184	0126
DFH5263	0108
DFH5721	0147
DFH5722	0148
DFH5723	0149
DFHER5724	0150
DFHER5725	0151
DFH5754	0152

ABEND CODES

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 for MVS/ESA Problem Determination Guide* for guidance on how to proceed.

ABEND CODES

Chapter 10. 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:

LPA	*7E*	PF6	*F6*	PF16	*C4*
OPID	*E6*	PF7	*F7*	PF17	*C5*
PA1	*6C*	PF8	*F8*	PF18	*C6*
PA2	*6E*	PF9	*F9*	PF19	*C7*
PA3	*6B*	PF10	*7A*	PF20	*C8*
PF1	*F1*	PF11	*7B*	PF21	*C9*
PF2	*F2*	PF12	*7C*	PF22	*4A*
PF3	*F3*	PF13	*C1*	PF23	*4B*
PF4	*F4*	PF14	*C2*	PF24	*4C*
PF5	*F5*	PF15	*C3*		

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.

ABEND CODES

All CICS transaction abend codes *abcode* are 4-character alphanumeric codes of the form **A***xy*, 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.)

Abend codes

CICS abend codes

Transaction abend codes

For guidance about interpreting the transaction abend codes summarized below, see the *CICS for MVS/ESA Messages and Codes* manual.

Apar List

Documentation for the following APARs is in this section

- PN58071
- PN65754 added 12 April 1995
- PN77114 added 22 November 1995

Abend	Module	Explanation
AACA	DFHACP	Invalid error code
AAKP	DFHAKP	Write I/O error to MT Log
AAL1	DFHALP	DFHALP was processing a request that deadlocked
AAL2	DFHALP	Unexpected response from suspend or resume allocated task
AAL3	DFHALP	Task purged before GETMAIN completed
AAL4	DFHALP	Error occurred on call to storage manager (SM)
AAMA	DFHAMP	Internal logic error in DFHAMP
AAMC	DFHAMP	Task purged before GETMAIN completed
AAMD	DFHAMP	Unexpected return code from DFHDMP, internal logic error
AAMF	DFHAMP	Unexpected return code from KE domain, internal logic error
AAMG	DFHAMP	Unexpected return code from DFHAFMT, internal logic error
AAMH	DFHAMP	Unexpected return code from DFHFCMT, internal logic error
AAMI	DFHAMP	Unexpected return code from DFHFCRL, internal logic error
AAMJ	DFHAMP	Irrecoverable error from DFHFCFS while installing a file
AAMK	DFHAMP	Irrecoverable error from DFHFCDN while installing a file
AAMN	DFHAMP	Unexpected return code from DFHPRPT, internal logic error
AAMO	DFHAMP	Invalid return code from DFHTOR
AAMP	DFHAMP	Unexpected return code from DFHPUP, internal logic error
AAMQ	DFHAMP	Partner resource manager is unavailable, failed to initialize

Abend codes

Abend	Module	Explanation
AAMS	DFHAMP	Unexpected return code from SM domain, internal logic error
AAMT	DFHAMP	Unexpected return code from DFHTMP, internal logic error
AAMZ	DFHAMP	Unexpected return code from DFHZCP, internal logic error
AAM1	DFHALP	Unexpected response from DFHXMCL during install of TRANCLASS
AAM2	DFHALP	Unexpected response from DFHMXD during transaction definition install
AAOA	DFHCPI	Unsupported CPI verb
AAOB	DFHCPI	CPI verb with more than eight parameters
AAOC	DFHCPARH	Invalid number of parameters for CPI Communications call
AAOD	DFHPCBIB	Task purged before GETMAIN request completed
AAOE	DFHPCBIB	Task purged before GETMAIN request completed
AAOF	DFHPCBIB	Task purged before GETMAIN request completed
AAOG	DFHPCBIB	Application attached with unsupported sync level
AAOH	DFHPCCOJ	Journaling of data sent on CPI Communications mapped conversation failed
AAOI	DFHPCCRI	Journaling of data received on CPI Communications mapped conversation failed
AAOJ	DFHCPIC	CPI Communications detected unexpected response from internal routine
AAOK	DFHCPIC	CPI Communications detected unexpected call to internal routine
AAOL	DFHPCCLR	CPI Communications made an invalid call to DFHLUC
AAOM	DFHPCCLR	CPI Communications out of sync with DFHZUSR state machines
AAON	DFHPCCLR	Unexpected response from DFHLUC to CPI Communications
AAOO	DFHCPARH	CPI Communications invoked with invalid first parameter
AAOP	DFHPCPFS	Impossible situation requested for CPI Communications
AAOQ	DFHPCPFS	CPI Communications return code has no entry in state table
AAOR	DFHCPIC	CPI Communications detected invalid value in conversation control block
AAOS	DFHCPIC	CPI Communications finds unexpected RESET for conversation state
AAOT	DFHPCBIB	CPI Communications chain error in conversation control blocks
AAOU	DFHPCBIB	CPI Communications error processing initialize conversation
AAOV	DFHPCPFS	CPI Communications internal state table corrupted
AAOW	DFHPCPCLC	Internal logic error in DFHPCPCLC

Abend codes

Abend	Module	Explanation
AAOX	DFHCPIC	CPI Communications has detected bad syncpoint return code
AAOY	DFHPCRB	Invalid LL field while CPI Communications receives mapped conversation
AAOZ	DFHPCRB	Invalid ID field while CPI Communications receives mapped conversation
AAO2	DFHPCBA	Unexpected response from DFHLUC to CPI Communications
AAO3	DFHCPI	Call to CPI Communications without initialization
AAO4	DFHCPCLR	Logic error detected by DFHZARL
AAO5	DFHPCBA	Task purged before GETMAIN completed
	DFHPCBI	
	DFHPCBS	
AAO7	DFHPCSRH	Invalid DFHLUC parameter list passed to CPI Communications
AAO8	DFHPCSRH	Invalid Conversation Control Block (CPC) passed to CPI Communications
AAO9	DFHCPCLR	Task purge detected
ABLA	DFHMCP	Task purged before GETMAIN completed
	DFHMCPE	
	DFHM32	
	DFHPBP	
	DFHRLR	
ABLB	DFHMCP	Error in call to storage domain
	DFHMCPE	
	DFHM32	
	DFHPBP	
	DFHRLR	
ABMA	DFHPBP	TIOA = 0 or < (storage accounting length - 12)
	DFHMCP	
ABMB	DFHPBP	Cursor position larger than current screen size
	DFHMCP	
	DFHMCX	
ABMC	DFHMCP	CMSG tran attempt to send to greater number of terminals than possible
ABMD	DFHTPP	Unexpected return code from send DFHTPR or DFHTPP
ABME	DFHTPP	DFHTPR or DFHTPP detected invalid datastream during BMS request
ABMF	DFHPBP	Send length too large
ABMG	DFHMCP	BMS service not present
	DFHTPQ	
ABMI	DFHMCP	Not input map
	DFHMCX	
ABML	DFHRLR	Terminal control locate routine received invalid data
ABMM	DFHPBP	Invalid map
ABMO	DFHMCP	Not output map
	DFHMCX	

Abend codes

Abend	Module	Explanation
ABMQ	DFHQRY	Task not terminal-oriented or terminal not defined to CICS correctly
ABMR	DFHTPR	Application program supplied invalid address
ABMU	DFHEMS DFHMCP	Address out of range
ABMV	DFHRLR	Invalid route list entry
ABMX	DFHPBP	Invalid set attribute order in text
ABMZ	DFHMCP DFHMCX	TIOA address in TCTTEDA is zero
ABM0	DFHMCP DFHMCX	Map could not be located
ABM1	DFHRLR	BMS service requested from non-BMS-supported terminal
ABM2	DFHMCP	No user data for BMS request
ABM3	DFHMCP	BMS service requested from a non-terminal-oriented task
ABM4	DFHMCP DFHTPP	BMS issued invalid request response to temp storage PUT or PUTQ
ABM5	DFHMCP DFHTPR	Purge request issued with invalid REQID by BMS
ABM6	DFHMCP	CSPS not installed
ABM7	DFHPBP	Trailer too large
ABM8	DFHPBP	Justify parameter zero or too large for page
ABM9	DFHPBP	Header or trailer too large
ABNA	DFHTPS	No route list
ABNB	DFHTPS	Invalid TCTTE type for principal facility of the task
ABNC	DFHTPS	Access temporary storage queue failed
ABNE	DFHTPS	Error response from BMS ROUTE or STORE request
ABNF	DFHTPS	Transaction not in send mode when sent to remote system
ABNG	DFHTPS	Attach received from remote system without data
ABNH	DFHTPS	Ship data to remote system failed
ABNI	DFHTPS	No profile for LU6.2 transaction routing request
ABNJ	DFHTPS	Task purged before GETMAIN complete
ABNK	DFHTPS	Error on call to storage manager domain
ABP1	DFHDLBP DFHTCBP DFHUSBP	I/O error in restart data set
ABP2	DFHDLBP DFHTSBP	Backout failure
ABP3	DFHTCBP DFHTSBP	CICS internal logic error during emergency restart
ABP4	DFHDLBP	Storage management unusable in emergency restart
ABSA	DFHTBS	Message to DFHBSMSG too long
ACAA	DFHCAP	Parameterized resource definition contains invalid resource type code

Abend codes

Abend	Module	Explanation
ACAD	DFHCAP	Parameterized resource definition contains invalid resource type code
ACAI	DFHCAP	Invalid function code for domain call to DFHCAP
ACCx		C/370 errors. See the <i>C/370 User's Guide</i> for further information.
+ ACEx		Issued by LE. See the <i>Language Environment for MVS & VM Debugging Guide and Run-Time Messages</i> for further information.
+ ACHA	DFHCHS	Remote server transaction is incorrect level
+ ACHB	DFHCHS	Remote server received frame out of sequence
+ ACHC	DFHCHS	Remote server did not receive expected acknowledgement type data
ACHD	DFHCHS	Remote server did not receive expected response type data
ACHE	DFHCHS	Remote server received unexpected data frame
ACHF	DFHCHS	Remote server sent more than one data frame
ACHG	DFHCHS	Remote server sent data when not in correct mode
ACHH	DFHCHS	Remote server has no TIOA for data
ACHI	DFHCHS	Remote server received unexpected return code
ACHJ	DFHCHS	Remote server cannot return error condition to CICS/CMS
ACHK	DFHCHS	Logic error in transformer program request
ACHL	DFHCHS	Remote server buffer too small
ACHM	DFHCHS	Remote server response retry limit exceeded
ACHN	DFHCHS	Remote server request retry limit exceeded
ACHO	DFHCHS	Remote server reply retry limit exceeded
ACHP	DFHCHS	Remote server reply has insufficient storage
ACHQ	DFHCHS	Remote server not supported by DL/I
ACHR	DFHCHS	Failure of the CICS/CMS remote server transaction (CEHS)
ACHS	DFHCHS	Failure of the CICS/OS2 remote server transaction (CEHP)
ACN1	DFHCCNV	Table DFHCNV could not be loaded
ACN2	DFHCCNV	Table DFHCNV has wrong format in first record
ACN3	DFHCCNV	Program DFHUCNV could not be linked
+ ACN4	DFHCCNV	An unrecognized format of a DFHCNV table encountered
+ ACN5	DFHCCNV	Unrecognizable value of override for default client code page received
+ ACN6	DFHCCNV	Conversion between client & server code pages not supported by CICS/390
+ ACN7	DFHCCNV	Unrecognizable value of override for default binary format received
+ ACN8	DFHCCNV	CICS data conversion error
ACP1	DFHCPY	Bad DFHIC TYPE=GET response code
ACP2	DFHCPY	Bad DFHIC TYPE=INITIATE response code
ACRA	DFHAPRT	Relay program invoked without terminal as principal facility

Abend codes

Abend	Module	Explanation
ACRB	DFHAPRT	Relay program invoked by transaction not defined as remote
ACRC	DFHAPRT	Invalid response from DFHZCX
ACRD	DFHAPRT	System entry not found
ACRE	DFHAPRT	Link is out of service
ACRF	DFHAPRT	Dynamic routing program incorrectly initiated
ACRG	DFHAPRT	No matching AID for ATI initiated remote transaction
ACRH	DFHAPRT	Profile could not be found
ACRI	DFHAPRT	Dynamic routing program could not be linked
ACRJ	DFHAPRT	Dynamic routing program has abended
ACRK	DFHAPRT	Relay program invoked with no address for principal facility
ACRL	DFHAPRT	The task does not own the facility
ACRO	DFHCRQ	Attempt to invoke CRSQ (internal transaction)
ACRM	DFHAPRT	Dynamic routing program INITIAL_LINK failure
ACSA	DFHCRS	Remote scheduler task (CRSR) does not own intersystem link TCTTE
ACSB	DFHCRS	Invalid reply to schedule request
ACSC	DFHCRS	Unexpected request received from remote system
ACSD	DFHCRS	Internal logic error detected
ACSE	DFHCRS	DFHCRS attached in unsupported manner
ACSF	DFHCRS	Task purged before GETMAIN successful
ACSG	DFHCRS	Error on call to storage domain
ACSH	DFHCRS	Sync level mismatch for processing APPC data
ACSI	DFHCRS	APPC conversion failure when attaching between systems
ACSL	DFHCRS	Unable to perform CDTS request or CFTS request
ACSM	DFHCRS	Transaction CFTS has abended
ACSN	DFHCRS	Transaction CFTS has stalled
ACTA	DFHZTSP	Relay program in TOR had unexpected request from AOR
ACTB	DFHZTSP	Relay program in TOR WRITE, LAST request failed
ACTC	DFHZTSP	Relay program in TOR failed to free session
ACTD	DFHZTSP	Relay program in TOR WRITE, WAIT, READ request failed
ACTE	DFHZSTP	Relay program in TOR failed to free session
ACTF	DFHZSTP	Relay program in TOR failed to free session
ACTG	DFHZSTP	Relay program in TOR received invalid region response
ACTH	DFHZISP	Privileged allocate issued against a remote LU6.2 system
ACTI	DFHCRT	TCTTE for session not owned by task
ACTJ	DFHCRT	Principal facility of relay transaction not a TCTTE
ACTK	DFHZISP	Task purged before GETMAIN successful
ACTL	DFHZISP	Error on call to storage manager domain
ACUA	DFHZXRL	Request not supported for transaction routing
ACUB	DFHZXRL	TCTSE address missing from parameter list for ALLOCATE request

Abend codes

Abend	Module	Explanation
ACUC	DFHZXRL	TCTSE address not that of a remote LU6.2 terminal
ACUD	DFHZXRL	Profile DFHCICSR was not located as installed profile definition
ACUE	DFHZXRL	Request to DFHZTSP to build surrogate TCTTE not met
ACUF	DFHZXRL	Session not allocated, request incorrectly specified
ACUG	DFHZXRL	Profile for ALLOCATE not located as installed transaction definition
ACUH	DFHZXRL	Requested session already owned by the TCA
ACUI	DFHZXRL	MODENAME in profile not found
ACUJ	DFHZXRL	Maximum session count for modegroup is zero
ACUK	DFHZXRL	No TCT entry for TOR in TCTSE for remote terminal
ACUL	DFHZXRL	WRITE, WAIT, READ request failed
ACUM	DFHZXRL	Request to DFHZTSP to free surrogate TCTTE not satisfied
ACUN	DFHZXRL	Attempt to free session with TOR failed
ACUO	DFHZXRL	Attempt to read data from TOR failed
ACUP	DFHZXRL	Expected rollback not received
ACUQ	DFHZXRL	Attempt to read data from TOR failed
ACUR	DFHZXRL	Expected rollback not received
ACUS	DFHZXRL	Attempt to read data from TOR failed
ACUT	DFHZXRL	Expected rollback or syncpoint not received
ACUV	DFHZXRL	TC ISSUE ABEND on MRO link failed
ACUW	DFHZXRL	TC ISSUE ERROR on MRO link failed
ACUX	DFHZXRL	WRITE, WAIT, READ request failed
ACUY	DFHZXRL	TC WRITE, WAIT failed
ACUZ	DFHZXRL	WRITE, WAIT, READ request failed
ACU0	DFHZXRL	TC WRITE, LAST, WAIT failed
ACU1	DFHZXRL	Attempt to read data from TOR failed
ACU2	DFHZXRL	Response from the TOR violates protocols
ACU3	DFHZXRL	AOR set of conversation state machine violates protocols
ACU4	DFHZXRL	Setting of conversation state machine failed
ACU5	DFHZXRL	Connection between two systems not installed
ACVA	DFHZXRT	TC WRITE, WAIT, or READ failed
ACVB	DFHZXRT	ISSUE SIGNAL on MRO link violates protocols
ACVC	DFHZXRT	ISSUE SIGNAL on LU6.2 link failed
ACVD	DFHZXRT	TC READ, WAIT failed
ACVE	DFHZXRT	TC WRITE failed
ACVF	DFHZXRT	TC WRITE, LAST, WAIT failed
ACVG	DFHZXRT	Attempt to free session with LU6.2 terminal failed
ACVH	DFHZXRT	Attempt to free session with AOR failed
ACVK	DFHZXRT	ISSUE ABEND on LU6.2 link failed
ACVL	DFHZXRT	TC ISSUE ABEND on MRO link failed
ACVM	DFHZXRT	ISSUE ERROR on LU6.2 link failed
ACVN	DFHZXRT	TC ISSUE ERROR on MRO link failed
ACVO	DFHZXRT	ISSUE PREPARE in TOR failed or violates protocols
ACVP	DFHZXRT	Expected FMH43 not received from AOR

Abend codes

Abend	Module	Explanation
ACVQ	DFHZXRT	Nonzero return code from APPC terminal
ACVR	DFHZXRT	TC SEND, LAST, WAIT failed
ACWA	DFHCWTO	CWTO transaction has failed, task started without a terminal ID
ACXA	DFHCXCU	Catch-up transaction, CXCU, has failed
ADBA	DFHDBP	Attempt to read dynamic log failed
ADBB	DFHDBP	DWE chain off TCA corrupted
ADBC	DFHDBP	DL/I log record too large for DL/I interface
ADBD	DFHDBP	Interface scheduling block not found
ADBE	DFHDBP	Invalid file name (DBRFID) found on dynamic log
ADBH	DFHDBP	Invalid service module identifier on dynamic log (DBRSVMID)
ADBK	DFHDBP	Invalid function ID found (DBRMODFN) from dynamic log
ADBL	DFHDBP	Invalid error code found (DBRERRCD) retrying file backout
ADCA	DFHDLIDP	Nonzero return code from DBCTL
ADCB	DFHDLIDP	No PSB scheduled for task
ADCC	DFHDLIDP	PSB already scheduled
ADCD	DFHDLIDP	Deadlock detected in DBCTL
ADCE	DFHDLIDP	Nonzero return code from DFHDBAT
ADCI	DFHDLIDP	User abend 3303 returned from IMS
ADCJ	DFHDLIDP	CICS-DBCTL interface terminated
ADCP	DFHDLIDP	PSB schedule request failed security check
ADCQ	DFHDLIDP	Invalid EXEC DLI SCHED request
ADCR	DFHDLIDP	No active communication with DBCTL
ADCS	DFHDBAT	Unexpected response from DBCTL to single phase commit request
ADCT	DFHDBCT	Attempt to invoke a CICS-DBCTL control transaction from a terminal
+ ADCV	DFHDLIDP	Connection to DBCTL terminated and then re-established
+ ADDA	DFHDBME DFHDLI DFHDLIDP	Error on call to storage manager domain
ADDB	DFHDBCON DFHDBDSC	Error on call to catalog domain
ADDC	DFHDBCON DFHDBDI	Error on call to loader domain
ADDI	DFHDBCT	CICS cannot find DBCTL alternate after failure
ADDJ	DFHDBCON	CICS/DBCTL connect failure - DFHDBAT cannot be ENABLED
ADEF	DFHCLS3	Severe error executing transaction CLS3
ADIR	DFHDIP	Invalid DFHDI or DFHBMS request
ADLA	DFHDLR	A DL/I abend occurred
ADLD	DFHDLR	Program isolation deadlock detected
ADLE	DFHDLIRP	DL/I request for remote database on unknown system

Abend codes

Abend	Module	Explanation
ADLF	DFHDLIRP	DL/I request for remote database, but link down
ADLG	DFHDLIRP	Errors in DL/I argument list for remote database request
ADLH	DFHDLRP	CICS DL/I restart task could not complete
ADLK	DFHDLR	Invalid IMS subroutine call to destroy a storage pool
ADLL	DFHDLILP	Error occurred writing to system log
ADLM	DFHDLXA	Global catalog read error
ADLP	DFHDLILP	PSB usage failed security check
ADLQ	DFHDLILP	Bad EXEC DLI SCHD request or bad PCB request
ADLR	DFHDLILP	The master terminal operator or a user application program purged the transaction
ADLS	DFHDLR	ISB for transaction cannot be found
ADLX	DFHDLR	Invalid DL/I request to get or free buffer
ADL1	DFHDLR	Invalid response from WAIT -MVS request
ADL2	DFHDLR	Transaction canceled during IMS request wait
ADMA	DFHDBCR	Error in DBCTL connection status
ADMB	DFHDBCR	Unrecognizable message from CICS/XRF message manager
ADPL	DFHEIP	Restricted API command used in DPL environment
	DFHCPIR	
	DFHDLI	
ADPM	DFHDLI	CALL AIBTDLI request issued for function type not supported by CICS
ADXA	DFHDXCU	XRF DBCTL state catch-up transaction, DXCU, has failed
ADXB	DFHDXCU	XRF DBCTL state catch-up transaction, DXCU, has failed
AEC1	DFHECIP	CECI, CEMT, or CEDA transaction attempted on unsupported terminal
	DFHECSP	
	DFHEMTP	
	DFHESTP	
	DFHEOTP	
	DFHEDAP	
AEC2	DFHECIP	CECI, CEMT, or CEDF tried to use too small a screen
	DFHECSP	
	DFHEMTP	
	DFHESTP	
	DFHEOTP	
	DFHEDAP	
AEC3	DFHAPLI	COBOL II failed to initialize a thread
AEC4	DFHAPLI	COBOL II failed to initialize a run-unit
AEC5	DFHAPLI	C/370 failed to initialize a thread
AEC6	DFHAPLI	C/370 failed to initialize a run-unit
AEC7	DFHAPLI	Language Environment/370 failed to initialize a thread
AEC8	DFHAPLI	Language Environment/370 failed to initialize a run-unit

Abend codes

Abend	Module	Explanation
AEC9	DFHAPLI	Language Environment/370 had error during RUNUNIT BEGIN INITIALIZATION phase
AEDA	DFHEDFX	CEDF started with invalid start code
AEDB	DFHEDFX	DFHEDFP passed invalid EDFXA
AEDC	DFHEDFX	EDF GETMAIN request failed
AEDD	DFHEDFX	EDF attach failed
AEDE	DFHEDFX	EDF suspend failed
AEDH	DFHEDFX	Failure of call to program manager
AED1	DFHEDFP	Attempt to use EDF on unsupported terminal or
	DFHEDFBR	using CEBR on unsupported device
AED2	DFHEDFX	EDF has terminated a task
AED3	DFHEDFX	EDF has terminated a task
AED4	DFHEDFP	Internal logic error in DFHEDFP
AED5	DFHEDFD	Internal logic error in EDF - insufficient dynamic storage
AED6	DFHEDFU	Internal logic error in EDF
AED7	DFHEDFP	TWA size too small for CEDF transaction
AED8	DFHEDFX	Terminal control error in DFHEDFX
AED9	DFHEDFD	Temporary storage error in EDF
AEIA	DFHEIP	ERROR condition not handled
AEID	DFHEIP	EOF condition not handled
AEIE	DFHEIP	EODS condition not handled
AEIG	DFHEIP	INBFMH condition not handled
AEIH	DFHEIP	ENDINPT condition not handled
AEII	DFHEIP	NONVAL condition not handled
AEIJ	DFHEIP	NOSTART condition not handled
AEIK	DFHEIP	TERMIDERR condition not handled
AEIL	DFHEIP	FILENOTFOUND condition not handled
AEIM	DFHEIP	NOTFND condition not handled
AEIN	DFHEIP	DUPREC condition not handled
AEIO	DFHEIP	DEPKEY condition not handled
AEIP	DFHEIP	INVREQ condition not handled
AEIQ	DFHEIP	IOERR condition not handled
AEIR	DFHEIP	NOSPACE condition not handled
AEIS	DFHEIP	NOTOPEN condition not handled
AEIT	DFHEIP	ENDFILE condition not handled
AEIU	DFHEIP	ILLOGIC condition not handled
AEIV	DFHEIP	LENGERR condition not handled
AEIW	DFHEIP	QZERO condition not handled
AEIZ	DFHEIP	ITEMERR condition not handled
AEI0	DFHEIP	PGMIDERR condition not handled
AEI1	DFHEIP	TRANSIDERR condition not handled
AEI2	DFHEIP	ENDDATE condition not handled
AEI3	DFHEIP	INVTSREQ condition not handled
AEI4	DFHEIP	EXPIRED condition not handled
AEI8	DFHEIP	TSIOERR condition not handled
AEI9	DFHEIP	MAPFAIL condition not handled
AELA	DFHETL	Function purged before control returned

Abend codes

Abend	Module	Explanation
AELB	DFHEGL	Function purged before control returned
AEMA	DFHUEM	Error on call to application domain
AEMB	DFHUEM	Error on call to loader domain
AEMP	DFHUEM	Task purged before set active request completed
AEMQ	DFHUEM	Task purged before IDENTIFY_PROGRAM completed successfully
AETA	DFHERM	Task abended by DFHERM after using DFHRMCAL macro
AETC	DFHERM	Command issued with invalid TRUE
AETF	DFHERM	Task purged before completion of storage manager request
AETG	DFHERM	Error on call to storage manager
AETH	DFHERM	Task purged before completion of storage manager request
AETI	DFHERM	Error on call to storage manager
AEXC	DFHEIP	RESIDERR condition not handled
AEXF	DFHEIP	ESCERROR condition not handled
AEXI	DFHEIP	TERMERR condition not handled
AEXJ	DFHEIP	ROLLEDBACK condition not handled
AEXK	DFHEIP	END condition not handled
AEXL	DFHEIP	DISABLED condition not handled
AEXS	DFHDLILP	DL/I call parameter storage resides above 16MB line
AEXT	DFHDLILP	DL/I call parameter list resides above 16MB line
AEXU	DFHEIDTI	NOTPOSS condition raised on encountering invalid parameter
	DFHEIQDS	
	DFHEIQSA	
	DFHEIQSC	
	DFHEIQSM	
	DFHEIQSP	
	DFHEIQST	
	DFHEIQSX	
AEXV	DFHEIP	VOLIDERR condition not handled
AEXW	DFHEIP	SUPPRESSED condition not handled
AEXX	DFHEIP	TASKIDERR condition not handled
AEXY	DFHxxx	Transaction purged before control was returned For modulelist, see <i>CICS for MVS/ESA Messages and Codes</i>
AEXZ	DFHxxx	Command failed due to serious failure in CICS component For module list, see <i>CICS for MVS/ESA Messages and Codes</i>
AEX0	DFHEIP	TCIDERR condition not handled
AEX1	DFHEIP	DSNNOTFOUND condition not handled
AEX2	DFHEIP	LOADING condition not handled
AEX3	DFHEIP	MODELIDERR condition not handled
AEX5	DFHEIP	PARTNERIDERR condition not handled
AEX6	DFHEIP	PROFILEIDERR condition not handled
AEX7	DFHEIP	NETNAMEIDERR condition not handled

Abend codes

Abend	Module	Explanation
AEYA	DFHEIP	INVERRTERM condition not handled
AEYB	DFHEIP	INVMPSTZ condition not handled
AEYC	DFHEIP	IGREQID condition not handled
AEYD	DFHSRP	Storage violation by CICS
AEYE	DFHEIP	INVLDC condition not handled
AEYG	DFHEIP	JIDERR condition not handled
AEYH	DFHEIP	QIDERR condition not handled
AEYJ	DFHEIP	DSSTAT condition not handled
AEYK	DFHEIP	SELNERR condition not handled
AEYL	DFHEIP	FUNCERR condition not handled
AEYM	DFHEIP	UNEXPIN condition not handled
AEYN	DFHEIP	NOPASSBKRD condition not handled
AEYO	DFHEIP	NOPASSBKWR condition not handled
AEYP	DFHEIP	SEGIDERR condition not handled
AEYQ	DFHEIP	SYSIDERR condition not handled
AEYR	DFHEIP	ISCINVREQ condition not handled
AEYT	DFHEIP	ENVDEFERR condition not handled
AEYU	DFHEIP	IGREQCD condition not handled
AEYV	DFHEIP	SESSIONERR condition not handled
AEYX	DFHEIP	USERIDERR condition not handled
AEYY	DFHEIP	NOTALLOC condition not handled
AEYZ	DFHEIP	CBIDERR condition not handled
AEY0	DFHEIP	INVEXITREQ condition not handled
AEY1	DFHEIP	INVPARTNSET condition not handled
AEY2	DFHEIP	INVPARTN condition not handled
AEY3	DFHEIP	PARTNFAIL condition not handled
AEY6	DFHUEM	Internal logic error in DFHUEM
AEY7	DFHEIP	NOTAUTH condition not handled
AEY8	DFHEIP	No DSA found onchain trying to free dynamic storage
AEY9	DFHEIP	Invalid EXEC CICS command issued
AEZA	DFHEIP	AMODE 24 program defined in transaction with TASKDATALOC=ANY
AEZB	DFHERM	AMODE 24 task-related user exit defined in transaction with TASKDATALOC=ANY
AEZC	DFHAPLIS	AMODE 24 program defined in transaction with TASKDATALOC=ANY
AEZD	DFHAPLI	Attempt to run EXECKEY(USER) program in transaction with TASKDATAKEY(CICS) defined
AFCB	DFHFCEI	Unexpected response from DFHFCEI resource level security check
AFCF	DFHFCEI	Internal logical error on calling file control request module DFHFCFR
AFCD	DFHFCEI	Irrecoverable error as table manager tries to locate AFCT
AFCE	DFHFCEI	A GETMAIN for FFLE storage failed
AFCF	DFHFCEI	File control deadlock between tasks

Abend codes

Abend	Module	Explanation
AFCG	DFHFCEI	File issued sequence of file control requests that would deadlock itself
AFCH	DFHFCEI	Request to disabled or closed table
AFCJ	DFHFCEI	Task taking longer than DTIMEOUT interval specified for CSFU
AFCM	DFHDTLDX	Data table load failed
+ AFCN	DFHDMPCA	File request issued causing an attempt to create a journal record that is too large
+ AFCP	DFHDMPCA	Journal control IDERROR response
AFCQ	DFHDMPCA	Journal control LERROR response
AFCY	DFHDBP	Transaction purged during file request
AFCZ	DFHDMPCA	Irrecoverable error response from DFHFCFR to its caller
AFC0	DFHCEI	Updating file after file control restart failed
AFC2	DFHFCEI	Irrecoverable error from DFHFCFS on open file request
+ AFC4	DFHDMPCA	File request record length mismatch
AFC7	DFHDMPCA	Irrecoverable error response from DFHFCFS to DFHDMPCA
AFC9	DFHDMPCA	Task attempted to update file that failed backout
AGMA	DFHGMM	No terminal specified for Good Morning transaction
AICA	DFHSRP	Task executing for longer than runaway time interval
AICB	DFHICP	RETRIEVE WAIT reissued in system shutdown
AICC	DFHICP	Incorrect response from a TI domain request
AICD	DFHTAJP	Incorrect response from a KE domain request
AICE	DFHICP	Incorrect response from a DS domain request (other than AICG)
AICF	DFHICP	Incorrect response from a TM domain request
AICG	DFHICP	PURGED response from DS request with reason code TASK_CANCEL
AICH	DFHEIIC	Task purged before request to SM domain completed successfully
AICJ	DFHICP	Error on call to storage domain
AICK	DFHICP	Invalid response from resource level security check
AICL	DFHEIIC	Invalid function code in the command level parameter list
AICN	DFHICP	Incorrect response from US domain request
AICO	DFHICXM	Unexpected EXCEPTION response on call to user domain
AICR	DFHCRR	Failure of DFHTC write request for IRC

Abend codes

Abend	Module	Explanation
AISA	DFHMIRS	CSMI attached to facility other than terminal
AISB	DFHMIRS	Errors detected in data for mirror transaction
AISC	DFHMIRS	TIOA not received from terminal by mirror transaction
AISD	DFHMIRS	Mirror program received nonzero return code
AISF	DFHMIRS	Facility for mirror is APPC, conversation unmapped
AISG	DFHMIRS	Mirror transaction could not send reply
AISH	DFHCRNP	Incorrect invocation of CSNC
AISI	DFHISP	Invalid function shipping request from DFHEIP to DFHISP
AISJ	DFHCRNP	CSNC abended because LINK to DFHCRR failed
AISK	DFHISP	Mirror transaction abended
AISL	DFHLUP	LU services manager transaction started directly from user terminal
	DFHCLS3	
	DFHCLS4	
	DFHZLS1	
AISM	DFHTDP	Macro-level request for remote system
	DFHTSP	
	DFHDLILP	
AISN	DFHCRNP	CSNC failed to acquire SUSPEND TOKEN
AISO	DFHCRNP	CSNC failed to suspend itself
AISP	DFHMIRS	Mirror transaction invoked with invalid principal facility
AISQ	DFHMIRS	EXEC CICS command issued for CPI Communications session
AISS	DFHZARM	Security violation at start of APPC conversation
AIST	DFHCRNP	Unexpected return code after DFHTC TYPE=LOCATE
AISU	DFHMIRS	Error on call to storage manager domain
AISV	DFHMIRS	PURGED condition on call to storage manager domain to FREEMAIN
AISW	DFHCRSP	Error on call to storage manager domain
AISX	DFHCRSP	PURGED condition on call to SM domain to GETMAIN or FREEMAIN
AISY	DFHLUP	Invalid parameters for LU services manager
AISZ	DFHMXP	Unexpected reply when committing START PROTECT NOCHECK requests
AIS1	DFHCRSP	Unexpected return code after DFHMROQM FUNC=ENQ command
AIS2	DFHCRNP	Unexpected return code after DFHMROQM FUNC=WAIT_Q command
AIS3	DFHCRNP	Failed to issue store clock instruction
AIS4	DFHCRNP	Unexpected return code after DFHMROQM FUNC=ENQUEUE command
AIS5	DFHCRNP	Unexpected return code after DFHMROQM FUNC=ENQUEUE command
AIS6	DFHMIRS	DISASTER, EXCEPTION, or INVALID condition on call to storage manager domain

Abend codes

Abend	Module	Explanation
AIS7	DFHMIRS	PURGED condition on call to storage manager domain
AIS8	DFHMIRS	Internal logic error in DFHMIRS
AIS9	DFHMIRS	DPL server program returned invalid state after LINK command
AJCA	DFHJCIOE	Unrecoverable I/O error in journal data set
AJCB	DFHJCEOV	Attempt to switch data sets on NONCRUCIAL journal failed
AJCC	DFHJCbsp	Transaction identifier CSJC illegally entered at terminal
AJCD	DFHJCKOJ DFHJCP DFHJCPDY	Error on call to SM domain
AJCE	DFHJCP DFHJCPDY	Task purged before GETMAIN completed
AJCF	DFHJCbsp DFHJCC DFHJCEOV DFHJCI DFHJCKOJ DFHJCO DFHJCP DFHJCSDJ	Error on call to DS domain
AJCG	DFHJCC DFHJCEOV DFHJCI DFHJCKOJ DFHJCO DFHJCP DFHJCSDJ	Task purged before WAIT request to DS domain completed
AJCH	DFHJCC DFHJCO	DFHPC link for the journal exit has failed
AJCI	DFHJCRP	Insufficient storage for ADD_SUBPOOL request
AJCJ	DFHJCRP	Unexpected response from ADD_SUBPOOL request
AJCK	DFHJCP	Unexpected response from GETMAIN request to SMGF domain
AJCL	DFHAKP	Unexpected response from GETMAIN request to SMGF domain
AJCM	DFHAKP	DFHAKP failed to locate first JCT entry in JCT
AJCN	DFHAKP	Unexpected response from GETMAIN request to SMGF domain
AJCO	DFHAKP	Unexpected response from FREEMAIN request to SMGF domain
AJCP	DFHJCO	Journal exit program DFHXJCO has abended
AJCQ	DFHJCC	Journal exit program DFHXJCC has abended
AJCR	DFHJCP	CRUCIAL journal unavailable
AKCA	DFHXCP	Transaction manager component received invalid request code

Abend codes

Abend	Module	Explanation
AKCB	DFHKCRP	Transaction manager restart task could not complete
AKCC	DFHXMAT	Purge threshold on TRANCLASS reached
	DFHXMCL	
AKCE	DFHKCQ	Write to system log failed
AKCF	DFHKCQ	Write to catalog failed
AKCR	DFHXCP	Transaction manager received an invalid request
	DFHXCPC	code
AKCS	DFHXCP	Deadlock time-out has occurred
	DFHXCPC	
AKCT	DFHXCP	Terminal read-time-out has occurred
AKCV	DFHALP	Unexpected return code on resume of suspended task
AKC0	DFHAPATT	Attempt to run CSSY as user transaction
AKC1	DFHXCP	DFHKC WAIT when ECB already marked as waiting
AKC2	DFHXCP	Unexpected response from DS domain call
	DFHXCPC	
AKC3	DFHXCP	Task has been purged
	DFHXCPC	
	DFHXMAT	
	DFHXMCL	
	DFHXMIC	
	DFHXMIA	
AKC4	DFHXCPC	Error on transaction attach concerning storage
AKC5	DFHXCPC	Invalid response from SM domain call
AKC6	DFHXCP	DFHKC SUSPEND did not precede DFHKC RESUME
AKC7	DFHXCPC	Unexpected response from an XMSU call during transaction ATTACH
AKC8	DFHXCP	Unexpected response from call to kernel domain for task purge
AKEA	DFHKESTX	Program check detected by KE domain
AKEB	DFHKESTX	Operating system abend detected by KE domain
AKEC	DFHKESTX	Runaway detected by kernel domain
	DFHKERRU	
AKED	DFHKEEDA	Deferred abend request in kernel domain
AKEF	DFHKERKE	Error detected while processing KE domain call
AKEG	DFHKESGM	MVS GETMAIN for kernel stack storage failed
AKEZ	DFHKETA	Failure of user attach - insufficient kernel tasks
AKSE	DFH99KC	No code for keyword
ALIA	DFHAPLI	OS/VS COBOL GETMAIN failure - insufficient storage
ALIB	DFHAPLI	C/370 GETMAIN failure - insufficient storage
ALIC	DFHAPLI	LE/370 GETMAIN failure (above 16MB) - insufficient storage
ALID	DFHAPLI	LE/370 GETMAIN failure (below 16MB) - insufficient storage
ALIE	DFHAPLI	C/370 GETMAIN failure - insufficient storage
ALIF	DFHAPLI	LE/370 GETMAIN failure - insufficient storage

Abend codes

Abend	Module	Explanation
ALIG	DFHAPLI	Failure to determine language of application program
AMI1	DFHMIRS	Unexpected response when mirror task resumed
AMNA	DFHCMP	Exception response from MN domain—invalid address in DATA1
AMNB	DFHCMP	Exception response from MN domain—invalid data in DATA2
AMNZ	DFHCMP	Unexpected error response from MN domain
AMSA	DFHMSP	SBA not followed by two 1-byte address fields
AMSB	DFHMSP	Internal logic error in DFHMSP
AMSC	DFHMSP	Task purged before GETMAIN completed
AMSD	DFHMSP	Error on call to storage manager (SM) domain
APCF	DFHAPLI	Program not compiled with supported PL/I compiler
APCG	DFHxxx	Transaction purged For module list, see <i>CICS for MVS/ESA Messages and Codes</i>
APCH	DFHAPLI	COBOL II or LE/370 support not present
APCI	DFHAPLI	Execution of PL/I programs has been disabled
APCJ	DFHAPLI	C/370 does not recognize program
APCK	DFHAPLI	Execution of C program disabled
APCL	DFHAPLI	Language Environment/370 unable to determine program language
APCN	DFHxxx	Attempt to release program/mapset/partitionset that is not loaded or has already been deleted. For module list, see <i>CICS for MVS/ESA Messages and Codes</i>
APCS	DFHAPLI	CICS could not get run time information from LE/370
APCT	DFHxxx	Program/mapset/partitionset failure. For module list, see <i>CICS for MVS/ESA Messages and Codes</i>
+ APCW	DFHAPLI	Compiler level for COBOL program cannot be determined
+ APCY	DFHAPLI	Macro request from PL/I or COBOL program
+ APCZ	DFHAPLI	Attempt to run 'old-style' application program
+ APC0	DFHPCP	Serious error on call to program manager domain
APC1	DFHAPLI	Request for TGT exceeding 64KB in size
APC2	DFHAPLI	Illegal branch following abend condition
APC3	DFHLIP	No Language Environment/370 support present for program
APC4	DFHPCP2	Loader domain define request failed for program ILBOCOM
APC5	DFHPCP2	Loader domain load request failed for program ILBOCOM
APC6	DFHPCP2	An internal error has occurred
APC7	DFHPCP2	An MVS IDENTIFY call for entry point ILBOCOM0 failed
APC8	DFHPCP2	An MVS LOAD of ILBOCOM0 has failed
APC9	DFHPCP2	An MVS LOAD of ILBOCOM has failed

Abend codes

Abend	Module	Explanation
APLx		PL/Iabend code (see <i>OS/VS PL/I Optimizing Compiler: Programmer's Guide</i>)
APP1	DFHP3270	Invalid DFHIC TYPE=GET response code
APP2	DFHP3270	Data length passed to DFHP3270 less than or equal to 5
APP3	DFHP3270	Invalid request to nonprinter
APR1	DFHPRK	Invalid DFHIC TYPE=PUT response code
APSJ	DFHPSIP	Spooler initialization program incorrectly invoked
APST	DFHEPS	SPOOL command without NOHANDLE operand
APSU	DFHPSPST	Invalid JES return code to spooler
APSV	DFHPSPST	VSAM macro return code contains invalid value
APSW	DFHPSPST	Abend in CICS system spooler subtask
APSX	DFHPSPST	A CICS storage area contains invalid value
APSY	DFHPSPST	Storage area for MVS macro return code contains invalid value
APSZ	DFHPSPST	CICS area for JES interface return code contains invalid value
APTI	DFHPSPST	Task purged before GETMAIN request to storage manager completed
APTJ	DFHPSPST	Error on call to storage manager domain
APUA	DFHPUP	GETSTG parameter missing on call to DFHPUP (PUPF)
APUB	DFHPUP	GETSTG parameter missing on call to DFHPUP (PUPU)
APUC	DFHPUP	Invalid function code supplied on domain call to DFHPUP
APUD	DFHPUP	Unable to locate RDO language definition table (DFHEITSP)
APUE	DFHPUP	Lack of storage to load RDO language definition table (DFHEITSP)
APUF	DFHPUP	RDO language definition table invalid or missing
APUG	DFHPUP	Storage cannot be obtained for CSD record buffer
APUH	DFHPUP	Storage cannot be obtained for argument list
APUI	DFHPUP	Storage cannot be freed for argument list
APUJ	DFHPUP	Storage cannot be freed for CSD record buffer
APUK	DFHPUP	Unable to obtain storage
APUL	DFHPUP	Unrecognized resource type code (FLATTEN)
APUM	DFHPUP	Unrecognized resource type code (TRANCASE)
APUN	DFHPUP	Unrecognized resource type code (COMPARE)
APUO	DFHPUP	Unrecognized resource type code (BACKTRANS)
APUP	DFHPUP	Error processing language definition table for RDO
APUQ	DFHPUP	Error processing language definition table for RDO
APUR	DFHPUP	Data type conflict
APUS	DFHPUP	Invalid integer data length for keyword field
APUT	DFHPUP	Invalid keyword existence bit number
APUZ	DFHPUP	Invalid resource type code in CSD record
ARCA	DFHRCRP	Recovery control restart task failure
ARCB	DFHRCRX	Initialization failure - exit program cannot be found

Abend codes

Abend	Module	Explanation
ARHA	DFHCPIR	SAA resource recovery interface has invalid first parameter
ARHB	DFHCPIR	Invalid number of parameters for SAA resource recovery call
ARHC	DFHCPIR	Unexpected return code from syncpoint program for SAA resource recovery interface
ARL1	DFHZRLG	CSLG not internally initiated by task attach
ARPA	DFHRTE	Unexpected response from DFHSUSN signing off user of CRTE transaction
ARTA	DFHRTE	Task does not own terminal as its principal facility
ARTB	DFHRTE	No input TIOA, or data length zero
ARTC	DFHRTE	Link not usable
ARTD	DFHRTE	Internal logic error in DFHRTE
ARTE	DFHRTE	Error in I/O to or from temporary storage
ARTF	DFHRTE	Invalid attempt to use CRTE
ARTG	DFHRTE	Profile not found
ASCA	DFHSMSCP	Disaster response to DFHSC TYPE=GETMAIN request from SM domain
ASCB	DFHSMSCP	Disaster response to DFHSC TYPE=FREEMAIN request from SM domain
ASCP	DFHSMSCP	Task purged while waiting for contiguous main storage
ASCR	DFHSMSCP	Invalid storage control request type
ASFA	DFHSFP	Unexpected response from EXEC CICS
ASFB	DFHSFP	Attempt to execute CICS signoff without an associated terminal
ASFC	DFHSFP	Attempt to execute CICS signoff program against APPC session
ASIA	DFHSI1	Error on call to storage manager domain
ASIB	DFHSIPLT	Invalid attempt to run CICS internal task CPLT as user transaction
ASNA	DFHSNP	Unexpected response from EXEC CICS
ASNB	DFHSNP	Attempt to execute CICS signon without an associated terminal
ASNC	DFHSNP	Signon program failed to send request to user
ASPA	DFHSPP	Task purged before GETMAIN completed successfully
ASPB	DFHSPP	Error on call to storage manager domain
ASPD	DFHSPP	
ASPE	DFHSPP	Error resetting dynamic log Syncpoint rollback without dynamic transaction backout
ASPF	DFHSPP	ROLLEDBACK returned to syncpoint program
ASPG	DFHSPZ	Invalid format in partner's LU name
ASPH	DFHSPZ	No logname for partner's LU
ASPJ	DFHSPZ	Unexpected syncpoint message data from partner system

Abend codes

Abend	Module	Explanation
ASPK	DFHSPZ	Error detected committing message to sync level 1 function shipped resource
ASPL	DFHSPP	Error writing syncpoint information to system log
ASPM	DFHSPP	Unexpected response from resource manager
ASPN	DFHSPP	Transaction has issued an EXEC CICS RETURN in backout required program state
ASP1	DFHSPZ	Intersystem session failed during syncpoint
ASP2	DFHSPZ	Syncpoint attempted with ISC links in invalid state
ASP3	DFHSPP	No syncpoint taken in remote system
	DFHSPZ	
ASP4	DFHSPP	Backed out response from single phase commit
ASP5	DFHSPZ	Principal facility not owned by task
ASP6	DFHSPZ	Attempt to flush out data unsuccessful
ASP7	DFHSPP	Resource manager replied 'No' to request to 'Prepare'
ASP8	DFHSPZ	Syncpoint rollback not supported
ASP9	DFHSPP	Free TCTTE failed
	DFHSPZ	
ASRA	DFHSRP	Program check has occurred
ASRB	DFHSRP	Operating system abend
ASRD	DFHSRP	Invalid macro call or reference to CSA or TCA
ASRK	DFHSR1	DFHSR1 unable to call system recovery program (DFHSRP)
ATCA	DFHZARQ	DFHTC macro issued when in final quiesce mode
ATCB	DFHZARQ	Two consecutive reads or writes without intervening wait
ATCC	DFHZARQ	Read or more than one write issued using pipeline session
ATCD	DFHZDSP	CTYPE or QUEUE issued and VTAM or ZCP
	DFHZERH	function not included in system
ATCE	DFHZARQ	DFHTC request issued without address of TIOA
ATCF	DFHZCRQ	DFHTC CTYPE macro issued to non-VTAM TCTTE
ATCG	DFHZARQ	DFHTC request for terminal which program does not own
ATCH	DFHxxx	Task purged before domain call completed successfully For module list, see <i>CICS for MVS/ESA Messages and Codes</i>
ATCJ	DFHZATA	Invalid autoinstall invocation
	DFHZATD	
	DFHZATR	
ATCK	DFHZARQ	Write issued with CCOMPL=NO without authority
ATCL	DFHETL	Error during automatic journaling or automatic logging
	DFHTCPCM	
	DFHZARQ	
ATCM	DFHZDWE	Error writing syncpoint information
	DFHZSYN	

Abend codes

Abend	Module	Explanation
ATCN	DFHSUP	Error during automatic journaling or automatic logging
ATCO	DFHZARQ	Function unsupported by terminal or system
ATCP	DFHZRLG	DFHJCP detected error attempting PUT request
ATCQ	DFHZRAQ	Temporary storage error
ATCR	DFHZRAR	Temporary storage error
ATCS	DFHZARQ	Send data after request change direction received
ATCT	DFHSUP	Build of surrogate TCTTE for remotely-owned terminal failed
ATCU	DFHZARQ	Send in receive mode
ATCV	DFHETL DFHZARQ DFHZISP	Application attempted operation on logical unit which failed
ATCW	DFHSUP	No installed profile definition for LU6.1 or APPC session
ATCX	DFHxxx	Error on call to storage manager domain For module list, see <i>CICS for MVS/ESA Messages and Codes</i>
ATCY	DFHZARQ DFHSUP	Error processing inbound FMH
ATCZ	DFHZSLS	Error in call to security domain
ATC1	DFHTCRP	Terminal control restart task failure
ATC2	DFHZSLS	VTAM rejected CICS SET VTAM OPEN request
ATC4	DFHTCRP	The XRF TCB abended
ATC5	DFHETL	Internal logic error in APPC mapped processing
ATC6	DFHETL	SEND DATA length greater than 65528 bytes
ATC7	DFHSUP	Unexpected response from INITIAL-CALL request to DFH ZARL
ATC8	DFHETL	Error during processing of an inbound FMH
ATC9	DFHZNCE	RESUME issued without prior SUSPEND
ATDD	DFHTDP	Transient data destination is disabled
ATDI	DFHTDP	Unsupported transient data destination type
ATDL	DFHTDP	Error detected by journaling
ATDT	DFHTDP	Invalid request code in TCATDTR
ATDY	DFHTDRP	Transient data initialization failed
ATDZ	DFHTDP DFHTDRP	CICS function failed
ATD3	DFHTDP	Task purged before GETMAIN completed successfully
ATD4	DFHTDP	Error in call to storage manager domain
ATFE	DFHTOUT1	FREEMAIN failed during CEDA CHECK or CEDA INSTALL
ATGE	DFHTOUT1	GETMAIN failed during CEDA CHECK or CEDA INSTALL
ATMA	DFHTMP	Task purged before GETMAIN completed successfully
ATMB	DFHTMP	Error on call to storage manager domain

Abend codes

Abend	Module	Explanation
ATNA	DFHZNAC	Terminal operator entered transaction identification for NACP
ATND	DFHZARQ DFHZARL DFHVSUP	Task termination postponed
ATNI	DFHZARL DFHZARM DFHZARQ DFHZRAQ DFHVSUP	Task terminated by NEP (VTAM) or TEP (non-VTAM)
ATOA	DFHCESC	Invalid attempt to invoke CESC with terminal as principal facility
ATOB	DFHCESC	Abnormal response from EXEC CICS START TRANSACTION(CESC)
ATOC	DFHCESC	Failure of a DFHZCUT timeout request
ATOD	DFHCESC	Abnormal response from EXEC CICS CANCEL TRANSACTION(CESC)
ATOE	DFHCESC	Cannot determine time XRF takeover began
ATOF	DFHCESC	Abnormal response from EXEC CICS DELAY TRANSACTION(CESC)
ATOG	DFHCESC	Abnormal response from EXEC CICS START TRANSACTION(CEGN)
ATOH	DFHCESC	Failure of CESC due to an invalid function code
ATOT	DFHCEGN	CEGN RETRIEVE failure
ATOU	DFHCEGN	CEGN RETURN failure
ATOV	DFHCEGN	CEGN GETMAIN, ASSIGN or SEND failure
ATPA	DFHTPR	Error occurred estimating the length of a CICS message
ATPB	DFHTPR	Error occurred trying to retrieve a CICS message
ATPC	DFHTPQ	Error occurred estimating the length of a CICS message
ATPD	DFHTPQ	Error occurred trying to retrieve a CICS message
ATPE	DFHTPQ	Task purged before GETMAIN completed successfully
ATPF	DFHTPQ	Error on call to storage manager domain
ATRA	DFHTRP	Task abnormal termination requested by DFHTRAP
ATSA	DFHTSRP	Temporary storage restart task failure
ATSB	DFHTSP	Temporary storage restart task failure
ATSC	DFHTSP	Task canceled during temporary storage command
ATSD	DFHTSP	Unexpected response from dispatcher domain
ATSL	DFHTSP	Error detected by journaling
ATSP	DFHTSP	DATAID currently in use, or purge not synchronized
ATSQ	DFHTSP	Move of data to or from temporary storage failed
ATSS	DFHTSP	Error processing VSAM request on behalf of DFHTSP
ATST	DFHTSP	Unexpected error from DFHTSUT subroutine call

Abend codes

Abend	Module	Explanation
ATUF	DFH99KO	Insufficient space for parameter list for DYNALLOC SVC
AUEP	DFHUEH	User exit program sent return code UERCPURG to user exit handler
AWKY	DFHWKP	Failure of global catalog request during warm keypointing
AWKZ	DFHWKP	Failure of keypoint request for automatic AIDs chain
AXFA	DFHXFP	File control request keylength zero
AXFB	DFHXFP	Unacceptable FMH type found
AXFC	DFHXFP	Invalid request passed to data transformation program
AXFD	DFHXFP	Invalid request for remote system
AXFE	DFHXFP	Transformation requested does not exist
AXFF	DFHXFP	Unacceptable queue organization found
AXFG	DFHXFP	Unacceptable argument number in data following FMH type 43
AXFH	DFHXFP	Unexpected argument in data following FMH type 43
AXFI	DFHXFP	Zero data length for WRITEQ TD or READQ TD
AXFJ	DFHXFP	Error code in UIBFCTR and UIBDLTR cannot be converted to SNA error code
AXFK	DFHXFP	DL/I request not supported
AXFL	DFHXFP	Null chain of data received
AXFM	DFHXFP	ISCINVREQ condition raised
AXFO	DFHXFP	Check on DS and DBA parameters failed
AXFP	DFHXFP	No second FMH received
AXFQ	DFHXFP	FMH too short or too long
AXFR	DFHXFP	Length of data exceeds 32767
AXFS	DFHXFP	Maximum length of I/O area exceeds 65535
AXFT	DFHXFP	Size of output I/O area exceeds 65535
AXFU	DFHXFP	Invalid two-level cursor
AXFV	DFHXFP	Local databases not supported on version of data transformation program
AXFW	DFHXFP	Invalid length specification given
+ AXFX	DFHXFP	A function shipping request by an APPC link failed.
AXFY	DFHXFP	APPC conversation failure for attach between CICS systems
AXF0	DFHXFP	Task purged due to lack of storage in a DSA
AXF1	DFHXFP	Unexpected return code from storage manager module DFHSMGF
AXF2	DFHXFP	Task purged because of insufficient storage in DSA
AXF3	DFHXFP	Unexpected return code from storage manager module DFHSMGC
AXF4	DFHXFX	Task purged before GET_BUFFER request completed successfully
AXF5	DFHXFX	Error on call to DFHEISR

Abend codes

Abend	Module	Explanation
AXMA	DFHxxx	Error obtaining a lock in transaction manager domain For module list, see <i>CICS for MVS/ESA Messages and Codes</i>
AXMB	DFHxxx	Error releasing a lock in transaction manager domain For module list, see <i>CICS for MVS/ESA Messages and Codes</i>
AXMC	DFHXMAT DFHXMxE	Severe error allocating unique transaction number to a new transaction
AXMD	DFHXMAB	Invalid attempt to run CICS internal task CSXM
AXMY	DFHXMAT	Error obtaining transaction class membership
AXMZ	DFHXMAT	Severe error detected by the transaction manager domain
AXSA	DFHXS MN	Security control task could not complete
AXSC	DFHXS MN	Task purged before GETMAIN completed successfully
AXSD	DFHTCRP	Error on call to storage manager domain
AXTA	DFHXTP	Calculation of data length to be shipped failed
AXTB	DFHXTP	Obtain of TIOA to ship data failed
AXTC	DFHXTP	Data transform failed
AXTD	DFHXTP	No TIOA received from remote system
AXTE	DFHXTP	Data received from remote system not long enough
AXTF	DFHXTP	No relay process FMH received from remote system
AXTG	DFHXTP	Data transform from remote system failed
AXTH	DFHXTP	Locate of terminal identifier failed
AXTI	DFHXTP	Major request byte LUCOPN0 invalid
AXTJ	DFHXTP	Unexpected combination of bit settings in XTSSTAT and XTSTCOPC
AXTK	DFHXTP	APPC conversation failed on attach between CICS systems
AXTL	DFHXTP	Wrong sync level for processing APPC mapped data
AXTM	DFHXTP	Wrong sync level for message—protected transaction
AXTN	DFHETL	Application buffer chained off TCTTE (offset TCTERCSA) has corrupted header
AXTO	DFHXTP	Exception response from CICS security manager
+ AXTP	DFHXTP	Exception response from DFHCCNV
+ AXTQ	DFHXTP	Exception response from DFHCCNV
+ AXTR	DFHXTP	Exception response from DFHPGLE
+		FUNCTION(Load_EXEC)
AZAA	DFHZARM	Logic error attempting to flush application deferred data on APPC mapped conversation
AZAB	DFHZARM	SEND DATA length greater than 65528
+ AZAD	DFHZCN1	DFHZCN1 started from an unexpected system
+ AZAE	DFHZCN1	DFHZCN1 started from terminal facility that is not LU6.2 session
+		

Abend codes

Abend	Module	Explanation
+ AZAF	DFHZCN1	Environment wrong or client achitecture violated for CCIN transaction
+ AZAG	DFHZCT1	DFHZCT1 started from an unexpected system
+ AZAH	DFHZCT1	DFHZCT1 started from terminal facility that is not LU6.2 session
+ AZAI	DFHZCT1	Environment wrong or client achitecture violated for CTIN transaction
+ AZAJ	DFHZCN1	CCIN defined as remote transaction - must be local
+ AZAK	DFHZCT1	CTIN defined as remote transaction - must be local
AZCA	DFHZARM	DFHZARM conversation state conflict
AZCB	DFHZARM	Sense code X'088901xx' received during APPC mapped processing
AZCC	DFHZARM	Unsupported function management data
AZCD	DFHETL	DFHZARM invalid data length received
AZCE	DFHETL DFHZARM	Application data length to be received exceeds 65000
AZCF	DFHZARM	Invalid request to DFHZARL
AZCG	DFHZARM	Invalid TCTTE
AZCH	DFHETL	Unexpected sense code X'0889xxxx' received while processing APPC mapped data
AZCI	DFHETL DFHZARM DFHZARQ	Invalid sync level
AZCJ	DFHZARM	System does not support APPC structured field with null data
AZCK	DFHZARM	Internal logic error in error recovery for APPC mapped processing
AZCL	DFHZARM	Sense code X'088901xx' received during APPC mapped processing
AZCM	DFHZARM	Error on call to storage manager domain
AZCN	DFHZARM	Task purged before GETMAIN completed successfully
AZCP	DFHZUP	Logic error in ZCP
AZCR	DFHZARL	Error during APPC SYNCPOINT ROLLBACK request
AZCT	DFHZARQ	Terminal read time-out has occurred
AZCU	DFHZCOVR	Invalid attempt to start COVR transaction
AZCV	DFHZCOVR	Logic error in COVR transaction connecting to VTAM
AZCW	DFHZCSTP	Invalid attempt to run CICS internal task CSTP
AZIA	DFHZIS2	Transaction request for storage during MRO processing invalid
AZIB	DFHZIS2	Transaction purged while waiting for storage
AZIC	DFHZIS2	Error on call to storage manager domain to FREEMAIN
AZID	DFHZIS2	PURGED condition on call to storage manager domain to FREEMAIN

Abend codes

Abend	Module	Explanation
AZIE	DFHZARQ	IRC ISSUE-ERROR or ISSUE-ABEND violated IRC protocols
+ AZI0	DFHZCGRP	Invalid attempt to invoke CGRP with terminal as principle facility
+ AZI1	DFHZARQ	IRC data transmission protocol violated
AZI2	DFHZARQ	IRC data transmission cannot complete
AZI3	DFHZARQ	Conversation failed
AZI4	DFHZARQ	IRC link to connected transaction down
AZI5	DFHZARQ	IRC data transmission violated IRC protocols
AZI6	DFHZARQ	IRC connected transaction abnormally terminated
AZI7	DFHZIS2	Wait during MRO request rejected by CICS dispatcher
AZI8	DFHZIS1	Incorrect format for error log data
AZI9	DFHZIS2	Failing transaction purged during wait
AZRA	DFHZARRC	FMH address missing from APPC receive buffer
AZRB	DFHZARR0	First parameter is invalid in call to DFHZARR0
AZRD	DFHZARR0	APPC logical and physical receive buffers are out of step
AZRE	DFHZARR0	Logical APPC receive buffer starts outside physical buffer
AZRF	DFHZARRF	Invalid state error returned from DFHZUSR state machine
AZRG	DFHZARR	Invalid state error returned from DFHZUSR state machine
AZRH	DFHZARR	Invalid RECEIVE_TYPE in DFHZARR
AZRI	DFHZARR1	Invalid parameter passed to DFHZARR1
AZRJ	DFHZARR0	APPC record length exceeds receive buffer
AZRK	DFHZARRF	Invalid combination of fields in DFHLUC parameter list
AZRL	DFHZARRF	First parameter invalid in call to DFHZARRF
AZRM	DFHZARR	DFHZARR called one of its own routines at wrong time
AZRN	DFHZARRF	DFHLUC parameter list does not have LUCCIERR set on
AZRO	DFHZARER	First parameter invalid in call to DFHZARER
AZRP	DFHZARER	Invalid response from DFHZNAC
AZRQ	DFHZARRA	Invalid parameter in call to DFHZARRA
AZRR	DFHZARRA	Corrupted header in application buffer
AZRS	DFHZARRA	DFHZARRA cannot acquire main memory
AZRT	DFHZARRA	Invalid application buffer
AZRU	DFHZARRF	Unexpected response from DFHZARR0
AZRV	DFHZARR1	Unexpected response from DFHZARR0
AZRW	DFHZARRA	Negative record length in the TCTTE
AZRY	DFHZARR	Unexpected response from DFHZARRC
AZRZ	DFHZARR	Unexpected response from an internal subroutine
AZR2	DFHZARRA	DFHZARRA can not acquire main memory
AZR3	DFHZARRA	Task purged during GETMAIN request
AZR4	DFHZARER	Unexpected response from dispatcher domain call

Abend codes

Abend	Module	Explanation
AZR5	DFHZARR1	Unexpected response from dispatcher domain call
AZS0	DFHZSTAP	DFHZSTAM macro passed invalid request
AZS1	DFHZSTAP	No TCTTE pointer passed via DFHZSTAM macro
AZS2	DFHZSTAP	TCTTE passed via DFHZSTAM does not relate to MRO or APPC conversation
AZS3	DFHZSTAP	No LUCX found for an APPC TCTTE
AZS4	DFHZSTAP	DFHZUSRM LUC State Machine has invalid setting
AZS5	DFHZSTAP	Internal State number has invalid setting
AZS6	DFHZSTAP	Internal State number has invalid setting
AZTA	DFHZTSP	Task does not own terminal as principal facility
AZTB	DFHZTSP	Attempt to delete/install remote terminal failed
AZTC	DFHZTSP	Failure of remote terminal install, or delete caused by SOS condition
AZTF	DFHZTSP	TCTTE length error due to storage violation, or CICS logic error
AZTG	DFHZTSP	Principal facility not intersystem TCTTE
AZTH	DFHZTSP	Error response from remote terminal control macro
AZTI	DFHZTSP	Terminal not defined as remotely owned
AZTL	DFHZTSP	Request to invalid terminal
AZTM	DFHZTSP	Data has no FMH
AZTN	DFHZTSP	Conversation unexpectedly terminated
AZTO	DFHZTSP	TCTTE ownership chain in error
AZTP	DFHZTSP	BMS TYPE=STORE request failed
AZTQ	DFHZTSP	Invalid BMS data received from remote system
AZTR	DFHZTSP	BMS TYPE=PAGEOUT request failed
AZTS	DFHZTSP	Data ship to remote system failed
AZTU	DFHZTSP	Link TCTTE not owned by task after syncpoint
AZTV	DFHZTSP	Invalid FMH received from remote system
AZTW	DFHZTSP	Attach request to task already running
AZTY	DFHZTSP	Maximum APPC sessions limit reached
AZTZ	DFHZTSP	Relay program DFHCRT attached in unsupported manner
AZT1	DFHZTSP	Task attached improperly in AOR when transaction routing
AZT3	DFHZTSP	Task is being routed back to region from where it came
AZVA	DFHZATS	Time-out while waiting for service transaction CITS
AZVB	DFHZATS	DFHZCQ failed to create remote terminal definition
AZVC	DFHZATS	Unexpected error in DFHZATS
AZVD	DFHZATS	Unexpected error in install procedure of DFHZATS
AZVE	DFHZATS	Terminal has same ID as existing TCT entry
AZVF	DFHZATS	An attempt was made to start CITS/CDTS/CMTS/CFTS from a terminal
AZVG	DFHZATS	Error in remote delete routines
AZVH	DFHZATS	Error in remote delete routine while processing mass delete
AZVI	DFHZATS	Error in remote delete routine while processing single delete

Abend codes

Abend	Module	Explanation
AZVJ	DFHZATS	Error in mass deletion of remote terminals
AZVK	DFHZATS	Unexpected return code during deletion of single terminal
AZVL	DFHZATS	Error in mass flag routine of remote terminals for deletion
AZVM	DFHZATMF	Error in DFHZATMF
AZVN	DFHZATMF	CRMF started directly from terminal
AZVO	DFHZATMD	CRMD started directly from terminal
AZVP	DFHZATMD	Error in DFHZATMD
+ AZVQ	DFHZATS	Autoinstall user program has issued an invalid return code
+ AZVR	DFHZATS	Autoinstall user program has issued an invalid return code
+ AZVS	DFHZATS	Error in the autoinstall user program
AZXA	DFHZXCU	Catch-up program finds unexpected error, reason code 5
AZXB	DFHZXCU	Catch-up program finds unexpected error, reason code 4
DSNC		DB2 abend code
DHxx	DFHEDP	EXEC DL/I error or invalid status code (xx)
0100	DFHEAP DFHECP DFHEDP DFHEPP	Translator error opening listing data set
0101	DFHEAP DFHECP DFHEDP DFHEPP	Translator program check
0211	DFHPD410	Recursive program check in system dump
0212	DFHPD410	Too many program checks in system dump
0300	DFHCSDUP	SYSIN data set failed to open successfully
0301	DFHCSDUP	Invalid RECFM in SYSIN DD statement
0302	DFHCSDUP	Invalid record length in SYSIN DD statement
0303	DFHCSDUP	SYSPRINT data set has not opened successfully
0330	DFHCSDUP	Cross-reference table size too small
0401	DFHXCSTB	EXCI call made in AMODE 24
0402	DFHXCPRH	Nonzero return code following MVS ESTAE issued by DFHXCPRH
0403	DFHXCPRH	Nonzero return code following MVS GETMAIN request by DFHXCPRH
0404	DFHXCPRH	EXCI dump services not available to take MVS SDUMP
0405	DFHXCPRH	Failure of SSI VERIFY request by DFHXCPRH
0406	DFHXCPRH	Failure of CICS SVC call during EXCI initialization
0407	DFHXCPRH	CICS SVC at the wrong level for EXCI
0408	DFHXCPRH	Failure of MVS GETMAIN request by DFHXCPRH for working storage

Abend codes

Abend	Module	Explanation
0409	DFHXCPRH	Failure of MVS GETMAIN request by DFHXCPRH for SSI VERIFY
0410	DFHXCPRH	Failure of MVS GETMAIN request by DFHXCPRH for XCUSER block
0411	DFHXCDMP	Failure of CICS SVC call by DFHXCDMP
0412	DFHXCEIP	Invalid function in EXEC parameter list of EXCI EXEC API request
0413	DFHEIP	Error in EXEC parameter list of EXCI EXEC API request
0414	DFHXCEIP	Nonzero return code following MVS ESTAE issued by DFHXCEIP
0415	DFHXCEIP	Error in EXCI initialization detected by DFHXCEIP

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 *xxx* in the associated COBOL II run-time message, IZ*xxx*l.

COBOL II run-time messages are described in the *VS COBOL II Application Program Debugging Guide*, SC26-4049.

Abend codes

VTAM

Chapter 11. VTAM-associated errors

This section lists the terminal error codes from VTAM.

VTAM terminal error codes/CICS message numbers - by error code

Terminal error codes from VTAM are put in a one-byte field of the DFHZNAC COMMAREA (DFHNEPCA) at label TWAEC.

For those error codes that have CICS messages associated with them, you should see the *CICS for MVS/ESA Messages and Codes* for descriptions of the corresponding error conditions.

CICS message	Action flags set	Error code	Symbolic label
DFHZC2405	18	X'10'	TCZSRCTU
DFHZC2403	2 5 18 24	X'11'	TCZSRCBF
DFHZC2416	18 24	X'13'	TCZSRCVH
DFHZC2404	2 3 9 10 11 23 24	X'14'	TCZLRCER
DFHZC2407	2 3 9 10 11 18 24	X'15'	TCZSRCPF
DFHZC3492		X'16'	TCZDMIT
DFHZC2404	2 3 9 10 11 23 24	X'18'	TCZLRCNR
DFHZC2406	9 10 11 18	X'19'	TCZSRCTS
DFHZC2408	2 3 9 10 11 18 24	X'1A'	TCZSRCVE
DFHZC2417	2 24	X'1D'	TCZSRCVI
DFHZC2408	2 3 9 10 11 18 24	X'1E'	TCZSRCV2
DFHZC2417		X'20'	TCZVTAMI
DFHZC4902	3 9 10 11 24	X'21'	TCZLUCF1
DFHZC4903	3 9 10 11 24	X'22'	TCZLUCF2
DFHZC4904	3 9 10 11 24	X'23'	TCZFMSBE
DFHZC4905	3 9 10 11 24	X'24'	TCZFSMCS

VTAM

CICS message	Action flags set	Error code	Symbolic label
DFHZA4906	3 9 10 11 24	X'25'	TCZF5MCR
DFHZA4907	3 9 10 11 24	X'26'	TCZ5DLER
DFHZA4909	3 9 10 11 24	X'28'	TCZRVLER
DFHZA4910	3 9 10 11 24	X'29'	TCZRVLRB
DFHZA4911	2 3 9 10 11 24	X'2A'	TCZRLPEX
DFHZA4912	2 3 9 10 11 24	X'2B'	TCZRLPBD
DFHZA4913	2 3 9 10 11 24	X'2C'	TCZRLPDR
DFHZA4914	2 3 9 10 11 24	X'2D'	TCZRLPIL
DFHZA4915	2 3 9 10 11 24	X'2E'	TCZRLPEC
DFHZA4916	2 3 9 10 11 24	X'2F'	TCZRLPRR
DFHZA4917	2 3 9 10 11 24	X'30'	TCZRLPIF
DFHZA4918	2 3 9 10 11 24	X'31'	TCZRLPIR
DFHZA4922	24	X'32'	TCZRLXCL
DFHZA4919	2 3 9 10 11 24	X'33'	TCZIVIND
DFHZA4920	2 3 9 10 11 24	X'34'	TCZIVDAT
DFHZA4930	2 3 9 10 11 24	X'35'	TCZRTMT
DFHZA3470	9 10 11 24	X'37'	TCZXSHRA
DFHZA6596	2 3 15 24	X'38'	TCZXSWAS
DFHZA6595	2 3 5 24	X'39'	TCZX5ABN
DFHZA6594	24	X'3A'	TCZXSHR
DFHZA6593		X'3B'	TCZX5BC
DFHZA3488	2 3 9 10 11 18 24	X'3C'	TCZXUVAR
DFHZA6591	9 10 11 15 24	X'3E'	TCZXERR
DFHZA6590		X'3F'	TCZXRST

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CICS message	Action flags set	Error code	Symbolic label
DFHZC2489	3 9 11	X'40'	TCZINCPY
DFHZC2490	2 3 9 10 11 15 24	X'41'	TCZTOLRQ
DFHZC2497		X'42'	TCZUNPRT
DFHZC2434	3 11	X'43'	TCZCPYNS
DFHZC2456	2 3 9 10 11 18 24	X'44'	TCZSRCDE
DFHZC3400	3 10 11 22	X'45'	TCZCHMX
DFHZC3402	3 9 10 11	X'46'	TCZOCIR
DFHZC3461		X'48'	TCZOPSIN
DFHZC3462		X'49'	TCZCLSIN
DFHZC3463		X'4A'	TCZOPACB
DFHZC2498		X'4B'	TCZICPUT
DFHZC3481	2 3 9 10 11 24	X'4C'	TCZDSPCL
DFHZC3473		X'4D'	TCZSLSRL
DFHZC3479	2 3 9 10 11 24	X'4E'	TCZUNBFE
DFHZC3417	3 9 10 11 24	X'50'	TCZSDRE3
DFHZC3418	3 9 10 11 24	X'51'	TCZBDPRI
DFHZC3419	2 3 5	X'52'	TCZBDUAC
DFHZC3420	20	X'53'	TCZBDTOS
DFHZC3434	2 3 9 10 11 24	X'54'	TCZUNBIS
DFHZC3440		X'55'	TCZEMWBK
DFHZC6598		X'56'	TCZXRFSV
DFHZC3464	20	X'57'	TCZRELIS
DFHZC3433		X'58'	TCZERMGR
DFHZC2443	2 3 9 10 11 24	X'59'	TCZROCT

VTAM

CICS message	Action flags set	Error code	Symbolic label
DFHZC3421	20	X'5A'	TCZSBIRV
DFHZC3422	2 3 9 10 11 18 24	X'5B'	TCZNSP01
DFHZC3424	9 10 11 15 24	X'5C'	TCZNSP02
DFHZC0101		X'5D'	TCZPRDTO
DFHZC3454	2 3 5 18 24	X'5E'	TCZBRUAC
DFHZC3455	2 3 5 18 24	X'5F'	TCZBDSQP
DFHZC2421	2 3 9 10 11 24	X'60'	TCZUNCMD
DFHZC3441		X'63'	TCZVTAMO
DFHZC3443		X'64'	TCZVTAMA
DFHZC2448	2 3 10 11 22 23 24	X'65'	TCZINVR
DFHZC3452		X'66'	TCZSIGR
DFHZC3442		X'67'	TCZVTAMK
DFHZC3466	20 23	X'69'	TCZSEXOS
DFHZC3444	1 2 3 9 10 11 24	X'6A'	TCZTIOAE
DFHZC3495	24	X'6B'	TCZNOTNA
DFHZC0155	3 6 9 10 11 24	X'6C'	TCZPSAF
DFHZC0156		X'6D'	TCZPSAR
+ DFHZC2351	2 3	X'6F'	TCZSDAS
DFHZC3468	9 10 11 15 24	X'70'	TCZCLRRV
DFHZC0147	3 6 9 10 11 24	X'71'	TCZPSLE
DFHZC0148	9 10 11 24	X'72'	TCZPSVF
DFHZC2437	3 9 11	X'73'	TCZSDSE4
DFHZC2423	3 9 10 11 24	X'74'	TCZSDSE5
DFHZC2424	3 9 10 11 15 24	X'75'	TCZSESE1

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CICS message	Action flags set	Error code	Symbolic label
DFHZC2487	3	X'76'	TCZLGNA
DFHZC2488		X'77'	TCZDMRY
DFHZC2430	3 9 11 22	X'78'	TCZSDRE2
DFHZC0145	3 6 9 10 11 24	X'79'	TCZPSRAF
DFHZC0144	11	X'7A'	TCZPSRAC
+ DFHZC4949	2 3 9 10 11 24	X'7D'	TCZRABUS
DFHZC2414		X'80'	TCZSRCSP
DFHZC2432		X'81'	TCZSSXNR
DFHZC2419	2 3 9 10 11 23 24	X'82'	TCZSSXUC
DFHZC2450		X'83'	TCZSSXAR
DFHZC2446	2 3 9 10 11 23 24	X'84'	TCZSSXIB
DFHZC3409	2 3 9 10 11 23 24	X'85'	TCZUNEGR
DFHZC2467	2 3 9 10 11 23 24	X'88'	TCZLEXCI
DFHZC2468	2 3 9 10 11 24	X'89'	TCZLEXUS
DFHZC4937	2 3 5 24	X'8A'	TCZLUSRR
DFHZC4938	2 3 5 24	X'8B'	TCZLUSRF
DFHZC4939	2 3 5 24	X'8C'	TCZLUPUN
DFHZC4941	2 3 5 24	X'8D'	TCZLUPLK
DFHZC4942	2 3 5 24	X'8E'	TCZLUPEX
DFHZC4940	2 3 5 24	X'8F'	TCZLUSKN
DFHZC2422	1 2 3 6 9 10 11	X'90'	TCZLGCER
DFHZC2429	3 10 11	X'91'	TCZRSTLE
DFHZC2428	3 9 11	X'92'	TCZSDSE6
DFHZC2455	2 3 9 10 11	X'93'	TCZRACET

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CICS message	Action flags set	Error code	Symbolic label
DFHZC2426	2 3 9 10 11 22	X'94'	TCZRACES
DFHZC2445	3 9 11	X'95'	TCZSDSE8
DFHZC2435	3 10 11 24	X'96'	TCZRVSZ1
DFHZC2436	3 10 11	X'97'	TCZRVSZ3
DFHZC2439	2 18	X'98'	TCZACT01
DFHZC2459	3 9 11	X'99'	TCZSDSE7
DFHZC2447	3 9 10 11 23	X'9A'	TCZDOMCF
DFHZC2486	3	X'9B'	TCZRACNL
DFHZC3465	1 2 3 9 10 11 23	X'9D'	TCZRSPER
DFHZC3472		X'9E'	TCZDEVND
DFHZC3480	23 24	X'A0'	TCZNOISC
DFHZC2438	3 10 11	X'A1'	TCZRVSZ2
DFHZC4945	3 9 10 11 24	X'A2'	TCZPRGE
DFHZC2444	2 3 9 10 11 24	X'A3'	TCZBKTSE
DFHZC2449	2 3 11 22 24 18	X'A7'	TCZBOEB
DFHZC2471	2 3 4 10 11 22 24	X'A8'	TCZFMHLE
DFHZC2472	11	X'A9'	TCZRACRF
DFHZC2473	3 9 11	X'AA'	TCZSDSE9
DFHZC3470	9 10 11 24	X'AB'	TCZLUERR
DFHZC3474	9 10 11 24	X'AC'	TCZVRDAC
DFHZC3475	9 10 11 24	X'AD'	TCZNRLUF
DFHZC3476	9 10 11 24	X'AE'	TCZRCLUF
DFHZC3477	9 10 11 24	X'AF'	TCZCLEAN
DFHZC3491	15 24	X'B0'	TCZEXRO

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CICS message	Action flags set	Error code	Symbolic label
DFHZC2401	2 3 9 10 11 23 24	X'B1'	TCZRPLAC
DFHZC2425	3 9 10 11 15 24	X'B2'	TCZSDAUC
DFHZC4929	2 3 5 24	X'B3'	TCZBDBND
DFHZC2402	3 11	X'B4'	TCZRSNE
DFHZC2420	2 3 9 10 11 23 24	X'B5'	TCZSAXUC
DFHZC4924	2 3 5 24	X'B6'	TCZNSEED
DFHZC4925	2 3 5 24	X'B7'	TCZASINC
DFHZC4926	2 3 5 24	X'B8'	TCZEVBAD
DFHZC4927	2 3 5 24	X'B9'	TCZFMH12
DFHZC2418	2 3 9 10 11 23 24	X'BB'	TCZSEXUC
DFHZC3410	2 3 9 10 11	X'BC'	TCZINIIR
DFHZC4928	24	X'BD'	TCZDESGM
DFHZC4944	2 3 5 24	X'BE'	TCZBFAIL
DFHZC3490	24	X'BF'	TCZCPFAL
DFHZC3499		X'CO'	TCZDWEGF
DFHZC2400	2 3 9 10 11 23 24	X'C1'	TCZSRCAT
DFHZC3486	24	X'C2'	TCZLUINP
DFHZC2427	2	X'C5'	TCZSRCNA
DFHZC3484		X'C6'	TCZPASSD
DFHZC3485	24	X'C7'	TCZPSPRE
DFHZC3489	18 24	X'C8'	TCZLUINH
DFHZC3487	24	X'C9'	TCZNPSAU
DFHZC2431	2 3 9 10 11	X'CB'	TCZSRCTC
DFHZC2451	2 3 9 10 11	X'CC'	TCZSRCCI

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CICS message	Action flags set	Error code	Symbolic label
DFHZC2454	2 3 9 10 11	X'CD'	TCZSRCCX
DFHZC3469	9 10 11 24	X'CE'	TCZVHOLD
DFHZC3471	9 10 11 24	X'CF'	TCZVRNOP
DFHZC2409	2 3 9 10 11 15 24	X'D0'	TCZTXCS
DFHZC2410	2 3 9 10 11 18 24	X'D1'	TCZTXCU
DFHZC2463		X'D3'	TCZDMPD
+ DFHZC2453	1 2 3 9 10 11	X'D4'	TCZCXRR
DFHZC2452	3 9 10 11 18 24	X'D5'	TCZCXE2
DFHZC2441		X'D6'	TCZSXC2
DFHZC2440		X'D7'	TCZSXC1
DFHZC2457	2 3 9 10 11 24	X'D8'	TCZRNCH
DFHZC2469	2 3 9 10 11	X'D9'	TCZYX43
DFHZC2470	9 10 11 24	X'DA'	TCZSXC3
+ DFHZC2117	9 10 11 23 24	X'DB'	TCZPIPL
DFHZC2442		X'DC'	TCZPXE1
DFHZC2458		X'DD'	TCZPXE2
DFHZC3482		X'DF'	TCZDMGF
DFHZC2411		X'E0'	TCZDMSN
DFHZC2412		X'E1'	TCZDMRA
DFHZC2413	2	X'E2'	TCZDMCL
DFHZC2485	3 9 10 11	X'E3'	TCZCNCL
DFHZC2433		X'E4'	TCZAIER
DFHZC2404		X'E6'	TCZDMLG
DFHZC3416	2 3	X'E8'	TCZDMSLE

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CICS message	Action flags set	Error code	Symbolic label
DFHZC2102	3	X'E9'	TCZSTIND
DFHZC3432	2 3	X'EA'	TCZSTLER
DFHZC3428	3	X'EB'	TCZSTRMH
DFHZC3429	2 3	X'EC'	TCZSTRMM
DFHZC3430	2 3	X'ED'	TCZSTON
DFHZC3431	2 3	X'EF'	TCZSTIN
DFHZC4931	18 24	X'F1'	TCZBDMOD
DFHZC2469	2 3 9 10 11	X'F2'	TCZEXRVT
DFHZC4932	2 3 24	X'F3'	TCZICTYP
DFHZC4933	2 3 24	X'F4'	TCZIDBA
DFHZC4934	2 3 24	X'F5'	TCZISYNL
DFHZC4935	2 3 24	X'F6'	TCZIUOW
DFHZC4936	2 3 24	X'F7'	TCZIFMHL
DFHZC4943	3 9 10 11 24	X'F8'	TCZFSMRB
DFHZC4946	2 3 24	X'F9'	TCZINVAT
DFHZC4947	2 3 24	X'FA'	TCZLUSEC
DFHZC0125		X'FB'	TCZPSUNB
DFHZC0131		X'FC'	TCZPSOPN
DFHZC0146		X'FD'	TCZPSRC
DFHZC0150	3 6 9 10 11 15 24	X'FE'	TCZPSRF
DFHZC0149		X'FF'	TCZPSPE

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CICS message numbers with symbolic labels and error codes

CICS message	Error code	Symbolic label	Action flags set
+ DFHZA0101	X'5D'	TCZPRDTP	
+ DFHZA0125	X'FB'	TCZPSUNB	
+ DFHZA0131	X'FC'	TCZPSOPN	
+ DFHZA0144	X'7A'	TCZPSRAC	11
+ DFHZA0145	X'79'	TCZPSRAF	3 6 9 10 11 24
+ DFHZA0146	X'FD'	TCZPSRC	
+ DFHZA0147	X'71'	TCZPSLE	3 6 9 10 11 24
+ DFHZA0148	X'72'	TCZPSVF	9 10 11 24
+ DFHZA0149	X'FF'	TCZPSPE	
+ DFHZA0150	X'FE'	TCZPSRF	3 6 9 10 11 15 24
+ DFHZA0155	X'6C'	TCZPSAF	3 6 9 10 11 24
+ DFHZA0156	X'6D'	TCZPSAR	
+ DFHZA2102	X'E9'	TCZSTIND	3
+ DFHZA2400	X'C1'	TCZSRCAT	2 3 9 10 11 23 24
+ DFHZA2401	X'B1'	TCZRPLAC	2 3 9 10 11 24 23
+ DFHZA2402	X'B4'	TCZRSNE	3 11
+ DFHZA2403	X'11'	TCZSRCBF	2 5 18 24
+ DFHZA2404	X'14'	TCZLRCER	2 3 9 10 11 23 24
+ DFHZA2404	X'18'	TCZLRCNR	2 3 9 10 11 23 24
+ DFHZA2404	X'E6'	TCZDMLG	
+ DFHZA2405	X'10'	TCZSRCTU	18
+ DFHZA2406	X'19'	TCZSRCTS	9 10 11 18
+ DFHZA2407	X'15'	TCZSRCPF	2 3 9 10 11 18 24
+ DFHZA2408	X'1A'	TCZSRCVE	2 3 9 10 11 18 24
+ DFHZA2408	X'1E'	TCZSRCV2	2 3 9 10 11 18 24
+ DFHZA2409	X'D0'	TCZTXCS	2 3 9 10 11 15 24
+ DFHZA2410	X'D1'	TCZTXCU	2 3 9 10 11 18 24
+ DFHZA2411	X'E0'	TCZDMSN	
+ DFHZA2412	X'E1'	TCZDMRA	

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CICS message	Error code	Symbolic label	Action flags set
+ DFHZC2413	X'E2'	TCZDMCL	2
+ DFHZC2414	X'80'	TCZSRCSP	
+ DFHZC2416	X'13'	TCZSRCVH	18 24
+ DFHZC2417	X'1D'	TCZSRCVI	2 24
+ DFHZC2417	X'20'	TCZVTAMI	
+ DFHZC2418	X'BB'	TCZSEXUC	2 3 9 10 11 23 24
+ DFHZC2419	X'82'	TCZSSXUC	2 3 9 10 11 23 24
+ DFHZC2420	X'B5'	TCZSAXUC	2 3 9 10 11 23 24
+ DFHZC2421	X'60'	TCZUNCMD	2 3 9 10 11 24
+ DFHZC2422	X'90'	TCZLGCER	1 2 3 6 9 10 11
+ DFHZC2423	X'74'	TCZSDSE5	3 9 10 11 24
+ DFHZC2424	X'75'	TCZSESE1	3 9 10 11 15 24
+ DFHZC2425	X'B2'	TCZSDAUC	3 9 10 11 15 24
+ DFHZC2426	X'94'	TCZRACES	2 3 9 10 11 22
+ DFHZC2427	X'C5'	TCZSRCNA	2
+ DFHZC2428	X'92'	TCZSDSE6	3 9 11
+ DFHZC2429	X'91'	TCZRSTLE	3 10 11
+ DFHZC2430	X'78'	TCZSDRE2	3 9 11 22
+ DFHZC2431	X'CB'	TCZSRCTC	2 3 9 10 11
+ DFHZC2432	X'81'	TCZSSXNR	
+ DFHZC2433	X'E4'	TCZAIER	
+ DFHZC2434	X'43'	TCZCPYNS	3 11
+ DFHZC2435	X'96'	TCZRVSZ1	3 10 11 24
+ DFHZC2436	X'97'	TCZRVSZ3	3 10 11
+ DFHZC2437	X'73'	TCZSDSE4	3 9 11
+ DFHZC2438	X'A1'	TCZRVSZ2	3 10 11
+ DFHZC2439	X'98'	TCZACT01	2 18
+ DFHZC2440	X'D7'	TCZSXC1	
+ DFHZC2441	X'D6'	TCZSXC2	
+ DFHZC2442	X'DC'	TCZPX1	

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CICS message	Error code	Symbolic label	Action flags set
+ DFHZC2443	X'59'	TCZROCT	2 3 9 10 11 24
+ DFHZC2444	X'A3'	TCZBKTSE	2 3 9 10 11 24
+ DFHZC2445	X'95'	TCZSDSE8	3 9 11
+ DFHZC2446	X'84'	TCZSSXIB	2 3 9 10 11 23 24
+ DFHZC2447	X'9A'	TCZDOMCF	3 9 10 11 23
+ DFHZC2448	X'65'	TCZINVRR	2 3 10 11 22 23 24
+ DFHZC2449	X'A7'	TCZBOEB	2 3 11 18 22 24
+ DFHZC2450	X'83'	TCZSSXAR	
+ DFHZC2451	X'CC'	TCZSRCCI	2 3 9 10 11
+ DFHZC2452	X'D5'	TCZCXE2	3 9 10 11 18 24
+ DFHZC2453	X'D4'	TCZCXRR	1 2 3 9 10 11
+ DFHZC2454	X'CD'	TCZSRCCX	2 3 9 10 11
+ DFHZC2455	X'93'	TCZRACET	2 3 9 10 11
+ DFHZC2456	X'44'	TCZSRCDE	2 3 9 10 11 18 24
+ DFHZC2457	X'D8'	TCZRNCH	2 3 9 10 11 24
+ DFHZC2458	X'DD'	TCZPXE2	
+ DFHZC2459	X'99'	TCZSDSE7	3 9 11
+ DFHZC2463	X'D3'	TCZDMPD	
+ DFHZC2467	X'88'	TCZLEXCI	2 3 9 10 11 23 24
+ DFHZC2468	X'89'	TCZLEXUS	2 3 9 10 11 24
+ DFHZC2469	X'D9'	TCZYX43	2 3 9 10 11
+ DFHZC2469	X'F2'	TCZEXRVT	2 3 9 10 11
+ DFHZC2470	X'DA'	TCZSXC3	9 10 11 24
+ DFHZC2471	X'A8'	TCZFMHLE	2 3 4 10 11 22 24
+ DFHZC2472	X'A9'	TCZRACRF	11
+ DFHZC2473	X'AA'	TCZSDSE9	3 9 11

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CICS message	Error code	Symbolic label	Action flags set
+ DFHZC2485	X'E3'	TCZCNCL	3 9 10 11
+ DFHZC2486	X'9B'	TCZRACNL	3
+ DFHZC2487	X'76'	TCZLGNA	3
+ DFHZC2488	X'77'	TCZDMRY	
+ DFHZC2489	X'40'	TCZINCPY	3 9 11
+ DFHZC2490	X'41'	TCZTOLRQ	2 3 9 10 11 15 24
+ DFHZC2497	X'42'	TCZUNPRT	
+ DFHZC2498	X'4B'	TCZICPUT	
+ DFHZC3400	X'45'	TCZCHMX	3 10 11 22
+ DFHZC3402	X'46'	TCZOCIR	3 9 10 11
+ DFHZC3409	X'85'	TCZUNEGR	2 3 9 10 11 23 24
+ DFHZC3410	X'BC'	TCZINIIR	2 3 9 10 11
+ DFHZC3416	X'E8'	TCZDMSLE	2 3
+ DFHZC3417	X'50'	TCZSDRE3	3 9 10 11 24
+ DFHZC3418	X'51'	TCZBDPRI	3 9 10 11 24
+ DFHZC3419	X'52'	TCZBDUAC	2 3 5
+ DFHZC3420	X'53'	TCZBDTOS	20
+ DFHZC3421	X'5A'	TCZSBIRV	20
+ DFHZC3422	X'5B'	TCZNSP01	2 3 9 10 11 18 24
+ DFHZC3424	X'5C'	TCZNSP02	9 10 11 15 24
+ DFHZC3428	X'EB'	TCZSTRMH	3
+ DFHZC3429	X'EC'	TCZSTRMM	2 3
+ DFHZC3430	X'ED'	TCZSTON	2 3
+ DFHZC3431	X'EF'	TCZSTIN	2 3
+ DFHZC3432	X'EA'	TCZSTLER	2 3
+ DFHZC3433	X'58'	TCZERMGR	
+ DFHZC3434	X'54'	TCZUNBIS	2 3 9 10 11 24
+ DFHZC3440	X'55'	TCZEMWBK	
+ DFHZC3441	X'63'	TCZVTAMO	
+ DFHZC3442	X'67'	TCZVTAMK	
+ DFHZC3443	X'64'	TCZVTAMA	
+ DFHZC3444	X'6A'	TCZTIOAE	1 2 3 9 10 11 24
+ DFHZC3452	X'66'	TCZSIGR	
+ DFHZC3454	X'5E'	TCZBRUAC	2 3 5 18 24

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CICS message	Error code	Symbolic label	Action flags set
+ DFHZC3455	X'5F'	TCZBDSQP	2 3 5 18 24
+ DFHZC3461	X'48'	TCZOPSIN	
+ DFHZC3462	X'49'	TCZCLSIN	
+ DFHZC3463	X'4A'	TCZOPACB	
+ DFHZC3464	X'57'	TCZRELIS	20
+ DFHZC3465	X'9D'	TCZRSPER	1 2 3 9 10 11 23
+ DFHZC3466	X'69'	TCZSEXOS	20 23
+ DFHZC3468	X'70'	TCZCLRRV	9 10 11 15 24
+ DFHZC3469	X'CE'	TCZVHOLD	9 10 11 24
+ DFHZC3470	X'37'	TCZXSHRA	9 10 11 24
+ DFHZC3470	X'AB'	TCZLUERR	9 10 11 24
+ DFHZC3471	X'CF'	TCZVRNOP	9 10 11 24
+ DFHZC3472	X'9E'	TCZDEVND	
+ DFHZC3473	X'4D'	TCZLSRL	
+ DFHZC3474	X'AC'	TCZVRDAC	9 10 11 24
+ DFHZC3475	X'AD'	TCZNRLUF	9 10 11 24
+ DFHZC3476	X'AE'	TCZRCLUF	9 10 11 24
+ DFHZC3477	X'AF'	TCZCLEAN	9 10 11 24
+ DFHZC3479	X'4E'	TCZUNBFE	2 3 9 10 11 24
+ DFHZC3480	X'A0'	TCZNOISC	23 24
+ DFHZC3481	X'4C'	TCZDSPCL	2 3 9 10 11 24
+ DFHZC3482	X'DF'	TCZDMGF	
+ DFHZC3484	X'C6'	TCZPASSD	
+ DFHZC3485	X'C7'	TCZPSPRE	24
+ DFHZC3486	X'C2'	TCZLUINP	24
+ DFHZC3487	X'C9'	TCZNPSAU	24
+ DFHZC3488	X'3C'	TCZXUVAR	2 3 9 10 11 18 24
+ DFHZC3489	X'C8'	TCZLUINH	18 24
+ DFHZC3490	X'BF'	TCZCPFAL	24
+ DFHZC3491	X'B0'	TCZEXRO	15 24

VTAM

CICS message	Error code	Symbolic label	Action flags set
+ DFHXC3492	X'16'	TCZDMIT	
+ DFHXC3495	X'6B'	TCZNOTNA	24
+ DFHXC3499	X'C0'	TCZDWEFG	
+ DFHXC4902	X'21'	TCZLUCF1	3 9 10 11 24
+ DFHXC4903	X'22'	TCZLUCF2	3 9 10 11 24
+ DFHXC4904	X'23'	TCZFMSBE	3 9 10 11 24
+ DFHXC4905	X'24'	TCZFMSCS	3 9 10 11 24
+ DFHXC4906	X'25'	TCZFSMCR	3 9 10 11 24
+ DFHXC4907	X'26'	TCZSDLER	3 9 10 11 24
+ DFHXC4909	X'28'	TCZRVLER	3 9 10 11 24
+ DFHXC4910	X'29'	TCZRVLRB	3 9 10 11 24
+ DFHXC4911	X'2A'	TCZRLPEX	2 3 9 10 11 24
+ DFHXC4912	X'2B'	TCZRLPBD	2 3 9 10 11 24
+ DFHXC4913	X'2C'	TCZRLPDR	2 3 9 10 11 24
+ DFHXC4914	X'2D'	TCZRLPIL	2 3 9 10 11 24
+ DFHXC4915	X'2E'	TCZRLPEC	2 3 9 10 11 24
+ DFHXC4916	X'2F'	TCZRLPRR	2 3 9 10 11 24
+ DFHXC4917	X'30'	TCZRLPIF	2 3 9 10 11 24
+ DFHXC4918	X'31'	TCZRLPIR	2 3 9 10 11 24
+ DFHXC4919	X'33'	TCZIVIND	2 3 9 10 11 24
+ DFHXC4920	X'34'	TCZIVDAT	2 3 9 10 11 24
+ DFHXC4922	X'32'	TCZRLXCL	20
+ DFHXC4924	X'B6'	TCZNSEED	2 3 5 24
+ DFHXC4925	X'B7'	TCZASINC	2 3 5 24
+ DFHXC4926	X'B8'	TCZEVBAD	2 3 5 24
+ DFHXC4927	X'B9'	TCZFMH12	2 3 5 24

VTAM

CICS message	Error code	Symbolic label	Action flags set
+ DFHZC4928	X'BD'	TCZDESGM	24
+ DFHZC4929	X'B3'	TCZBDBND	2 3 5 24
+ DFHZC4930	X'35'	TCZRTMT	2 3 9 10 11 24
+ DFHZC4931	X'F1'	TCZBDMOD	18 24
+ DFHZC4932	X'F3'	TCZICTYP	2 3 24
+ DFHZC4933	X'F4'	TCZIDBA	2 3 24
+ DFHZC4934	X'F5'	TCZISYNL	2 3 24
+ DFHZC4935	X'F6'	TCZIUOW	2 3 24
+ DFHZC4936	X'F7'	TCZIFMHL	2 3 24
+ DFHZC4937	X'8A'	TCZLUSRR	2 3 5 24
+ DFHZC4938	X'8B'	TCZLUSRF	2 3 5 24
+ DFHZC4939	X'8C'	TCZLUPUN	2 3 5 24
+ DFHZC4940	X'8F'	TCZLUSKN	2 3 5 24
+ DFHZC4941	X'8D'	TCZLUPLK	2 3 5 24
+ DFHZC4942	X'8E'	TCZLUPEX	2 3 5 24
+ DFHZC4943	X'F8'	TCZFSMRB	3 9 10 11 24
+ DFHZC4944	X'BE'	TCZBFAIL	2 3 5 24
+ DFHZC4945	X'A2'	TCZPRGE	3 9 10 11 24
+ DFHZC4946	X'F9'	TCZINVAT	2 3 24
+ DFHZC4947	X'FA'	TCZLUSEC	2 3 24
+ DFHZC4949	X'7D'	TCZRABUS	2 3 9 10 11 24
+ DFHZC6590	X'3F'	TCZXRST	
+ DFHZC6591	X'3E'	TCZXERR	9 10 11 15 24
+ DFHZC6593	X'3B'	TCZXSBC	
+ DFHZC6594	X'3A'	TCZXSHR	24
+ DFHZC6595	X'39'	TCZXSABN	2 3 5 24

System sense codes

CICS message	Error code	Symbolic label	Action flags set
+ DFHZC6596	X'38'	TCZXSWS	2 3 15 24
+ DFHZC6598	X'56'	TCZXFVS	

System sense codes received

This chapter contains Product-sensitive Programming Interface information.

This table lists the actions taken by DFHZNAC on receipt of inbound system sense codes.

Sense code	Message	Action flags set
0001	DFHZC3401	2
0002	DFHZC3415	2, 3, 10, 11
0003	DFHZC3449	None
0004	DFHZC3450	None
0007	DFHZC3451	None
00FF	DFHZC3446	2, 3, 9, 10, 11, 23, 24
0801	DFHZC2476	3, 9, 10, 11
0802	DFHZC2461	None
0806	DFHZC3426	None
0807	DFHZC3411	None
080B	DFHZC2462	2, 3, 9, 10, 11, 15, 24
080E	DFHZC3448	23
080F	DFHZC3436	9, 10, 11
0811	DFHZC2464	9, 10, 11
0812	DFHZC2465	2, 3
081B	DFHZC2483	2, 3
081C	DFHZC2466	2, 3, 9, 10, 11
0824	DFHZC2475	3, 9, 10, 11
0825	DFHZC2484	2, 3, 9, 10, 11
0826	DFHZC3423	2, 3, 9, 10, 11
0827	DFHZC2480	3
0829	DFHZC3407	1, 2, 3, 10, 11, 24
082A	None	9, 32
082B	DFHZC3408	2, 3, 10, 11, 13
082D	DFHZC3413	None
082E	DFHZC3412	None
082F	DFHZC3414	2, 3, 9, 10, 11
0831	DFHZC3438	None
0833	DFHZC3427	None
0847	DFHZC3439	None
084A	None	32
084C	DFHZC3467	9, 10, 11
0860	DFHZC3459	None
0863	DFHZC3460	9, 10, 11

System sense codes

Sense code	Message	Action flags set
0864	DFHZC2475	3, 9, 10, 11
0865	DFHZC2465	3, 9, 10, 11
0866	DFHZC2475	3, 9, 10, 11
0867	None	9, 10, 11
0868	DFHZC3456	2, 9, 10, 11
0869	DFHZC3457	2, 9, 10, 11
08FF	DFHZC3447	2, 3, 9, 10, 11, 24
1000	DFHZC3494	2, 3, 9, 10, 11
1001	DFHZC2481	2, 3, 9, 10, 11, 14
1002	DFHZC2481	2, 3, 9, 10, 11, 14
1003	DFHZC2479	2, 3, 9, 10, 11, 14
1005	DFHZC3406	2, 3, 4, 9, 10, 11, 14
1008	DFHZC2478	None
1009	DFHZC3458	2, 9, 10, 11
10FF	DFHZC3446	2, 3, 9, 10, 11, 23, 24
2003	DFHZC3405	2, 3, 9, 10, 11, 15, 24
20FF	DFHZC3445	2, 3, 9, 10, 11, 23, 24
400B	DFHZC2477	1, 3, 11
40FF	DFHZC3453	2, 3, 9, 10, 11, 23, 24
8000	DFHZC3435	2, 3, 9, 10, 11, 18, 24
8005	DFHZC3435	2, 3, 9, 10, 11, 18, 24
80FF	DFHZC3435	2, 3, 9, 10, 11, 18, 23, 24
FFFF	DFHZC2460	2, 3, 9, 10, 11, 23, 24

Message	Sense code	Action flags set
DFHZC2460	FFFF	2, 3, 9, 10, 11, 23, 24
DFHZC2461	0802	None
DFHZC2462	080B	2, 3, 9, 10, 11, 15, 24
DFHZC2464	0811	9, 10, 11
DFHZC2465	0812	2, 3
DFHZC2465	0865	3, 9, 10, 11
DFHZC2466	081C	2, 3, 9, 10, 11
DFHZC2475	0824	3, 9, 10, 11
DFHZC2475	0864	3, 9, 10, 11
DFHZC2475	0866	3, 9, 10, 11
DFHZC2476	0801	3, 9, 10, 11
DFHZC2477	400B	1, 3, 11
DFHZC2478	1008	None
DFHZC2479	1003	2, 3, 9, 10, 11, 14
DFHZC2480	0827	3
DFHZC2481	1001	2, 3, 9, 10, 11, 14

System sense codes

Message	Sense code	Action flags set
DFHZC2481	1002	2, 3, 9, 10, 11, 14
DFHZC2483	081B	2, 3
DFHZC2484	0825	2, 3, 9, 10, 11
DFHZC3401	0001	2
DFHZC3405	2003	2, 3, 9, 10, 11, 15, 24
DFHZC3406	1005	2, 3, 4, 9, 10, 11, 14
DFHZC3407	0829	1, 2, 3, 10, 11, 24
DFHZC3408	082B	2, 3, 10, 11, 13
DFHZC3411	0807	None
DFHZC3412	082E	None
DFHZC3413	082D	None
DFHZC3414	082F	2, 3, 9, 10, 11
DFHZC3415	0002	2, 3, 10, 11
DFHZC3423	0826	2, 3, 9, 10, 11
DFHZC3426	0806	None
DFHZC3427	0833	None
DFHZC3435	8000	2, 3, 9, 10, 11, 18, 24
DFHZC3435	8005	2, 3, 9, 10, 11, 18, 24
DFHZC3435	80FF	2, 3, 9, 10, 11, 18, 23, 24
DFHZC3436	080F	9, 10, 11
DFHZC3438	0831	None
DFHZC3439	0847	None
DFHZC3445	20FF	2, 3, 9, 10, 11, 23, 24
DFHZC3446	00FF	2, 3, 9, 10, 11, 23, 24
DFHZC3446	10FF	2, 3, 9, 10, 11, 23, 24
DFHZC3447	08FF	2, 3, 9, 10, 11, 24
DFHZC3448	080E	23
DFHZC3449	0003	None
DFHZC3450	0004	None
DFHZC3451	0007	None
DFHZC3453	40FF	2, 3, 9, 10, 11, 23, 24
DFHZC3456	0868	2, 9, 10, 11
DFHZC3457	0869	2, 9, 10, 11
DFHZC3458	1009	2, 9, 10, 11

System sense codes

Message	Sense code	Action flags set
DFHXC3459	0860	None
DFHXC3460	0863	9, 10, 11
DFHXC3467	084C	9, 10, 11
DFHXC3494	1000	2, 3, 9, 10, 11
None	082A	9, 32
None	084A	32
None	0867	9, 10, 11

System sense codes

Action flag settings and default actions

These are the default actions generated by DFHZNAC for DFHZNEP. The default actions can vary from the actions set, depending on the state of the node at the time of the error.

Flag	Field	Bit mask	Hex bit setting	Action
1	TWAOPT1	1... ..	"X'80"	Print action flags
2		.1.. ..	"X'40"	Print VTAM RPL
3		..1.	"X'20"	Print TCTTE
4		...1 ...	"X'10"	Print TIOA
5		.... 1...	"X'08"	Print BIND area
6		.... .1..	"X'04"	System dump if no task attached
9		1... ..	"X'80"	Abort any send for this terminal
10	TWAOPT2	.1.. ..	"X'40"	Abort any receive for " "
11		..1.	"X'20"	Abend any task attached to TCTTE
12		...1 ...	"X'10"	Cancel any task attached to TCTTE
13		.... 1...	"X'08"	Good Morning message to be sent
14		.... .1..	"X'04"	Purge any BMS pages for this TCTTE
15		.... ..1.	"X'02"	SIMLOGON required
17	TWAOPT3	1... ..	"X'80"	Set INTLOG now allowed
18		.1.. ..	"X'40"	Set no internal general logons
20		...1 ...	"X'10"	Normal CLSDST (no reset allowed)
21		.... 1...	"X'08"	Normal CLSDST (reset allowed)
22		.... .1..	"X'04"	Send negative response
23		.... ..1.	"X'02"	AOS node out of service
24		.... ...1	"X'01"	CLSDST node

System sense codes

VTAM identifiers

Chapter 12. VTAM submodule identifiers

This chapter contains Product-sensitive Programming Interface information.

Hex ID	Module	Description
X'00'	ZDSP	DISPATCH
X'01'	ZARQ	READ /WRITE R
X'02'	ZLOC	LOCATE
X'03'	ZDET	DETACH
X'04'	ZTCP	TCP
X'06'	ZCRQ	COMMAND REQS
X'08'	ZSTU	STATUS CHANGE
X'09'	ZTSP	TERMINAL SHARING
X'0A'	ZHPX	HPO RPL EXEC OS ONLY
X'0B'	ZISP	ALLOCATE/FREE
X'0C'	ZIS1	INTER SYSTEM
X'0D'	ZIS2	INTER SYSTEM 2
X'0E'	ZABD	INVALID REQUEST/ABEND
X'10'	ZATI	ATI
X'11'	ZATT	ATTACH TASK
X'12'	ZFRE	FREE STORAGE
X'13'	ZGET	GET STORAGE
X'14'	ZRAC	RECEIVE ANY
X'15'	ZRST	RESETSR
X'16'	ZRVS	RECEIVE SPEC
X'17'	ZRVX	RECEIVE S EXT
X'18'	ZSDS	SEND NORMAL
X'19'	ZSDX	SEND DATA EXIT
X'1A'	ZUCT	TRANSLATION
X'1B'	ZUIX	USER EXIT
X'1C'	ZACT	ACTIVATE SCAN
X'1D'	ZSDR	SEND RESPONSE
X'1E'	ZHPS	HPO SEND/RCV CALL
X'1F'	ZRPL	RCV.ANY BLDER
X'20'	ZAIT	ATTACH INIT
X'21'	ZASX	ASYN COM EXIT
X'22'	ZCLS	CLOSE DESTIN
X'23'	ZCLX	CLOSE DS EXIT
X'24'	ZDWE	DWE PROCESS
X'25'	ZLEX	LERAD EXIT
X'26'	ZLGX	LOGON EXIT
X'27'	ZLRP	LOGICAL REC
X'28'	ZLTX	LOSTERM EXIT
X'29'	ZOPN	OPEN DESTINAT
X'2A'	ZOPX	OPEN DESTEXIT
X'2B'	ZRAQ	READAHEAD QUE
X'2C'	ZRAR	READAHEAD RET
X'2E'	ZRRX	REL REQUEST EX

VTAM identifiers

Hex ID	Module	Description
X'2F'	ZNSP	NETWORK SPEC EXIT
X'30'	ZRSY	RESYNC
X'31'	ZSAX	SEND COMM EXT
X'32'	ZSCX	SCIP EXIT
X'33'	ZSDA	SEND ASYN COM
X'34'	ZSKR	SEND COMMAND RESPONSE ID
X'35'	ZSES	SESSIONC COM
X'36'	ZSEX	SESSIONC EXIT
X'37'	ZSIM	SIMLOGON
X'38'	ZSIX	SIMLOGON EXIT
X'39'	ZSLS	SETLOGON START
X'3A'	ZSSX	SEND COM EXIT
X'3B'	ZSYX	SYNAD EXIT
X'3C'	ZTAX	TURNAROUND EXIT
X'3D'	ZTPX	TPEND EXIT
X'3E'	ZOPA	VTAM OPEN ACB
X'3F'	ZSHU	VTAM SHUTDOWN
X'40'	ZQUE	TERMINAL SHARING
X'41'	ZEMW	ERROR MESSAGE WRITER
X'42'	ZSYN	SYNCHPOINT HANDLER
X'43'	ZTRA	VTAM RPL TRACE
X'44'	ZAND	ABEND CONTROL BLOCK
X'45'	ZCNA	CONSOLE CONTROL
X'46'	ZCNR	CONSOLE REQUEST
X'47'	ZCNC	CONSOLE ABNORMAL COND.
X'48'	ZUAX	ATTACH USER EXIT
X'49'	ZUOX	OUTPUT USER EXIT
X'4A'	ZARL	LU6.2 APPL REQUEST
X'4B'	ZARM	LU6.2 MIGRATION
X'4C'	ZRVL	LU6.2 RECEIVE
X'4D'	ZRLX	LU6.2 RECEIVE EXIT
X'4E'	ZSDL	LU6.2 SEND
X'4F'	ZSLX	LU6.2 SEND EXIT
X'50'	ZERH	LU6.2 APPL ERP
X'52'	ZBKT	LU6.2 BRACKET STATE M/C
X'53'	ZCNT	LU6.2 CONTENTION STATE
X'54'	ZCHS	LU6.2 CHAIN SEND
X'55'	ZCHR	LU6.2 CHAIN RECEIVE
X'56'	ZUSR	LU6.2 CONVERSATION STATE
X'57'	ZDST	SNA-ASCII TRAN ROUTINE
X'58'	ZEV1	ENCRYPTION VALIDATION 1
X'59'	ZEV2	ENCRYPTION VALIDATION 2
X'5E'	ZXRC	XRF TERMINAL RECOVERY
X'5F'	ZXTS	XRF TERMINAL SCAN
X'60'	ZXRL	LU6.2 Transaction Routing
X'61'	ZINT	Initialisation Module Ident
X'62'	ZXRT	LU6.2 Transaction Routing TOS
X'63'	ZSTA	LU6.2 Application Status

VTAM identifiers

Hex ID	Module	Description
X'64'	ZRLP	LU6.2 RECEIVE post-vtam
X'65'	ZCRT	LU6.2 RPL_B state
X'66'	ZRAS	LU6.2 Slow-down processing
X'67'	ZXPS	LU6.2 Per sess recovery
X'7D'	ZRLG	RESPONSE LOGGER
X'7E'	ZNAC	NACP
X'7F'	ZRSP	RESYNC SYSTEM TASK
X'80'	ZATR	ZATR restart deletes
X'82'	ZATA	ZATA autoinstall
X'84'	ZATD	ZATD autoinstall delete
X'86'	ZGMM	GOOD MORNING TRANSACTION
X'8B'	ZATS	ZATS remote install entry
X'C0'	ZQ00	DFHZCQ REQUEST ROUTER
X'C1'	ZQIN	ZC INITIALISE
X'C2'	ZQBA	ZC Bind Analysis
X'C3'	ZQCH	ZC CHANGE
X'C4'	ZQDL	ZC DELETE
X'C5'	ZQIT	ZC INSTALL TCTTE
X'C6'	ZQRC	ZC RECOVER
X'C7'	ZQRS	ZC RESTORE
X'C8'	ZQIQ	ZC INQUIRE
X'C9'	ZQIS	ZC INSTALL
X'CA'	ZTCT	DUMMY TCTTE IDENTIFIER

VTAM identifiers

Storage classes

Chapter 13. AP domain storage classes

This chapter contains Diagnosis, Modification or Tuning information.

This table shows the valid AP domain storage classes. Some classes use a storage accounting area (SAA). For these, the storage class value always appears in the first byte in the accounting area for a storage element. The value is sometimes modified when the top bit is set to indicate getmained storage. As an example, X'01' can appear as X'81'.

Value	Class	SAA
X'01'	TERMINAL24	No
X'02'	CICS	No
X'03'	SHARED_CICS	No
X'04'	LINE	No
X'05'	TERMINAL	No
X'06'	TASK	No
X'07'	TASK24	No
X'08'	CICS24	No
X'09'	SHARED_CICS24	No
X'0C'	CICS24_SAA	Yes
X'0D'	TRANSDATA	Yes
X'0E'	TEMPSTG	Yes
X'11'	USER	No
X'12'	USER24	No
X'13'	SHARED_CICS24_SAA	Yes
X'14'	CONTROL	No
X'16'	TACLE	Yes
X'20'	SHARED_USER24	No
X'21'	SHARED_USER	No

Storage classes

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