

MQSeries® for OS/390®



Messages and Codes

Version 2 Release 1

MQSeries® for OS/390®



Messages and Codes

Version 2 Release 1

Note!

Before using this information and the product it supports, be sure to read the general information under Appendix G, "Notices" on page 433.

First edition (January 1999)

This edition applies to MQSeries for OS/390 Version 2 Release 1 and to any subsequent releases and modifications until otherwise indicated in new editions.

This book is based on the *Messages and Codes* book for MQSeries for MVS/ESA® 1.2, GC33-0819-04.

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Contents

About this book	v	Softcopy books	ix
Who this book is for	v	MQSeries information available on the Internet	x
What you need to know to understand this book	v	Related publications	x
How to use this book	v	For APPC	x
MQSeries abend completion codes	vi	For CICS	x
Message routing codes	vi	For IMS	x
MQSeries publications	vii	For OS/390	x
MQSeries cross-platform publications	vii	For TCP/IP	x
MQSeries platform-specific publications	viii	For other products	x
MQSeries Level 1 product publications	ix		

Part 1. Messages 1

CICS adapter messages (CSQC...)	3	Recovery manager messages (CSQR...)	111
Message generator messages (CSQF...)	25	Utilities messages (CSQU...)	113
Security manager messages (CSQH...)	27	Agent services messages (CSQV...)	125
Data manager messages (CSQI...)	31	Instrumentation facilities messages (CSQW...)	131
Recovery log manager messages (CSQJ...)	35	Distributed queuing messages (CSQX...)	141
Distributed queuing (using CICS ISC) messages (CSQK...)	57	Initialization procedure and general services messages (CSQY...)	165
Message manager messages (CSQM...)	79	Service facilities messages (CSQ1...)	169
Command server messages (CSQN...)	89	MQSeries-IMS bridge Messages (CSQ2...)	177
Operations and control messages (CSQO...)	95	Subsystem support messages (CSQ3...)	181
Buffer manager messages (CSQP...)	103	Generalized command preprocessor messages (CSQ9...)	187
IMS adapter messages (CSQQ...)	105		

Part 2. Codes 193

Connection manager codes (X'94')	195	Message manager codes (X'D4')	247
Batch adapter codes (X'C2')	197	Command server codes (X'D5')	259
Message generator codes (X'C6')	199	Buffer manager codes (X'D7')	263
Functional recovery manager codes (X'C7')	201	Recovery manager codes (X'D9')	265
Security manager codes (X'C8')	203	Storage manager codes (X'E2')	273
Data manager codes (X'C9')	211	Timer services codes (X'E3')	279
Recovery log manager codes (X'D1')	225	Agent services codes (X'E5')	281
Recovery log manager diagnostic information	225	Instrumentation facilities codes (X'E6')	295
Lock manager codes (X'D3')	243	Distributed queuing codes (X'E7')	297

Tables

Initialization procedure and general services codes (X'E8')	303	MQSeries-IMS bridge codes (X'F2')	317
System parameter manager codes (X'E9')	313	Subsystem support codes (X'F3')	325
Service facilities codes (X'F1')	315	Generalized command preprocessor codes (X'F9')	341
<hr/>			
Part 3. MQSeries CICS abend codes			345
MQSeries CICS bridge abend codes	347	MQSeries CICS adapter abend codes	351
<hr/>			
Part 4. Appendixes			355
Appendix A. API completion and reason codes	357	IBM TCP/IP return codes	419
Completion codes	357	APPC/MVS return codes	423
Reason codes	357	Appendix E. Distributed queuing message codes	429
Appendix B. MQSeries component identifiers	415	Appendix F. Messages from other products	431
Appendix C. MQSeries log services return codes	417	Appendix G. Notices	433
Appendix D. Communications protocol return codes	419	Programming interface information	434
		Trademarks	434
<hr/>			
Part 5. Glossary			435
Glossary of terms and abbreviations	437		

Tables

1. Message type codes	v	6. IUCV IPR codes	422
2. Component identifiers used in MQSeries messages and codes	415	7. APPC return codes and their meanings	423
3. Log services return codes	417	8. APPC allocate services return codes and their meanings	426
4. OpenEdition sockets return codes	419	9. APPC reason codes and their meanings	426
5. TCP/IP return codes	421	10. Message prefixes	431

About this book

This book lists all the user messages and abend reason codes returned by MQSeries for OS/390, with explanations and suggested responses. It is designed for use as a quick reference, and is linked with the *MQSeries for OS/390 Problem Determination Guide*, which you should also consult if a message indicates that there is an MQSeries problem.

Who this book is for

This book is for system operators, system programmers, and anybody else who needs to understand and respond to MQSeries user messages.

What you need to know to understand this book

You can refer to this book for the meaning of a message without understanding the book as a whole. However, you should understand the types of message MQSeries produces, the different places to which it sends these messages, and the different audiences they are intended to reach.

Note: In this book, CICS® means both Transaction Server for OS/390 and CICS for MVS/ESA, and IMS™ means IMS/ESA®, unless otherwise stated.

How to use this book

When you are using MQSeries and you need to understand a message or code, use this book as a reference. The book is divided into the following parts:

Part 1, “Messages”

Describes all MQSeries messages in alphanumeric order.

All MQSeries message identifiers are eight characters long. The first three characters are always CSQ. If you get a message with a different prefix, see Appendix F, “Messages from other products” on page 431 to find out which product issued the message.

The fourth character is the component identifier; this identifies the component of MQSeries that issued the message. These are shown in Appendix B, “MQSeries component identifiers” on page 415. The fifth through seventh characters represent the numeric identifier, which is unique within the component. The last character is the message type code; this indicates the type of response that the message requires.

Table 1 shows the four type codes used by MQSeries for OS/390.

Table 1. Message type codes

A	Immediate action	System operator action is required immediately. The associated task does not continue until the requested action has been taken.
D	Immediate decision	System operator decision or action is required immediately. The operator is requested to select from specific options, such as retry or cancel . The associated task does not continue until the requested decision has been made or action has been taken.
E	Eventual action	System operator action <i>will</i> be required; however, the associated task continues independently of system operator action.
I	Information only	No operator action is required.

In many components, the message identifier is normally followed by the *command prefix* (CPF); this indicates which MQSeries subsystem issued the message. These components are those with message prefixes starting CSQH, CSQI, CSQM, CSQN, CSQP, CSQR, CSQV, CSQX, CSQY, CSQ2, CSQ3, and CSQ9; some messages with prefix CSQJ also have the CPF. In some special cases, the CPF might show as blank.

Messages from CICS-related components (CSQC and CSQK) show the CICS application ID or transaction ID.

Messages from components CSQO, CSQU, CSQW, and CSQ1 have no indicator.

Part 2, “Codes”

Describes all MQSeries abend reason codes, and subsystem termination reason codes, in alphanumeric order.

The codes are four bytes long. The first byte is always 00; this is the high-order byte. The second byte is the hexadecimal identifier (Hex ID) of the MQSeries component. These are shown in Appendix B, “MQSeries component identifiers” on page 415. The last two bytes are the numeric identifier, which is unique within the component.

Part 3, “MQSeries CICS abend codes”

Describes the CICS abend codes issued by the MQSeries CICS adapter, the CICS distributed queuing component, and the MQSeries CICS bridge.

Accompanying each message and code is the following information, when applicable:

Explanation: This section tells what the message or code means, why it occurred, and what caused it.

About this book

Module: This section indicates which modules issued the message, to assist in diagnosing problems.

Severity: Severity values have the following meanings:

- 0 An information message. No error has occurred.
- 4 A warning message. A condition has been detected of which the user should be aware. The user might need to take further action.
- 8 An error message. An error has been detected and processing could not continue.
- 12 A severe error message. A severe error has been detected and processing could not continue.

System action: This part tells what is happening as a result of the condition causing the message or code. If this information is not shown, no system action is taken.

User response: If a response by the user is necessary, this section tells what the appropriate responses are, and what their effect is. If this information is not shown, no user response is required.

Operator response: If an operator response is necessary, this section tells what the appropriate responses are, and what their effect is. If this information is not shown, no operator response is required.

System programmer response: If a response by the system programmer is required, this part tells what the appropriate responses are, and what their effect is. If this information is not shown, no system programmer response is required.

Programmer response: If a programmer response is necessary, this part tells what the appropriate responses are, and what their effect is. If this information is not shown, no programmer response is required.

Problem determination: This section lists the actions that can be performed to obtain adequate data for support personnel to diagnose the cause of the error. If this information is not shown, no problem determination is required.

The book also contains the following information in appendixes:

- Appendix A, "API completion and reason codes"
- Appendix B, "MQSeries component identifiers"
- Appendix C, "MQSeries log services return codes"
- Appendix D, "Communications protocol return codes"
- Appendix E, "Distributed queuing message codes"
- Appendix F, "Messages from other products"

MQSeries abend completion codes

MQSeries uses two system abend completion codes:

X'5C6' This code indicates that MQSeries has detected an internal error, and has terminated an MQSeries internal task, or a user-connected task abnormally. Errors associated with a X'5C6' abend completion code might be preceded by an OS/390 system code, or by internal errors.

To determine the source of the error that resulted in a subsequent task or subsystem termination, examine the diagnostic material generated by the X'5C6' abend.

X'6C6' This code indicates that MQSeries has detected a severe error, and has terminated the entire MQSeries subsystem abnormally. When this abend code is issued, MQSeries has determined continued operation could result in the loss of data integrity. Errors associated with a X'6C6' abend completion code might be preceded by an OS/390 system error, or by one or more MQSeries X'5C6' abend completion codes.

For information about the subsystem actions, and diagnostic information available to MQSeries following one of these abend completion codes, see the *MQSeries for OS/390 Problem Determination Guide*.

Message routing codes

The majority of MQSeries messages sent to the console have routing codes determined by the **ROUTCODE** parameter of the CSQ6SYSP macro. (See the *MQSeries for OS/390 System Management Guide* for information about using this macro.) However, some MQSeries messages are issued with a fixed routing code. These include messages that require an immediate response and messages issued by early initialization procedures. Messages sent in direct response to commands (other than START QMGR and STOP QMGR) are sent to the console or program that issued the command.

Messages issued by the MQSeries CICS adapter and the CICS distributed queuing component use the default route code of your CICS system.

Most messages issued by the security manager are routed back to the person who issued the command (provided that they have the correct authority).

MQSeries publications

This section describes the documentation available for all current MQSeries products.

MQSeries cross-platform publications

Most of these publications, which are sometimes referred to as the MQSeries “family” books, apply to all MQSeries Level 2 products. The latest MQSeries Level 2 products are:

- MQSeries for AIX V5.1
- MQSeries for AS/400 V4R2M1
- MQSeries for AT&T GIS UNIX V2.2
- MQSeries for Digital OpenVMS V2.2
- MQSeries for HP-UX V5.1
- MQSeries for OS/2 Warp V5.1
- MQSeries for OS/390 V2.1
- MQSeries for SINIX and DC/OSx V2.2
- MQSeries for Sun Solaris V5.1
- MQSeries for Tandem NonStop Kernel V2.2
- MQSeries for VSE/ESA V2.1
- MQSeries for Windows V2.0
- MQSeries for Windows V2.1
- MQSeries for Windows NT V5.1

Any exceptions to this general rule are indicated. (Publications that support the MQSeries Level 1 products are listed in “MQSeries Level 1 product publications” on page ix. For a functional comparison of the Level 1 and Level 2 MQSeries products, see the *MQSeries Planning Guide*.)

MQSeries Brochure

The *MQSeries Brochure*, G511-1908, gives a brief introduction to the benefits of MQSeries. It is intended to support the purchasing decision, and describes some authentic customer use of MQSeries.

MQSeries: An Introduction to Messaging and Queuing

MQSeries: An Introduction to Messaging and Queuing, GC33-0805, describes briefly what MQSeries is, how it works, and how it can solve some classic interoperability problems. This book is intended for a more technical audience than the *MQSeries Brochure*.

MQSeries Planning Guide

The *MQSeries Planning Guide*, GC33-1349, describes some key MQSeries concepts, identifies items that need to be considered before MQSeries is installed, including storage requirements, backup and recovery, security, and migration from earlier releases, and specifies hardware and software requirements for every MQSeries platform.

MQSeries Intercommunication

The *MQSeries Intercommunication* book, SC33-1872, defines the concepts of distributed queuing and explains how to set up a distributed queuing network in a variety of MQSeries environments. In particular, it demonstrates how to (1) configure communications to and from a representative sample of MQSeries products, (2) create required MQSeries objects, and (3) create and configure MQSeries channels. The use of channel exits is also described.

MQSeries Clients

The *MQSeries Clients* book, GC33-1632, describes how to install, configure, use, and manage MQSeries client systems.

MQSeries System Administration

The *MQSeries System Administration* book, SC33-1873, supports day-to-day management of local and remote MQSeries objects. It includes topics such as security, recovery and restart, transactional support, problem determination, and the dead-letter queue handler. It also includes the syntax of the MQSeries control commands.

This book applies to the following MQSeries products only:

- MQSeries for AIX V5.1
- MQSeries for HP-UX V5.1
- MQSeries for OS/2 Warp V5.1
- MQSeries for Sun Solaris V5.1
- MQSeries for Windows NT V5.1

MQSeries Command Reference

The *MQSeries Command Reference*, SC33-1369, contains the syntax of the MQSC commands, which are used by MQSeries system operators and administrators to manage MQSeries objects.

MQSeries Programmable System Management

The *MQSeries Programmable System Management* book, SC33-1482, provides both reference and guidance information for users of MQSeries events, Programmable Command Format (PCF) messages, and installable services.

MQSeries Messages

The *MQSeries Messages* book, GC33-1876, which describes “AMQ” messages issued by MQSeries, applies to these MQSeries products only:

- MQSeries for AIX V5.1
- MQSeries for HP-UX V5.1
- MQSeries for OS/2 Warp V5.1
- MQSeries for Sun Solaris V5.1
- MQSeries for Windows NT V5.1
- MQSeries for Windows V2.0
- MQSeries for Windows V2.1

This book is available in softcopy only.

MQSeries Application Programming Guide

The *MQSeries Application Programming Guide*, SC33-0807, provides guidance information for users of the message queue interface (MQI). It describes how to design, write, and build an MQSeries application. It also includes full descriptions of the sample programs supplied with MQSeries.

MQSeries Application Programming Reference

The *MQSeries Application Programming Reference*, SC33-1673, provides comprehensive reference information for users of the MQI. It includes: data-type descriptions; MQI call syntax; attributes of MQSeries objects; return codes; constants; and code-page conversion tables.

MQSeries Application Programming Reference Summary

The *MQSeries Application Programming Reference Summary*, SX33-6095, summarizes the information in the *MQSeries Application Programming Reference* manual.

MQSeries publications

MQSeries Using C++

MQSeries Using C++, SC33-1877, provides both guidance and reference information for users of the MQSeries C++ programming-language binding to the MQI. MQSeries C++ is supported by these MQSeries products:

- MQSeries for AIX V5.1
- MQSeries for AS/400 V4R2M1
- MQSeries for HP-UX V5.1
- MQSeries for OS/2 Warp V5.1
- MQSeries for OS/390 V2.1
- MQSeries for Sun Solaris V5.1
- MQSeries for Windows NT V5.1

MQSeries C++ is also supported by MQSeries clients supplied with these products and installed in the following environments:

- AIX®
- HP-UX
- OS/2®
- Sun Solaris
- Windows NT®
- Windows® 3.1
- Windows 95 and Windows 98

MQSeries Using Java®

MQSeries Using Java, SC34-5456, provides both guidance and reference information for users of the MQSeries Bindings for Java and the MQSeries Client for Java. MQSeries Java is supported by these MQSeries products:

- MQSeries for AIX V5.1
- MQSeries for HP-UX V5.1
- MQSeries for OS/2 Warp V5.1
- MQSeries for Sun Solaris V5.1
- MQSeries for Windows NT V5.1

MQSeries Administration Interface Programming Guide and Reference

The *MQSeries Administration Interface Programming Guide and Reference*, SC34-5390, provides information for users of the MQAI. The MQAI is a programming interface that simplifies the way in which applications manipulate Programmable Command Format (PCF) messages and their associated data structures.

This book applies to the following MQSeries products only:

MQSeries for AIX V5.1
MQSeries for HP-UX V5.1
MQSeries for OS/2 Warp V5.1
MQSeries for Sun Solaris V5.1
MQSeries for Windows NT V5.1

MQSeries Queue Manager Clusters

MQSeries Queue Manager Clusters, SC34-5349, describes MQSeries clustering. It explains the concepts and terminology and shows how you can benefit by taking advantage of clustering. It details changes to the MQI, and summarizes the syntax of new and changed MQSeries commands. It shows a number of examples of tasks you can perform to set up and maintain clusters of queue managers.

This book applies to the following MQSeries products only:

MQSeries for AIX V5.1
MQSeries for HP-UX V5.1
MQSeries for OS/2 Warp V5.1
MQSeries for OS/390 V2.1
MQSeries for Sun Solaris V5.1
MQSeries for Windows NT V5.1

MQSeries platform-specific publications

Each MQSeries product is documented in at least one platform-specific publication, in addition to the MQSeries family books.

MQSeries for AIX

MQSeries for AIX Version 5 Release 1 Quick Beginnings, GC33-1867

MQSeries for AS/400®

MQSeries for AS/400 Version 4 Release 2.1 Administration Guide, GC33-1956

MQSeries for AS/400 Version 4 Release 2 Application Programming Reference (RPG), SC33-1957

MQSeries for AT&T GIS UNIX®

MQSeries for AT&T GIS UNIX Version 2 Release 2 System Management Guide, SC33-1642

MQSeries for Digital OpenVMS

MQSeries for Digital OpenVMS Version 2 Release 2 System Management Guide, GC33-1791

MQSeries for Digital UNIX

MQSeries for Digital UNIX Version 2 Release 2.1 System Management Guide, GC34-5483

MQSeries for HP-UX

MQSeries for HP-UX Version 5 Release 1 Quick Beginnings, GC33-1869

MQSeries for OS/2 Warp

MQSeries for OS/2 Warp Version 5 Release 1 Quick Beginnings, GC33-1868

MQSeries for OS/390

MQSeries for OS/390 Version 2 Release 1 Licensed Program Specifications, GC34-5377

MQSeries for OS/390 Version 2 Release 1 Program Directory

MQSeries for OS/390 Version 2 Release 1 System Management Guide, SC34-5374

MQSeries for OS/390 Version 2 Release 1 Messages and Codes, GC34-5375

MQSeries for OS/390 Version 2 Release 1 Problem Determination Guide, GC34-5376

MQSeries link for R/3

MQSeries link for R/3 Version 1 Release 2 User's Guide, GC33-1934

MQSeries for SINIX and DC/OSx

MQSeries for SINIX and DC/OSx Version 2 Release 2 System Management Guide, GC33-1768

MQSeries for Sun Solaris

MQSeries for Sun Solaris Version 5 Release 1 Quick Beginnings, GC33-1870

MQSeries for Tandem NonStop Kernel

MQSeries for Tandem NonStop Kernel Version 2 Release 2 System Management Guide, GC33-1893

MQSeries for VSE/ESA®

MQSeries for VSE/ESA Version 2 Release 1 Licensed Program Specifications, GC34-5365

MQSeries for VSE/ESA Version 2 Release 1 System Management Guide, GC34-5364

MQSeries for Windows

MQSeries for Windows Version 2 Release 0 User's Guide, GC33-1822

MQSeries for Windows Version 2 Release 1 User's Guide, GC33-1965

MQSeries for Windows NT

MQSeries for Windows NT Version 5 Release 1 Quick Beginnings, GC34-5389

MQSeries for Windows NT Using the Component Object Model Interface, SC34-5387

MQSeries LotusScript Extension, SC34-5404

MQSeries Level 1 product publications

For information about the MQSeries Level 1 products, see the following publications:

MQSeries: Concepts and Architecture, GC33-1141

MQSeries Version 1 Products for UNIX Operating Systems Messages and Codes, SC33-1754

MQSeries for UnixWare Version 1 Release 4.1 User's Guide, SC33-1379

Softcopy books

Most of the MQSeries books are supplied in both hardcopy and softcopy formats.

BookManager® format: The MQSeries library is supplied in IBM BookManager format on a variety of online library collection kits, including the *Transaction Processing and Data* collection kit, SK2T-0730. You can view the softcopy books in IBM BookManager format using the following IBM licensed programs:

BookManager READ/2

BookManager READ/6000

BookManager READ/DOS

BookManager READ/MVS

BookManager READ/VM

BookManager READ for Windows

HTML format: Relevant MQSeries documentation is provided in HTML format with these MQSeries products:

- MQSeries for AIX V5.1
- MQSeries for HP-UX V5.1
- MQSeries for OS/2 Warp V5.1
- MQSeries for Sun Solaris V5.1
- MQSeries for Windows NT V5.1 (compiled HTML)
- MQSeries link for R/3 V1.2

The MQSeries books are also available in HTML format from the MQSeries product family Web site at:

<http://www.software.ibm.com/ts/mqseries/>

Portable Document Format (PDF): PDF files can be viewed and printed using the Adobe Acrobat Reader.

If you need to obtain the Adobe Acrobat Reader, or would like up-to-date information about the platforms on which the Acrobat Reader is supported, visit the Adobe Systems Inc. Web site at:

<http://www.adobe.com/>

PDF versions of relevant MQSeries books are supplied with these MQSeries products:

- MQSeries for AIX V5.1
- MQSeries for HP-UX V5.1
- MQSeries for OS/2 Warp V5.1
- MQSeries for Sun Solaris V5.1
- MQSeries for Windows NT V5.1
- MQSeries link for R/3 V1.2

PDF versions of all current MQSeries books are also available from the MQSeries product family Web site at:

<http://www.software.ibm.com/ts/mqseries/>

PostScript format: The MQSeries library is provided in PostScript (.PS) format with many MQSeries Version 2 products. Books in PostScript format can be printed on a PostScript printer or viewed with a suitable viewer.

Windows Help format: The *MQSeries for Windows User's Guide* is provided in Windows Help format with MQSeries for Windows Version 2.0 and MQSeries for Windows Version 2.1.

MQSeries information available on the Internet

MQSeries Web site

The MQSeries product family Web site is at:

<http://www.software.ibm.com/ts/mqseries/>

By following links from this Web site you can:

- Obtain latest information about the MQSeries product family.
- Access the MQSeries books in HTML and PDF formats.
- Download MQSeries SupportPacs.

Related publications

For APPC

MVS Writing Servers for APPC/MVS, GC28-1774

MVS Writing Transaction Programs for APPC/MVS, GC28-1775

For CICS

CICS Customization Guide, SC33-1683

CICS-Supplied Transactions, SC33-1686

CICS Application Programming Reference, SC33-1688

CICS System Programming Reference, SC33-1689

CICS Distributed Transaction Programming Guide, SC33-1691

CICS Messages and Codes, GC33-1694

For IMS

IMS/ESA Application Programming: Data Communication, SC26-3058

IMS/ESA Open Transaction Manager Access Guide, SC26-8026

For OS/390

MVS/ESA DFP System Programming Reference, SC26-4567

DFSMS/MVS Macro Instructions for Data Sets, SC26-4913

MVS/DFP Diagnosis Reference, LY27-9571

MVS Programming: Resource Recovery, GC28-1739

MVS Initialization and Tuning Guide, GC28-1751

MVS Authorized Assembler Services Guide, GC28-1763

MVS Authorized Assembler Services Reference, GC28-1764 – GC28-1767

MVS Programming: Sysplex Services Guide, GC28-1771

MVS Programming: Sysplex Services Reference, GC28-1772

MVS Programming: Workload Management Services, GC28-1773

MVS System Codes, GC28-1780

MVS System Commands, GC28-1781

MVS System Management Facilities (SMF), GC28-1783

MVS System Messages (volumes 1 through 5), GC28-1784 – GC28-1788

OS/390 OpenEdition Messages and Codes, SC28-1908

MVS Assembler Services Reference, GC28-1910

Language Environment for OS/390 Debugging Guide and Runtime Messages, SC28-1942

For TCP/IP

TCP/IP Messages and Codes, SC31-7132

TCP/IP Programmer's Reference, SC31-7135

For other products

IBM C/C++ for MVS/ESA C/MVS User's Guide, SC09-2061

Security Server External Security Interface (RACROUTE) Macro Reference, GC28-1922

TSO/E Command Reference, SC28-1969

ISPF Services Guide, SC34-4485

Part 1. Messages

CICS adapter messages (CSQC...)	3	Recovery manager messages (CSQR...)	111
Message generator messages (CSQF...)	25	Utilities messages (CSQU...)	113
Security manager messages (CSQH...)	27	Agent services messages (CSQV...)	125
Data manager messages (CSQI...)	31	Instrumentation facilities messages (CSQW...)	131
Recovery log manager messages (CSQJ...)	35	Distributed queuing messages (CSQX...)	141
Distributed queuing (using CICS ISC) messages (CSQK...)	57	Initialization procedure and general services messages (CSQY...)	165
Message manager messages (CSQM...)	79	Service facilities messages (CSQ1...)	169
Command server messages (CSQN...)	89	MQSeries-IMS bridge Messages (CSQ2...)	177
Operations and control messages (CSQO...)	95	Subsystem support messages (CSQ3...)	181
Buffer manager messages (CSQP...)	103	Generalized command preprocessor messages (CSQ9...)	187
IMS adapter messages (CSQQ...)	105		

CICS adapter messages (CSQC...)

CSQC100D *cics-applid csect-name* **Cannot retrieve data from a START command.**
EIBFN=eibfn EIBRESP=eibresp EIBRESP2=eibresp2

Explanation: CKTI has attempted to retrieve data from a START command, but the retrieve was unsuccessful.

Module: CSQCTASK

Severity: 8

System Action: CKTI ends.

System Programmer Response: The EIB fields contain information about the cause of the problem. See the *CICS Application Programming Reference* manual for an explanation of these values. Use the data contained in these fields to resolve the problem, and retry.

CSQC101D *cics-applid csect-name* **Cannot open the initiation queue.**
MQCC=mqcc MQRC=mqrc

Explanation: CKTI has attempted to open an initiation queue, but the attempt was unsuccessful (for example, because the queue was not defined). *mqcc* and *mqrc* give the reason for the problem.

Module: CSQCTASK

Severity: 8

System Action: CKTI ends.

Operator Response: Refer to Appendix A, "API completion and reason codes" on page 357 for information about *mqcc* and *mqrc*, determine the cause of the problem, and use CKQC to restart CKTI.

CSQC102D *cics-applid csect-name* **Cannot start the CICS transaction tran-id.**
EIBFN=eibfn EIBRESP=eibresp EIBRESP2=eibresp2

Explanation: A trigger message has been retrieved from the initiation queue which defines a CICS transaction to be started. However the transaction cannot be started (for example, it cannot be found).

Module: CSQCTASK

Severity: 8

System Action: The trigger message is sent to the dead-letter queue. CKTI processes the next message.

System Programmer Response: The EIB fields contain information about the cause of the problem. See the *CICS Application Programming Reference* manual for an explanation of these values. Determine the reason for the problem, and restart the transaction.

CSQC103E *cics-applid csect-name* **CKTI has read a trigger message with an incorrect MQTM-StrucId of struc-id**

Explanation: A trigger message has been retrieved, but the structure identifier of the message is not MQTM_STRUC_ID and so is not compatible with this version of CSQCTASK.

Module: CSQCTASK

Severity: 4

System Action: The trigger message is sent to the dead-letter queue. CKTI processes the next message.

System Programmer Response: Check the header of the message on the dead-letter queue. This will tell you where the trigger message came from. Correct the process that created the trigger message.

CSQC104E *cics-applid csect-name* **CKTI does not support version version-id**

Explanation: A trigger message has been retrieved, but the version identifier in MQTM is not version 1, and so is not compatible with this version of CSQCTASK.

Module: CSQCTASK

Severity: 4

System Action: The trigger message is sent to the dead-letter queue. CKTI processes the next message.

System Programmer Response: Check the header of the message on the dead-letter queue. This will tell you where the trigger message came from. Correct the process that created the trigger message.

CSQC105E *cics-applid csect-name* **CKTI cannot start a process type of process-type**

Explanation: A trigger message has been retrieved, but the process type in MQTM is not CICS, and so cannot be processed by this version of CSQCTASK.

Module: CSQCTASK

Severity: 4

System Action: The trigger message is sent to the dead-letter queue. CKTI processes the next message.

System Programmer Response: Check the header of the message on the dead-letter queue. This will tell you where the trigger message came from. Correct the process that created the trigger message.

CSQC106D *cics-applid csect-name* **MQGET failure. CKTI will end.**
MQCC=mqcc MQRC=mqrc

Explanation: An attempt to issue an MQGET call on the initiation queue has been unsuccessful.

Module: CSQCTASK

Severity: 8

System Action: CKTI ends.

System Programmer Response: Refer to Appendix A, "API completion and reason codes" on page 357 for information about *mqcc* and *mqrc* to determine the cause of the problem, and use CKQC to restart CKTI.

CSQC107I *cics-applid csect-name* **A request to end CKTI has been received. CKTI ended**

Explanation: A request to end CKTI has been sent from the MQSeries CICS adapter. This is a normal completion of CKTI.

Module: CSQCTASK

Severity: 0

System Action: CKTI ends.

CSQC108D *cics-applid csect-name* **Unexpected invocation. CKTI terminated**

Explanation: An attempt has been made to start CKTI, but not from CKCN or CKSQ. This is not allowed.

Module: CSQCTASK

Severity: 8

System Action: CKTI ends.

Operator Response: Start CKTI from either CKCN or CKSQ.

CSQC109D *cics-applid csect-name* **MQCLOSE failed. MQCC=*mqqc* MQRC=*mqrc***

Explanation: An attempt has been made to close a queue, but the **MQCLOSE** call was unsuccessful. This message is followed by message CSQC110I, indicating the name of the queue.

Module: CSQCTASK

Severity: 8

System Action: An implicit close of the queue will take place when the transaction ends.

Programmer Response: Refer to Appendix A, "API completion and reason codes" for information about *mqqc* and *mqrc* to determine the cause of the problem.

CSQC110I *cics-applid csect-name* **Queue name = *q-name***

Explanation: This message is issued to indicate the queue in error if an operation on a queue (for example, an **MQOPEN**) is unsuccessful. The accompanying messages indicate the cause of the problem.

Module: CSQCTASK

Severity: 8

CSQC111D *cics-applid csect-name* **CKTI has read a trigger message with an incorrect length of *length***

Explanation: This message is issued if the transaction CKTI receives a trigger message that does not match the MQTM control block.

Module: CSQCTASK

Severity: 8

System Action: The message is sent to the dead-letter queue.

System Programmer Response: Look at the message on the dead-letter queue to establish why it did not match MQTM.

CSQC112A *cics-applid csect-name* **MQOPEN error. MQCC=*mqqc* MQRC=*mqrc***

Explanation: An **MQOPEN** call has been unable to open a queue. This message is followed by message CSQC110I indicating the name of the queue.

Module: CSQCTASK

Severity: 8

System Action: CKTI ends.

System Programmer Response: Refer to Appendix A, "API completion and reason codes" on page 357 for information about *mqqc* and *mqrc* to determine the cause of the problem.

CSQC113I *cics-applid csect-name* **This message cannot be processed**

Explanation: When an attempt to process a message using an MQ™ call was unsuccessful, an attempt was made to put the message on the dead-letter queue. This was also unsuccessful and the *message-id* has been sent to the system console.

Module: CSQCTASK

Severity: 0

System Action: Processing continues.

System Programmer Response: Check the console for previous messages explaining why the dead-letter queue was not available (if a dead-letter queue has not been defined, no other messages relating to the problem will have been issued).

CSQC114A *cics-applid csect-name* **MQINQ failed. MQCC=*mqqc* MQRC=*mqrc***

Explanation: An attempt to use the **MQINQ** call to inquire about the attributes of a queue was unsuccessful. This message is followed by message CSQC110I indicating the name of the queue.

Module: CSQCTASK

Severity: 8

System Action: CKTI ends.

Programmer Response: Refer to Appendix A, "API completion and reason codes" on page 357 for information about *mqqc* and *mqrc* to determine why an **MQINQ** call could not be made on the queue.

CSQC116A *cics-applid csect-name* **Cannot open the QMGR. MQCC=*mqqc* MQRC=*mqrc***

Explanation: An **MQOPEN** call to the queue manager was unsuccessful.

Module: CSQCTASK

Severity: 8

System Action: CKTI ends.

System Programmer Response: Refer to Appendix A, "API completion and reason codes" on page 357 for information about *mqqc* and *mqrc* to determine the cause of the problem.

CSQC117A *cics-applid csect-name* **Cannot query the QMGR. MQCC=*mqqc* MQRC=*mqrc***

Explanation: An **MQINQ** call to the queue manager was unsuccessful.

Module: CSQCTASK

Severity: 8

System Action: CKTI ends.

System Programmer Response: Refer to Appendix A, "API completion and reason codes" on page 357 for information about *mqqc* and *mqrc* to determine the cause of the problem.

CSQC118I *cics-applid csect-name* **MsgID=*msg-id***

Explanation: This message follows message CSQC113I, indicating the hexadecimal identifier of the message that could not be processed.

Module: CSQCTASK

Severity: 0

CSQC119A *cics-applid csect-name* **CICS detected an IRC failure. Cannot start transaction tran-id**

Explanation: A trigger message was retrieved from the initiation queue which defined a CICS transaction to be started, and the transaction is defined to run in a remote CICS region. The EXEC CICS START request for this transaction ended abnormally because of a failure in the IRC connection between the local and remote CICS regions.

Module: CSQCTASK

Severity: 8

System Action: The trigger message is sent to the dead-letter queue, and CKTI continues processing the next message.

System Programmer Response: Investigate the reason for the IRC failure.

CSQC120A *cics-applid csect-name* **MQPUT failed. MQCC=mqcc MQRC=mqrc**

Explanation: An attempt was made to put a message on a queue with an MQPUT call, but the attempt was unsuccessful. This message is followed by message CSQC110I indicating the name of the queue.

Module: CSQCTASK

Severity: 8

System Action: CKTI ends.

Programmer Response: Refer to Appendix A, "API completion and reason codes" on page 357 for information about *mqcc* and *mqrc* to determine why an MQPUT call could not be made for the queue.

CSQC121A *cics-applid csect-name* **A dead-letter queue is not defined for the QMGR**

Explanation: A dead-letter queue has not been defined for the queue manager.

Module: CSQCTASK

Severity: 8

System Action: The trigger message is discarded, and the process can not be started.

System Programmer Response: Define a dead-letter queue if one is required.

CSQC122A *cics-applid csect-name* **Cannot close the QMGR. MQCC=mqcc MQRC=mqrc**

Explanation: CKTI was unable to close the queue manager after inquiring about the dead-letter queue.

Module: CSQCTASK

Severity: 8

System Action: CKTI ends.

System Programmer Response: Refer to Appendix A, "API completion and reason codes" on page 357 for information about *mqcc* and *mqrc* to determine the cause of the problem.

CSQC123A *cics-applid csect-name* **The dead-letter queue is not of type local**

Explanation: The dead-letter queue defined was not of type local. This message is followed by message CSQC110I, indicating the name of the queue.

Module: CSQCTASK

Severity: 8

System Action: The message is not put to the dead-letter queue.

System Programmer Response: Define the dead-letter queue as a local queue.

CSQC124A *cics-applid csect-name* **The dead-letter queue is not of usage normal**

Explanation: The dead-letter queue defined is not of usage type normal. This message is followed by message CSQC110I, indicating the name of the queue.

Module: CSQCTASK

Severity: 8

System Action: The message is not put to the dead-letter queue.

System Programmer Response: Define the dead-letter queue to have usage type normal.

CSQC211D *cics-applid csect-name* **Unable to LINK to program CSQCPARM.**

**EIBFN=eibfn EIBRESP=eibresp EIBRESP2=eibresp2
EIBRCODE=eibrcode**

Explanation: An attempt to link to CSQCPARM was unsuccessful.

Module: CSQCPULL, CSQCQCON

Severity: 8

System Action: The connection process terminates, and control returns to CICS.

System Programmer Response: The EIB fields contain information about the cause of the problem. See the *CICS Application Programming Reference* manual for an explanation of these values. Determine the reason for the problem, and use the MQSeries CICS adapter control panels (the CKQC transaction) to retry the connection process.

CSQC212D *cics-applid csect-name* **CSQCPARM missing in SIT/SIT Override INITPARM**

Explanation: CSQCQCON attempted to connect to MQSeries, but the attempt was unsuccessful because the CSQCPARM keyword in the INITPARM statement was not found in the system initialization table (SIT) (or the SIT override INITPARM statement).

Module: CSQCQCON

Severity: 8

System Action: The connection process terminates, and control returns to CICS.

System Programmer Response: Add CSQCPARM keyword to the INITPARM statement of the SIT table (or the SIT override), restart CICS, and use the MQSeries CICS adapter control panels (the CKQC transaction) to retry the connection process. See the *MQSeries for OS/390 System Management Guide* for information about the system initialization table.

CSQC213D *cics-applid csect-name* **Queue manager name missing in CSQCPARM. Command rejected**

Explanation: An attempt was made to connect to MQSeries, but it was unsuccessful because the **CSQCPARM** keyword in the **INITPARM** statement did not contain the name of the required MQSeries subsystem.

Module: CSQCQCON

Severity: 8

System Action: The connection process terminates, and control returns to CICS.

System Programmer Response: Use the MQSeries CICS adapter control panels (the CKQC transaction) to specify the queue manager name, and retry the connection process. See the *MQSeries for OS/390 System Management Guide* for information about **CSQCPARM**.

CSQC214E *cics-applid csect-name* **Initiation queue name not found. CKTI not started**

Explanation: A connection has been made to MQSeries, but CKTI cannot be started as no initiation queue name has been specified.

Module: CSQCQCON

Severity: 0

System Action: The MQSeries subsystem is connected, but CKTI is not started.

Operator Response: Use the MQSeries CICS adapter control panels (the CKQC transaction) to start CKTI.

System Programmer Response: Add the initiation queue name to **INITPARM** statement if you want to start CKTI automatically next time you connect CICS to MQSeries.

CSQC216D *cics-applid csect-name* **Queue manager name invalid. Connection rejected**

Explanation: An attempt has been made to connect to MQSeries, but it was unsuccessful because the queue manager name given was more than 4 characters long.

Module: CSQCQCON

Severity: 8

System Action: The connection process terminates, and control returns to CICS.

System Programmer Response: Use the MQSeries CICS adapter control panels to specify the correct queue manager name, or correct the **CSQCPARM** keyword in the **INITPARM** statement, and retry the connection process. See the *MQSeries for OS/390 System Management Guide* for information about **INITPARM** and **CSQCPARM**.

CSQC217E *cics-applid csect-name* **Initiation queue name invalid. CKTI not started**

Explanation: An attempt has been made to connect to MQSeries, but it was unsuccessful because the initiation queue name given was more than 48 characters long.

Module: CSQCQCON

Severity: 8

System Action: The connection process terminates, and control returns to CICS.

System Programmer Response: Use the MQSeries CICS adapter control panels (the CKQC transaction) to specify the correct initiation queue name, and retry the connection process.

CSQC218I *cics-applid csect-name* **No trace number specified in CSQCPARM. The default of 0 will be used**

Explanation: A connection has been made to MQSeries but no trace number was specified in the **CSQCPARM** keyword of the **INITPARM** statement. The default of 0 will be used.

Module: CSQCQCON

Severity: 0

System Action: The MQSeries subsystem is connected with a trace number of 0.

System Programmer Response: Use the MQSeries CICS adapter control panels (the CKQC transaction) to specify the required trace number. Add the trace number to the **CSQCPARM** keyword of the **INITPARM** statement to set it automatically next time you connect CICS to MQSeries.

CSQC219E *cics-applid csect-name* **Trace number specified in CSQCPARM is not valid. The default of 0 will be used**

Explanation: A connection has been made to MQSeries but the trace number specified in the **CSQCPARM** keyword of the **INITPARM** statement was not valid. The default of 0 will be used.

Module: CSQCQCON

Severity: 4

System Action: The MQSeries subsystem is connected with a trace number of 0.

System Programmer Response: Use the CICS adapter control panels (the CKQC transaction) to specify the required trace number. Correct the trace number in the **CSQCPARM** keyword of the **INITPARM** statement to set it automatically next time you connect CICS to MQSeries.

CSQC220D *cics-applid csect-name* **Unable to LINK to program CSQCCON.**

**EIBFN=eibfn EIBRESP=eibresp EIBRESP2=eibresp2
EIBRCODE=eibrcode**

Explanation: An attempt to link to CSQCCON was unsuccessful.

Module: CSQCQCON

Severity: 8

System Action: The connection process terminates, and control returns to CICS.

System Programmer Response: The EIB fields contain information about the cause of the problem. See the *CICS Application Programming Reference* manual for an explanation of these values. Determine the reason for the problem, and use the MQSeries CICS adapter control panels (the CKQC transaction) to retry the connection process.

CSQC223D *cics-applid csect-name* **Unable to LINK to program CSQCQCON.**
EIBFN=eibfn EIBRESP=eibresp EIBRESP2=eibresp2
EIBRCODE=eibrcode

Explanation: An attempt to link to CSQCQCON was unsuccessful.

Module: CSQCCODF

Severity: 8

System Action: The connection process terminates, and control returns to CICS.

System Programmer Response: The EIB fields contain information about the cause of the problem. See the *CICS Application Programming Reference* manual for an explanation of these values. Determine the reason for the problem, and use the MQSeries CICS adapter control panels (the CKQC transaction) to retry the connection process.

CSQC230D *cics-applid csect-name* **Unable to receive input.**
EIBFN=eibfn EIBRESP=eibresp EIBRESP2=eibresp2
EIBRCODE=eibrcode

Explanation: The CICS adapter is unable to receive input from the CKQC transaction.

Module: CSQCQCTL

Severity: 8

System Action: The requested function is not performed.

System Programmer Response: The EIB fields contain information about the cause of the problem. See the *CICS Application Programming Reference* manual for an explanation of these values, and take the appropriate action.

CSQC232D *cics-applid csect-name* **Unable to RETURN TRANSID**
tran-id IMMEDIATE.
EIBFN=eibfn EIBRESP=eibresp EIBRESP2=eibresp2
EIBRCODE=eibrcode

Explanation: An attempt was made to issue an EXEC CICS RETURN TRANSID *tran-id* IMMEDIATE command, but it was unsuccessful.

Module: CSQCPOP, CSQCPULL, CSQCQCTL, CSQCRTN

Severity: 8

System Action: The function terminates, and control returns to CICS.

System Programmer Response: The EIB fields contain information about the cause of the problem. See the *CICS Application Programming Reference* manual for an explanation of these values, and reissue the command.

CSQC235D *cics-applid csect-name* **Unrecognizable screen.**
Re-submit CKQC

Explanation: CICS cannot determine the identifier of the screen currently displayed. Because of this, it cannot interpret the screen contents (including any input fields).

Module: CSQCBASE, CSQCPOP

Severity: 8

System Action: The input is ignored, and the transaction finishes.

System Programmer Response: Resubmit CKQC to restart from the beginning of the CICS transaction.

Problem Determination: If this problem occurs frequently, contact your IBM support center for help.

CSQC236A *cics-applid csect-name* **Display functions only supported using panel interface**

Explanation: The display function can only be used from the MQSeries CICS adapter control panels (the CKQC transaction).

Module: CSQCQCTL, CSQCDSP

Severity: 8

System Action: The command is ignored.

Operator Response: Use the MQSeries CICS adapter control panels to reissue the DISPLAY command.

CSQC237A *cics-applid csect-name* **Panel interface not supported on console**

Explanation: The MQSeries CICS adapter control panels (the CKQC transaction) are not supported on the console.

Module: CSQCQCTL

Severity: 8

System Action: The command is ignored.

Operator Response: Either use a 3270 device to display the MQSeries CICS adapter control panels, or use the command line to enter subsequent commands.

CSQC239D *cics-applid csect-name* **Unable to LINK to program CSQCBASE.**
EIBFN=eibfn EIBRESP=eibresp EIBRESP2=eibresp2
EIBRCODE=eibrcode

Explanation: CKQC could not display the panel because it could not link to CSQCBASE.

Module: CSQCQCTL

Severity: 8

System Action: CKQC ends.

System Programmer Response: The EIB fields contain information about the cause of the problem. See the *CICS Application Programming Reference* manual for an explanation of these values. Determine the reason for the problem, and retry the operation.

CSQC240D *cics-applid csect-name* **Task not associated with a terminal. Request rejected**

Explanation: The request was issued by a task that was not associated with a terminal. This is not allowed.

Module: CSQCDSC, CSQCDSP, CSQCDSP, CSQCQCON, CSQCRST, CSQCSSQ

Severity: 8

System Action: The request is ignored.

Operator Response: Reissue the command from a task that has a 3270 device or console associated with it.

CSQC241D *cics-applid csect-name* **Unable to receive input.**
EIBFN=eibfn EIBRESP=eibresp EIBRESP2=eibresp2
EIBRCODE=eibrcode

Explanation: The system cannot receive input from the screen.

Module: CSQCDSC, CSQCDSP, CSQCDSP, CSQCQCON, CSQCRST, CSQCSSQ

Severity: 8

System Action: The input is ignored, and the transaction is finished.

System Programmer Response: The EIB fields contain information about the cause of the problem. See the *CICS Application Programming Reference* manual for an explanation of these values. Determine the reason for the problem, and retry the operation.

CSQC242D *cics-applid csect-name* **Invalid input. Connect rejected**

Explanation: A connection request was issued with incorrect parameters specified.

Module: CSQCQCON

Severity: 8

System Action: The request is ignored.

Operator Response: Use the MQSeries CICS adapter control panels (the CKQC transaction) to request the function, or check the command syntax in the *MQSeries for OS/390 System Management Guide* and enter it again.

CSQC243D *cics-applid csect-name* **Unsupported terminal type. Must be a console or 3270 device**

Explanation: A request was made by a task that is not associated with a console or 3270 device.

Module: CSQCDSC, CSQCDSP, CSQCDSP, CSQCQCON, CSQCRST, CSQCSSQ

Severity: 8

System Action: The request is ignored.

Operator Response: Check that you have the correct level of the CICS adapter for the version of CICS that you are using.

Reissue the command from a task that has a 3270 device or console associated with it.

CSQC244E *cics-applid csect-name* **CICS is being quiesced. Connect rejected**

Explanation: An attempt has been made to connect to MQSeries, but CICS is shutting down so the connection request has been rejected.

Module: CSQCQCON

Severity: 8

System Action: The connection process terminates, and control returns to CICS.

CSQC300D *cics-applid csect-name* **Already connected to Queue manager *ssnm*. Connect rejected**

Explanation: An attempt has been made to connect to a queue manager, but CICS is already connected to another queue manager so the connection request has been rejected.

Module: CSQCCON

Severity: 8

System Action: The connection process terminates, and control returns to CICS.

Operator Response: To connect to the new queue manager, shut down the current connection and reissue the connection request.

CSQC301I *cics-applid csect-name* **API exit CSQCAPX found and will be used**

Explanation: The CICS API exit program CSQCAPX has been activated.

Module: CSQCCON, CSQCRST

Severity: 0

CSQC302D *cics-applid csect-name* **Unable to EXTRACT EXIT CSQCTRUE.**

EIBFN=*eibfn* **EIBRESP**=*eibresp* **EIBRESP2**=*eibresp2*
EIBRCODE=*eibrcode*

Explanation: An attempt to issue an EXEC CICS EXTRACT EXIT CSQCTRUE command was unsuccessful.

Module: CSQCCON, CSQCDSC, CSQCDSP, CSQCDSP, CSQCDSP, CSQCRST, CSQCSSQ

Severity: 8

System Action: The function terminates, and control returns to CICS.

System Programmer Response: The EIB fields contain information about the cause of the problem. See the *CICS Application Programming Reference* manual for an explanation of these values, and take the appropriate action (for example, use CKQC to restart the connection).

CSQC303I *cics-applid csect-name* **CSQCSERV loaded. Entry point is *address***

Explanation: Module CSQCSERV has been loaded. *address* is the address of the entry point. You might find this information useful during problem determination.

Module: CSQCCON

Severity: 0

CSQC304D *cics-applid csect-name* **Failed to ENABLE CSQCTRUE.**

EIBFN=*eibfn* **EIBRESP**=*eibresp* **EIBRESP2**=*eibresp2*
EIBRCODE=*eibrcode*

Explanation: An attempt to issue an EXEC CICS ENABLE CSQCTRUE command was unsuccessful during a connect process.

Module: CSQCCON

Severity: 8

System Action: The connection process terminates, and control returns to CICS.

System Programmer Response: The EIB fields contain information about the cause of the problem. See the *CICS Application Programming Reference* manual for an explanation of these values, and take the appropriate action.

CSQC305D *cics-applid csect-name* **Unable to INQUIRE MAXTASKS.**

EIBFN=*eibfn* **EIBRESP**=*eibresp* **EIBRESP2**=*eibresp2*
EIBRCODE=*eibrcode*

Explanation: An attempt to issue an EXEC CICS INQUIRE MAXTASKS command was unsuccessful.

Module: CSQCCON

Severity: 8

System Action: The connection process terminates, and control returns to CICS.

System Programmer Response: The EIB fields contain information about the cause of the problem. See the *CICS Application Programming Reference* manual for an explanation of these values, and take the appropriate action.

CSQC306E *cics-applid csect-name* **Unable to START transaction CKTI.**

EIBFN=*eibfn* **EIBRESP**=*eibresp* **EIBRESP2**=*eibresp2*
EIBRCODE=*eibrcode*

Explanation: During the connection process, the MQSeries CICS adapter was unable to start CKTI.

Module: CSQCCON, CSQCSSQ

Severity: 8

System Action: The MQSeries subsystem is connected, but CKTI is not started.

Operator Response: Issue the CKQC transaction, and use the panels to start CKTI after the cause of the problem has been corrected.

System Programmer Response: The EIB fields contain information about the cause of the problem. See the *CICS Application Programming Reference* manual for an explanation of these values, and take the appropriate action.

CSQC307I *cics-applid csect-name* **Successful connection to Queue manager *ssnm***

Explanation: The connection to queue manager *ssnm* was successful.

Module: CSQCCON

Severity: 0

CSQC308D *cics-applid csect-name* **Queue manager *ssnm* is down. Connect request deferred**

Explanation: An attempt to connect to queue manager (*ssnm*) was unsuccessful because *ssnm* was not active.

Module: CSQCCON

Severity: 0

System Action: The connection will be made when *ssnm* becomes active.

Operator Response: Check that you entered the correct queue manager name (*ssnm*). If required, either:

- Start the queue manager (the connection will then be made automatically)
- Use CKQC to connect to an active queue manager.

CSQC309D *cics-applid csect-name* **Unable to connect to Queue manager *ssnm*.**

MQCC=*mqcc* **MQRC**=*mqrc*

Explanation: An attempt to connect to queue manager *ssnm* was unsuccessful.

Module: CSQCCON, CSQCSERV

Severity: 8

System Action: The connection process terminates, and control returns to CICS.

System Programmer Response: Refer to Appendix A, "API completion and reason codes" on page 357 for information about *mqcc* and *mqrc*, and take the appropriate action.

CSQC310D *cics-applid csect-name* **Duplicate connect to Queue manager *ssnm*. Connect rejected**

Explanation: An attempt to connect to a queue manager was unsuccessful because the queue manager is already connected.

Module: CSQCCON

Severity: 8

System Action: The connection process terminates, and control returns to CICS.

CSQC311D *cics-applid csect-name* **Unable to start Alert Monitor CKAM.**

EIBFN=*eibfn* **EIBRESP**=*eibresp* **EIBRESP2**=*eibresp2*
EIBRCODE=*eibrcode*

Explanation: During the connection process, the MQSeries CICS adapter was unable to start the alert monitor CKAM.

Module: CSQCCON

Severity: 8

System Action: The MQSeries subsystem is connected, but CKAM is not started so the function of the MQSeries CICS adapter is restricted.

Operator Response: Without the alert monitor, the MQSeries CICS adapter is unable to perform the following functions:

- It cannot handle a deferred connection
- It cannot respond to an MQSeries subsystem failure
- It cannot perform a warm or immediate shutdown if it needs to wait (that is, the last task carries out shutdown)

It is recommended that you use CKQC to terminate the connection using a forced shutdown of the CICS adapter, and refer to the System Programmer Response.

System Programmer Response: The EIB fields contain information about the cause of the problem. See the *CICS Application Programming Reference* manual for an explanation of these values. When the error has been corrected, use the CKQC transaction to reinitiate the connection.

CSQC312E *cics-applid csect-name* **Unable to GETMAIN CLOC storage.**

EIBFN=*eibfn* **EIBRESP**=*eibresp* **EIBRESP2**=*eibresp2*
EIBRCODE=*eibrcode*

Explanation: The MQSeries CICS adapter was unable to obtain storage for the CLOC control block.

Module: CSQCCON

Severity: 8

System Action: The connection request is rejected.

System Programmer Response: The EIB fields contain information about the cause of the problem. See the *CICS Application Programming Reference* manual for an explanation of these values. This is probably a CICS 'short on storage' problem. Use the procedure followed at your installation to resolve the problem.

CSQC313I *cics-applid csect-name* ***UOWID=connection-name.unit-of-work-id is in doubt**

Explanation: This message is issued at connection time. The unit of work shown is in doubt. An asterisk character preceding the unit-of-work identifier indicates that the unit of work will not be resolved automatically.

System Action: The units of work will be resolved by the distributed queuing component when remote queuing starts.

Module: CSQCCON

Severity: 0

System Programmer Response: See the *MQSeries for OS/390 System Management Guide* for information about resolving the MQSeries unit of recovery associated with the in-doubt CICS unit of work.

CSQC314I *cics-applid csect-name* **UOWIDs highlighted with * will not be automatically resolved**

Explanation: This message appears when there are unresolved in-doubt units of work. Refer to message CSQC313I.

Module: CSQCCON

Severity: 0

CSQC315E *cics-applid csect-name* **Unable to LOAD API exit CSQCAPX.****EIBFN=eibfn EIBRESP=eibresp EIBRESP2=eibresp2 EIBRCODE=eibrcode**

Explanation: The MQSeries CICS adapter is unable to use the API-crossing exit program CSQCAPX. This can be a normal situation if you do not intend to use the API-crossing exit, and have disabled the program CSQCAPX.

Module: CSQCCON, CSQCRST

Severity: 8

System Action: The API-crossing exit is not used.

System Programmer Response: The EIB fields contain information about the cause of the problem. See the *CICS Application Programming Reference* manual for an explanation of these values. If you are trying to use the API-crossing exit, use the data contained in these fields to resolve the problem.

CSQC316I *cics-applid csect-name* **More messages. Check console for full display**

Explanation: This message is displayed if too many messages have been issued to be displayed on the screen.

Module: CSQCQCON, CSQCMRTN

Severity: 0

Operator Response: Check the console for further messages.

CSQC318I *cics-applid csect-name* ***UOWID=connection-name.unit-of-work-id created by Transid trans-id Taskid task-id is in doubt.**

Explanation: This message is issued at connection time. The unit of work shown is in doubt. An asterisk character preceding the unit-of-work identifier indicates that the unit of work will not be resolved automatically.

Module: CSQCCON

Severity: 0

System Programmer Response: See the *MQSeries for OS/390 System Management Guide* for information about resolving the MQSeries unit of recovery associated with the in-doubt CICS unit of work.

CSQC319D *cics-applid csect-name* **Unable to INQUIRE SYSTEM RELEASE. EIBFN=eibfn EIBRESP=eibresp EIBRESP2=eibresp2 EIBRCODE=eibrcode**

Explanation: An attempt to issue an EXEC CICS INQUIRE SYSTEM RELEASE command was unsuccessful.

Module: CSQCCON

Severity: 8

System Action: The connection process terminates, and control returns to CICS.

System Programmer Response: The EIB fields contain information about the cause of the problem. See the *CICS System Programming Reference* manual for an explanation of these values, and take the appropriate action.

CSQC320D *cics-applid csect-name* **CICS Version version Release release is not supported**

Explanation: The version of CICS that you are running is not supported by the version of the MQSeries-CICS adapter that you are using.

Module: CSQCCON

Severity: 8

System Action: The connection process terminates, and control returns to CICS.

CSQC321D *cics-applid csect-name* **There is no active connection. Stop connection rejected**

Explanation: An attempt was made to shut down a connection, but there was no connection active. This could be caused by one of the following:

- A connection had not been made
- The connection had already been shut down
- The connection is still being made (that is, it is pending)

Module: CSQCDSC

Severity: 8

System Action: The request is ignored, and control returns to CICS.

CSQC322D *cics-applid csect-name* **Invalid input. Stop connection rejected**

Explanation: A request to shut down the MQSeries CICS adapter was made, but it was rejected because the syntax of the shutdown request was not valid.

Module: CSQCDSC

Severity: 8

System Action: The request is ignored.

Operator Response: Issue the request again. See the *MQSeries for OS/390 System Management Guide* for details of the correct syntax.

CSQC323I *cics-applid csect-name command received from*
TERMID=termid TRANID=tranid USERID=userid

Explanation: The command to connect or disconnect was received from terminal *termid*. The originating transaction was *tranid* (this could be CKAM). *userid* is the user ID of the operator who used the terminal to initiate the operation. This message is issued on the console for audit trail purposes.

Module: CSQCDSC, CSQCQCON

Severity: 0

CSQC326D *cics-applid csect-name Connection status status is not*
valid for command. Command rejected

Explanation: A request to shut down the MQSeries CICS adapter was made, but it was rejected because a STOP FORCE shutdown had already been requested.

Module: CSQCDSC

Severity: 8

System Action: The request is ignored.

CSQC331I *cics-applid csect-name Adapter shutdown completed*

Explanation: The MQSeries CICS adapter has been shut down. However, it was not able to disconnect from MQSeries (for example, because MQSeries had already shut down).

Module: CSQCDSC

Severity: 4

Operator Response: Look for other messages explaining why the MQSeries CICS adapter could not disconnect from MQSeries.

CSQC332I *cics-applid csect-name Queue manager ssnm is already*
stopped. MQCC=mqcc MQRC=mqrc

Explanation: A request was made to shut down the MQSeries CICS adapter, but MQSeries has already shut down. For example, the operator shuts down both the queue manager and the MQSeries CICS adapter simultaneously. If MQSeries comes down first, it cannot receive the disconnect request from the CICS adapter.

Module: CSQCDSC

Severity: 0

System Action: The adapter shutdown process continues.

Operator Response: If the queue manager is already down, you can ignore this message. Refer to Appendix A, "API completion and reason codes" on page 357 for information about *mqcc* and *mqrc*, and take the appropriate action.

CSQC333E *cics-applid csect-name Unable to disconnect from*
Queue manager ssnm. MQCC=mqcc MQRC=mqrc

Explanation: A request has been made to disconnect from queue manager *ssnm* but it was unsuccessful.

Module: CSQCDSC, CSQCSERV

Severity: 8

System Action: The adapter shutdown process continues.

Operator Response: If the queue manager is already down, you can ignore this message. Refer to Appendix A, "API completion and reason codes" on page 357 for information about *mqcc* and *mqrc*, and take the appropriate action.

CSQC334I *cics-applid csect-name Adapter shutdown successful*

Explanation: The shutdown process has completed successfully.

Module: CSQCDSC

Severity: 0

CSQC336I *cics-applid csect-name command received from a PLT*
program

Explanation: The *command* command was received from a PLT program. This message is issued on the console for audit trail purposes.

Module: CSQCQCON

Severity: 0

CSQC341I *cics-applid csect-name shutdown-type requested by*
alert monitor CKAM

Explanation: The request to shut down the MQSeries CICS adapter was issued by the alert monitor CKAM. *shutdown-type* is either STOP or STOP FORCE. This message is issued on the console for audit trail purposes.

Module: CSQCDSC

Severity: 0

CSQC342I *cics-applid csect-name request received from alert*
monitor

Explanation: Request *request* was received from the alert monitor (CKAM). This message is issued on the console for audit trail purposes.

Module: CSQCQCON

Severity: 0

CSQC360D *cics-applid csect-name Unable to RETRIEVE*
RTRANSID. Monitor terminated.
EIBFN=eibfn EIBRESP=eibresp EIBRESP2=eibresp2
EIBRCODE=eibrcode

Explanation: An attempt to issue an EXEC CICS RETRIEVE RTRANSID was unsuccessful (for example, an unauthorized user has tried to start the alert monitor).

Module: CSQCAMON

Severity: 8

System Action: Processing continues (including the alert monitor if one is already running).

System Programmer Response: The EIB fields contain information about the cause of the problem. See the *CICS Application Programming Reference* manual for an explanation of these values.

CSQC361D *cics-applid csect-name Unexpected invocation.*
Monitor terminated

Explanation: An attempt was made to start the alert monitor by an unrecognized transaction.

Module: CSQCAMON

Severity: 8

System Action: The request is ignored.

CSQC362D *cics-applid csect-name* **Unable to EXTRACT EXIT CSQCTTRUE. Monitor terminated.**
EIBFN=eibfn EIBRESP=eibresp EIBRESP2=eibresp2
EIBRCODE=eibrcode

Explanation: An attempt to issue an EXEC CICS EXTRACT EXIT CSQCTTRUE command was unsuccessful.

Module: CSQCAMON

Severity: 8

System Action: The alert monitor terminates.

System Programmer Response: The EIB fields contain information about the cause of the problem. See the *CICS Application Programming Reference* manual for an explanation of these values. Take the appropriate action, and use the MQSeries CICS adapter control panels (the CKQC transaction) to restart the MQSeries CICS adapter.

CSQC363D *cics-applid csect-name* **Unable to perform WAIT EXTERNAL. Monitor terminated.**
EIBFN=eibfn EIBRESP=eibresp EIBRESP2=eibresp2
EIBRCODE=eibrcode

Explanation: An attempt to perform an EXEC CICS WAIT EXTERNAL was unsuccessful.

Module: CSQCAMON

Severity: 8

System Action: The alert monitor terminates.

System Programmer Response: The EIB fields contain information about the cause of the problem. See the *CICS Application Programming Reference* manual for an explanation of these values, and take the appropriate action.

CSQC364I *cics-applid csect-name* **Monitor terminated normally**

Explanation: There are no remaining active or deferred connections, so the alert monitor has terminated.

Module: CSQCAMON

Severity: 0

CSQC365E *cics-applid csect-name* **Unable to LINK to program CSQCQCON.**
EIBFN=eibfn EIBRESP=eibresp EIBRESP2=eibresp2
EIBRCODE=eibrcode

Explanation: The alert monitor has detected that a deferred connection has been activated, but it cannot link to CSQCQCON.

Module: CSQCAMON

Severity: 8

System Action: The connection process is terminated, and control returns to CICS.

System Programmer Response: The EIB fields contain information about the cause of the problem. See the *CICS Application Programming Reference* manual for an explanation of these values. Use the MQSeries CICS adapter control panels (the CKQC transaction) to make the connection.

CSQC366E *cics-applid csect-name* **Unable to LINK to program CSQCDSC.**
EIBFN=eibfn EIBRESP=eibresp EIBRESP2=eibresp2
EIBRCODE=eibrcode

Explanation: The alert monitor has detected that the MQSeries CICS adapter is ready to shut down but cannot link to CSQCDSC.

Module: CSQCAMON

Severity: 8

System Action: The disconnection process is continued, and control returns to CICS.

System Programmer Response: The EIB fields contain information about the cause of the problem. See the *CICS Application Programming Reference* manual for an explanation of these values. Use the MQSeries CICS adapter control panels (the CKQC transaction) to disconnect from MQSeries.

CSQC368E *cics-applid csect-name* **Invalid PEB type type at location location. PEB ignored**

Explanation: A pending event was not of the type expected by the alert monitor.

Module: CSQCAMON

Severity: 8

System Action: The pending event is discarded.

Problem Determination: If this problem occurs frequently, collect the following diagnostic items, and contact your IBM support center for help:

- A note of the values returned in the message
- Any trace information collected

CSQC369E *cics-applid csect-name* **More than 99 notify messages outstanding. This message is postponed temporarily**

Explanation: More than 99 pending events have been established. (For example, attempts have been made to connect to more than 99 systems that are not running.)

Module: CSQCAMON

Severity: 8

System Action: The event is not processed until one of the other 99 events has expired.

Operator Response: If you want to clean up the system, shut down and restart CICS.

CSQC380D *cics-applid csect-name* **No active connection. command rejected**

Explanation: An attempt to start or stop CKTI or to use the DISPLAY/RESET function, was unsuccessful because there was no active connection between MQSeries and CICS.

Module: CSQCDSPL, CSQCDSPL, CSQCRST, CSQCSSQ

Severity: 8

System Action: The command is ignored.

Operator Response: Establish a connection, and reissue the command.

CSQC381D *cics-applid csect-name* **No initiation queue name specified at connect time. command rejected**

Explanation: An attempt was made to start or stop CKTI using the default queue name, but the default queue name was not found. This was because the current connection does not have an initiation queue name associated with it.

Module: CSQCSSQ

Severity: 8

System Action: The command is ignored.

Operator Response: Specify the queue name explicitly.

System Programmer Response: If you require a default queue name, specify one when you perform the connection process. See the *MQSeries for OS/390 System Management Guide* for information about how to achieve this.

CSQC382D *cics-applid csect-name* **CKTI with the same initiation queue name is being started. command rejected**

Explanation: An attempt was made to start CKTI specifying the name of an initiation queue that is used by another CKTI being started.

Module: CSQCSSQ

Severity: 8

System Action: The command is ignored.

Operator Response: Review the console for messages in the range CSQC100D through CSQC109D for further information, or use CICS operator commands (for example CEMT INQ TASK) to determine why the CKTI started earlier is not running.

CSQC383D *cics-applid csect-name* **Another CKTI with the same initiation queue name is still running. command rejected**

Explanation: An attempt was made to start CKTI specifying the name of an initiation queue that is already used by a CKTI which is still running.

Module: CSQCSSQ

Severity: 8

System Action: The command is ignored.

Operator Response: If required, use the MQSeries CICS adapter control panels (the CKQC transaction) to stop the existing CKTI, and restart.

CSQC384D *cics-applid csect-name* **Another CKTI with the same initiation queue name is being stopped. command rejected**

Explanation: Either:

- An attempt was made to start CKTI with an initiation queue name the same as the one that is currently being stopped.
- An attempt was made to stop an initiation queue that was already in the process of stopping.

Module: CSQCSSQ

Severity: 8

System Action: The command is ignored.

Operator Response: Wait until the initiation queue has stopped, and then reissue the start command if required.

CSQC385D *cics-applid csect-name* **CKTI not found. command rejected**

Explanation: An attempt to stop CKTI was unsuccessful because the queue name specified was not found. This is because either:

- The name of the initiation queue was specified incorrectly
- The CKTI has already stopped

Module: CSQCSSQ

Severity: 8

System Action: The command is ignored.

Operator Response: Verify the name of the initiation queue, and reissue the command if necessary.

CSQC386I *cics-applid csect-name* **command initiated from TERMID=term-id TRANID=tran-id USERID=user-id and is accepted**

Explanation: The MQSeries CICS adapter has processed the command *command*. However, the CICS task might not have completed processing of the command yet (for example, CKTI could be waiting for a certain event to occur before it can be stopped). *command* can be either STARTCKTI, STOPCKTI, or RESET.

Module: CSQCRST, CSQCSSQ

Severity: 0

CSQC389D *cics-applid csect-name* **Invalid input. Start/Stop CKTI rejected**

Explanation: The syntax of the command entered was incorrect.

Module: CSQCSSQ

Severity: 8

System Action: The command is rejected

System Programmer Response: See the *MQSeries for OS/390 System Management Guide* for details of the correct syntax of the command, or use the MQSeries CICS adapter control panels (the CKQC transaction) to request the function.

CSQC400I *cics-applid csect-name*
UOWID=connection-name.unit-of-work-id

Explanation: This message gives the connection name and the identifier of a unit of work and appears with one of the following messages:

- CSQC402I
- CSQC403I
- CSQC404E
- CSQC405E
- CSQC406E
- CSQC407E

You can use the connection name when using MQSeries commands (for example, RESOLVE INDOUBT).

Module: CSQCTRUE

Severity: 0

CSQC402I *cics-applid csect-name* **Resolved COMMIT for**

Explanation: The syncpoint coordinator has informed MQSeries that the unit of work indicated by the accompanying CSQC400I message has been committed.

Module: CSQCTRUE

Severity: 0

CSQC403I *cics-applid csect-name* **Resolved BACKOUT for**

Explanation: The syncpoint coordinator has informed MQSeries that the unit of work indicated by the accompanying CSQC400I message has been backed out.

Module: CSQCTRUE

Severity: 0

CSQC404E *cics-applid csect-name* **Resolve failed. MQCC=mqcc MQRC=mqrc**

Explanation: The syncpoint coordinator requested that the unit of work indicated by the accompanying CSQC400I message be committed or backed out. However, MQSeries was unable to do this.

Module: CSQCTRUE

Severity: 8

System Action: The unit of work remains in doubt.

System Programmer Response: If you want to resolve the unit of work:

- Diagnose the cause of the problem and correct it (refer to Appendix A, "API completion and reason codes" on page 357 for information about *mqcc* and *mqrc*)
- Disconnect MQSeries
- Use the MQSeries CICS adapter control panels (the CKQC transaction) to reconnect MQSeries

CSQC405E *cics-applid csect-name* **Execute resolve failed. MQCC=mqcc MQRC=mqrc**

Explanation: The syncpoint coordinator requested that resolution of the units of work be executed. However, MQSeries was unable to do this.

Module: CSQCTRUE

Severity: 8

System Action: The units of work remain in doubt.

System Programmer Response: Refer to Appendix A, "API completion and reason codes" for information about *mqcc* and *mqrc* to determine the cause of the problem. See the *MQSeries for OS/390 System Management Guide* for information about resolving the MQSeries unit of recovery associated with the in-doubt CICS unit of work.

CSQC406E *cics-applid csect-name* **Resolved UERTDGCS for**

Explanation: The syncpoint coordinator has been subjected to a cold start. Information regarding units of work has been lost, so the coordinator cannot inform the MQSeries CICS adapter whether to commit or back out the unit of work indicated by the accompanying CSQC400I message.

For information about UERTDGCS, see the *CICS Customization Guide*.

Module: CSQCTRUE

Severity: 8

System Action: The unit of work remains in doubt.

Operator Response: Determine how to resolve the in-doubt unit of work. See the *MQSeries for OS/390 System Management Guide* for information about resolving the MQSeries unit of recovery associated with the in-doubt CICS unit of work.

CSQC407E *cics-applid csect-name* **Resolved UERTDGNK for**

Explanation: The syncpoint coordinator cannot find a decision about resolving the unit of work indicated by the accompanying CSQC400I message. The coordinator cannot inform the MQSeries CICS adapter whether to commit or back out the unit of work.

For information about UERTDGNK, see the *CICS Customization Guide*.

Module: CSQCTRUE

Severity: 8

System Action: The unit of work remains in-doubt.

Operator Response: Determine how to resolve the in-doubt unit of work. See the *MQSeries for OS/390 System Management Guide* for information about resolving the MQSeries unit of recovery associated with the in-doubt CICS unit of work.

CSQC408I *cics-applid csect-name* **Only partial resynchronization achieved. Check above messages**

Explanation: Total resynchronization was not achieved; some units of work remain in doubt.

Module: CSQCTRUE

Severity: 0

Operator Response: Action any messages received before this one which indicate units of work that have not been resolved. When there are no more in-doubt units of work you will receive message CSQC409I.

CSQC409I *cics-applid csect-name* **Resynchronization completed successfully**

Explanation: Resynchronization has completed successfully; all units of work have been resolved.

Module: CSQCTRUE

Severity: 0

CSQC410I *cics-applid csect-name* **CICS immediate shutdown detected. Adapter terminated**

Explanation: CICS has notified the MQSeries CICS adapter that it is shutting down immediately.

Module: CSQCTRUE

Severity: 0

System Action: The MQSeries CICS adapter initiates an immediate shutdown. Any in-flight tasks using MQSeries are backed out when the connection is broken by CICS.

Operator Response: See the *MQSeries for OS/390 System Management Guide* for more information about MQSeries CICS adapter shutdown.

CSQC411I *cics-applid csect-name* **CICS warm shutdown detected. Adapter is quiescing**

Explanation: CICS has notified the MQSeries CICS adapter that it has initiated a warm shutdown.

Module: CSQCTRUE

Severity: 0

System Action: The MQSeries CICS adapter initiates a quiesced shutdown.

Operator Response: See the *MQSeries for OS/390 System Management Guide* for more information about MQSeries CICS adapter shutdown.

CSQC412I *cics-applid csect-name* **CICS abend detected. Adapter terminated**

Explanation: The MQSeries CICS adapter detected a CICS abend.

Module: CSQCTRUE

Severity: 0

System Action: The MQSeries CICS adapter is terminated.

CSQC413I *cics-applid csect-name* **Task ID *id* force purge deferred until its current request has completed**

Explanation: The task with an identifier of *id* is being force purged by the operator while it is waiting for an outstanding request to complete. The force purge will not be processed until the outstanding request completes.

Module: CSQCTRUE

Severity: 0

System Action: If the task reaches a must-complete state (for example, syncpoint) the task is not ended after the request has been completed. Otherwise, it will terminate with an abend code of AEXY. For more information about these CICS abend codes, see the relevant *CICS Messages and Codes* manual.

CSQC414I *cics-applid csect-name* **Abending task ID *id* abend-code**

Explanation: The task with an identifier of *id* has been force purged by the operator, and abends with *abend-code*.

Module: CSQCTRUE

Severity: 0

System Action: The outstanding task has been completed and, because it is not in a must-commit state, the MQSeries CICS adapter ends the task abnormally. For more information about the CICS abend code, see the *CICS Messages and Codes* manual.

CSQC415I *cics-applid csect-name* **Task ID *id* will continue. Force purge ignored**

Explanation: The task with an identifier of *id* has been force purged by the operator.

Module: CSQCTRUE

Severity: 0

System Action: The outstanding task has been completed but, because it is in a must-commit state (for example, syncpoint), the MQSeries CICS adapter does not end the task.

CSQC416I *cics-applid csect-name* **Address *address* is out of range. Area of length *length* is not traced**

Explanation: An address (*address*) passed from an application was out of range for one of the following reasons:

- The address plus the length of the area to be traced exceeds the 2GB addressing limit
- The address is not within the private area storage of the CICS region as regarded by OS/390

Because of this, the CICS trace facility is unable to trace the area.

Module: CSQCTRUE

Severity: 0

System Action: This message is inserted into the CICS trace, and processing continues.

System Programmer Response: If the address is in error, correct the application.

CSQC417I *cics-applid csect-name* **CICS is Version *version* Release *release***

Explanation: This message is issued to show which version of CICS you are using.

Module: CSQCCON

Severity: 0

CSQC418D *cics-applid csect-name* **Unable to LOAD program CSQAVICM.**

**EIBFN=*eibfn* EIBRESP=*eibresp* EIBRESP2=*eibresp2*
EIBRCODE=*eibrcode***

Explanation: An attempt to load CSQAVICM was unsuccessful.

Module: CSQCTRUE

Severity: 8

System Action: The process terminates, and control returns to CICS.

System Programmer Response: The EIB fields contain information about the cause of the problem. See the *CICS Application Programming Reference* manual for an explanation of these values.

CSQC419I *cics-applid csect-name* **No server subtasks available. Task will abend**

Explanation: A task has issued an MQI call that requires task switching, but there are no server subtasks available. This might be because the subtasks have not yet started, or did not start successfully. (Message CSQC472I is issued for each subtask started; there should be eight subtasks.)

Module: CSQCTRUE

Severity: 0

System Action: The task is ended abnormally with code QNST.

CSQC420D *cics-applid csect-name* **Unable to send map *map-id* mapset CSQCMS.**

**EIBFN=*eibfn* EIBRESP=*eibresp* EIBRESP2=*eibresp2*
EIBRCODE=*eibrcode***

Explanation: The program was unable to send map *map-id* from the map set CSQCMS to the screen.

Module: CSQCBASE, CSQCPOP, CSQCPULL, CSQCRTN

Severity: 8

System Action: The task is terminated.

System Programmer Response: The EIB fields contain information about the cause of the problem. See the *CICS Application Programming Reference* manual for an explanation of these values, and take the appropriate action.

CSQC421A *cics-applid csect-name* **Tab cursor was not on a valid object**

Explanation: The cursor was not in the correct position when the enter key was pressed.

Module: CSQCBASE

Severity: 8

System Action: The input is ignored.

Operator Response: Use the tab key to move the cursor to a valid position.

CSQC422D *cics-applid csect-name* **Unable to RETURN TRANSID CKBM.**

EIBFN=*eibfn* **EIBRESP**=*eibresp* **EIBRESP2**=*eibresp2*
EIBRCODE=*eibrcode*

Explanation: An attempt was made to issue an EXEC CICS RETURN TRANSID CKBM command, but it was unsuccessful.

Module: CSQCBASE, CSQCPOP, CSQCPULL, CSQCRTN

Severity: 8

System Action: The transaction terminates, and control returns to CICS.

System Programmer Response: The EIB fields contain information about the cause of the problem. See the *CICS Application Programming Reference* manual for an explanation of these values, and take the appropriate action.

CSQC423D *cics-applid csect-name* **Unable to XCTL to program**

pgm-name.
EIBFN=*eibfn* **EIBRESP**=*eibresp* **EIBRESP2**=*eibresp2*
EIBRCODE=*eibrcode*

Explanation: An attempt to transfer control to program *pgm-name* was unsuccessful.

Module: CSQCBASE

Severity: 8

System Action: The transaction terminates, and control returns to CICS.

System Programmer Response: The EIB fields contain information about the cause of the problem. See the *CICS Application Programming Reference* manual for an explanation of these values, and take the appropriate action.

CSQC424D *cics-applid csect-name* **Invalid key entered**

Explanation: The function key pressed was not valid for this panel.

Module: CSQCBASE, CSQCPOP, CSQCPULL, CSQCRTN

Severity: 8

System Action: The key is ignored.

Operator Response: Use one of the function keys shown at the bottom of the panel.

CSQC425D *cics-applid csect-name* **No parameter window for this function**

Explanation: An attempt was made to display a parameter window. There are no parameters for the function selected, so there is no parameter window to display.

Module: CSQCRTN

Severity: 8

System Action: The request is ignored.

CSQC430D *cics-applid csect-name* **Unknown map name**

map-name.

EIBFN=*eibfn* **EIBRESP**=*eibresp* **EIBRESP2**=*eibresp2*
EIBRCODE=*eibrcode*

Explanation: CICS was unable to locate the map specified (for example, because the map was not defined during the installation procedure). *map-name* is the name of the map in question.

Module: CSQCPOP, CSQCPULL

Severity: 8

System Action: The transaction terminates.

System Programmer Response: The EIB fields contain information about the cause of the problem. See the *CICS Application Programming Reference* manual for an explanation of these values, and take the appropriate action.

CSQC431D *cics-applid csect-name* **Invalid action number. Re-enter**

Explanation: The action number specified was out of the range available.

Module: CSQCPULL

Severity: 8

System Action: The request is ignored.

Operator Response: Specify an action number in the range displayed.

CSQC432D *cics-applid csect-name* **Invalid task number. Re-enter**

Explanation: The task number specified was out of the range requested.

Module: CSQCPULL

Severity: 8

System Action: The request is ignored.

System Programmer Response: Specify a task number in the range displayed.

CSQC433D *cics-applid csect-name* **Invalid option. Must be 1, 2, 3 or 4**

Explanation: The value entered was not 1, 2, 3, or 4.

Module: CSQCPOP

Severity: 8

System Action: The value is rejected.

Operator Response: Enter a value of either 1, 2, 3, or 4 on the pop up screen.

CSQC434D *cics-applid csect-name* **Queue manager name missing. Must be entered**

Explanation: The queue manager name was not specified on the connection parameter panel.

Module: CSQCPOP

Severity: 8

System Action: The connection request is rejected.

Operator Response: Enter the name of the required queue manager on the panel.

System Programmer Response: If a default name is required, specify the queue manager name in **CSQCPARM**. See the

MQSeries for OS/390 System Management Guide for information about how to do this.

CSQC435D *cics-applid csect-name* **Invalid trace number. Must be numeric**

Explanation: The trace number entered was not numeric.

Module: CSQCPOP, CSQCRST

Severity: 8

System Action: The request is ignored.

Operator Response: Enter a numeric trace number (in the range 0 through 199).

CSQC436D *cics-applid csect-name* **Invalid trace number. Must be < 200**

Explanation: The trace number entered was not in the valid range.

Module: CSQCPOP, CSQCRST

Severity: 8

System Action: The request is ignored.

Operator Response: Enter a trace number in the range 0 through 199.

CSQC438D *cics-applid csect-name* **Trace number missing. Must be entered**

Explanation: Option 4 has been selected to change the trace number, but the new trace number has not been entered.

Module: CSQCPOP

Severity: 8

System Action: The request is rejected.

Operator Response: Either enter a new trace number (in the range 0 through 199), or choose another option.

CSQC439D *cics-applid csect-name* **Invalid Stop option. Must be 1 or 2**

Explanation: The shutdown option number was not a valid value.

Module: CSQCPOP

Severity: 8

System Action: The request is ignored.

Operator Response: Specify either 1 or 2.

CSQC440D *cics-applid csect-name* **Unable to send map *map-name* mapset CSQCMSH. EIBFN=*eibfn* EIBRESP=*eibresp* EIBRESP2=*eibresp2* EIBRCODE=*eibrcode***

Explanation: The program was unable to send map *map-name* from the mapset CSQCMSH to the screen.

Module: CSQCBASE, CSQCPOP, CSQCPULL, CSQCRTN

Severity: 8

System Action: The task is terminated.

System Programmer Response: The EIB fields contain information about the cause of the problem. See the *CICS Application Programming Reference* manual for an explanation of these values, and take the appropriate action.

CSQC443D *cics-applid csect-name* **Unable to RETURN TRANSID CKRT.**

EIBFN=*eibfn* EIBRESP=*eibresp* EIBRESP2=*eibresp2* EIBRCODE=*eibrcode*

Explanation: An attempt to issue an EXEC CICS RETURN TRANSID CKRT command was unsuccessful.

Module: CSQCRTN

Severity: 8

System Action: The command is ignored.

System Programmer Response: The EIB fields contain information about the cause of the problem. See the *CICS Application Programming Reference* manual for an explanation of these values, and take the appropriate action.

CSQC450E *cics-applid csect-name* **Unable to ENTER TRACENUM.**

EIBFN=*eibfn* EIBRESP=*eibresp* EIBRESP2=*eibresp2* EIBRCODE=*eibrcode*

Explanation: An attempt to issue an EXEC CICS ENTER TRACENUM command was unsuccessful.

Module: CSQCRST

Severity: 8

System Action: The trace number specified is accepted, but the adapter cannot perform tracing.

System Programmer Response: The EIB fields contain information about the cause of the problem. See the *CICS Application Programming Reference* manual for an explanation of these values.

CSQC451I *cics-applid csect-name* **Nothing to reset. Reset completed**

Explanation: A reset request was made, but no values were specified to indicate what should be reset.

Module: CSQCRST

Severity: 8

System Action: Nothing is reset.

Operator Response: If you want to reset anything, specify values in the required fields.

CSQC452D *cics-applid csect-name* **Invalid input. Reset rejected**

Explanation: A request was made to the reset function without using the MQSeries CICS adapter control panels. The command syntax was incorrect.

Module: CSQCRST

Severity: 8

System Action: The command is ignored.

System Programmer Response: See the *MQSeries for OS/390 System Management Guide* for details of the correct syntax.

CSQC453I *cics-applid csect-name* **Status of connection to *ssnm* is *status*. *number* tasks are in-flight**

Explanation: This message is issued as the reply to the CKQC DISPLAY command, and gives the status of the connection to MQSeries subsystem *ssnm* and the number of tasks that are in-flight on that connection.

Module: CSQCDSPL

Severity: 0

CSQC455D *cics-applid csect-name* **Unable to WRITEQ TS.**
EIBFN=*eibfn* EIBRESP=*eibresp* EIBRESP2=*eibresp2*
EIBRCODE=*eibrcode*. Queue name is *q-name*

Explanation: An attempt to issue an EXEC CICS WRITEQ TS command was unsuccessful.

Module: CSQCDSP

Severity: 8

System Action: The display function is terminated.

System Programmer Response: The EIB fields contain information about the cause of the problem. See the *CICS Application Programming Reference* manual for an explanation of these values, and take the appropriate action.

CSQC456I *cics-applid csect-name* **No tasks found. Display completed**

Explanation: A request was made to display tasks, but there are no current tasks using MQSeries services.

Module: CSQCDSP

Severity: 0

CSQC457I *cics-applid csect-name* **No CKTI found. Display rejected**

Explanation: A request was made to display CKTI, but there were no instances of CKTI started.

Module: CSQCDSP

Severity: 0

CSQC458D *cics-applid csect-name* **Invalid input. Display rejected**

Explanation: An attempt was made to request a display function, but not using the MQSeries CICS adapter control panels. This is not supported.

Module: CSQCDSP, CSQCDSPL

Severity: 8

System Action: The command is rejected.

System Programmer Response: Use the MQSeries CICS adapter control panels to request the display function.

CSQC460I *cics-applid csect-name* **Bottom of display**

Explanation: An attempt was made to scroll forward, but the bottom of the display has already been reached.

Module: CSQCRTN

Severity: 0

CSQC461I *cics-applid csect-name* **Top of display**

Explanation: An attempt was made to scroll backward, but the top of the display has already been reached.

Module: CSQCRTN

Severity: 0

CSQC462D *cics-applid csect-name* **Invalid input. Request rejected**

Explanation: An attempt was made to issue the internal transaction CKRT by direct terminal input, or in an otherwise invalid way.

Module: CSQCRTN

Severity: 8

System Action: The command is rejected.

System Programmer Response: Do not use CKRT in this way.

CSQC470I *cics-applid csect-name* **Server subtask (TCB address=*address*) terminated**

Explanation: The MQSeries CICS adapter is being shut down, and the server task with TCB address *address* has been terminated.

Module: CSQCSERV

Severity: 0

CSQC471A *cics-applid csect-name* **Server subtask (TCB address=*address*) unable to establish ESTAE.**
R15=*r-15*

Explanation: The server subtask TCB was trying to establish an OS/390 ESTAE but failed. The reason of the failure is indicated by the value of R15. This error occurred while the server subtask was undergoing its initialization phase, so no CICS tasks will have been affected.

Module: CSQCSERV

Severity: 8

System Action: The server subtask TCB terminates. The MQSeries CICS adapter continues without that particular server.

System Programmer Response: See the *MVS Programming: Assembler Services Reference* to determine the reason why the ESTAE call failed and take appropriate action if possible. Restart the connection using the CKQC transaction.

If you are unable to resolve the problem, contact your IBM support center.

CSQC472I *cics-applid csect-name* **Server subtask (TCB address=*address*) connect successful**

Explanation: The MQSeries CICS adapter is starting, and the server task with the TCB address *address* has made a connection to MQSeries.

Module: CSQCSERV

Severity: 0

CSQC480I *cics-applid csect-name* **MQCC=*mqqc* MQRC=*mqrq* QRPL at *qrpl-address* FRB at *frb-address***

Explanation: This message is used as the title for an MQSeries CICS adapter dump if an unexpected error occurs. *qrpl-address* is the address of the queue request parameter list and *frb-address* is the address of the function request block.

Module: CSQCTRUE

Severity: 0

CSQC481I *cics-applid csect-name* Unexpected error. MQCC=mqcc
MQRC=mqrc FRB at frb-address

Explanation: This message is used as the title for an MQSeries CICS adapter dump if an unexpected error occurs. *frb-address* is the address of the function request block.

Module: CSQCCON, CSQCDCS

Severity: 0

CSQC700I *transid taskid IBM MQSeries for OS/390 version – CICS*
bridge. Copyright(c) 1997,1999 IBM, All rights reserved

Explanation: Copyright statement.

System Programmer Response: None.

CSQC701E *transid taskid* Structld invalid in bridge global data
area, monitor has probably quiesced

Explanation: A bridge task found that the area pointed to by the global data address passed to it in its start data did not contain the expected identifier. This is probably because the monitor task has terminated with a bridge task start request queued. The bridge task checks the global data area at startup and terminates if the structure identifier is not valid.

System Programmer Response: None. The request will be processed when the monitor is restarted.

CSQC702I *transid taskid* Monitor initialization complete

Explanation: Monitor initialization completed successfully.

System Programmer Response: None.

CSQC703I *transid taskid* Auth=auth-option, WaitInterval=interval,
Q=q-name

Explanation: This confirms the monitor start options. Although the WAIT parameter is supplied in seconds, *Interval* is shown in milliseconds; -1 implies WaitUnlimited.

System Programmer Response: None.

CSQC704E *transid taskid* EXEC CICS call error. EIBFN=eibfn,
EIBRESP=eibresp, EIBRESP2=eibresp2

Explanation: An error occurred in a CICS call issued by the bridge.

System Programmer Response: See the *CICS Application Programming* manual for an explanation of *eibfn*, *eibresp*, and *eibresp2*.

CSQC705E *transid taskid* Parameter at offset *n* in input string is
invalid

Explanation: The parameter at offset *n* in the start parameter string for the bridge monitor is invalid.

System Programmer Response: Correct the parameter and restart the bridge monitor.

CSQC706E *transid taskid* Authentication option invalid for this
release of CICS

Explanation: The authentication option requested is not supported. CICS/ESA® 3.3 only supports the LOCAL and VERIFY_UOW authentication options. Other versions of the bridge can only support LOCAL.

System Programmer Response: Choose a supported authentication option for the release of CICS and restart the bridge monitor.

CSQC707I *transid taskid* Bridge not supported on non-OS/390
platforms. Results are unpredictable

Explanation: The bridge is being run on a system other than OS/390. This might work, but is not supported.

System Programmer Response: None.

CSQC708E *transid taskid* Monitor must run at a terminal to use
AUTH=VERIFY_UOW on CICS/ESA V3

Explanation: AUTH=VERIFY_UOW was requested. AUTH=VERIFY_UOW on CICS/ESA 3.3 requires that the monitor is run at a terminal.

System Programmer Response: Restart the bridge monitor from a terminal or set AUTH=LOCAL.

CSQC709E *transid taskid* Preset security not valid for
AUTH=VERIFY_UOW on CICS/ESA V3

Explanation: AUTH=VERIFY_UOW was requested. AUTH=VERIFY_UOW on CICS/ESA 3.3 requires that the monitor is run at a terminal, but that terminal might not have preset security.

System Programmer Response: Redefine the terminal, or use a different one, before restarting the monitor, or set AUTH=LOCAL.

CSQC710E *transid taskid* MQI call failed, MQCC=mqcc,
MQRC=mqrc

Explanation: An error occurred in an MQI call issued by the bridge.

System Programmer Response: Refer to Appendix A, "API completion and reason codes" on page 357 for information about *mqcc* and *mqrc*.

CSQC711E *transid taskid* Unable to open bridge queue, *q-name*

Explanation: The bridge queue specified is not known to the queue manager.

System Programmer Response: Check the bridge queue is defined correctly and specified on the Q= parameter of the bridge startup for CKBR.

CSQC712I *transid taskid* Bridge quiescing

Explanation: Monitor quiesce has been initiated. This would normally be because CICS or MQSeries is shutting down or because the operator has set the bridge queue GET(DISABLED).

System Programmer Response: None.

CSQC713I *transid taskid* Bridge terminated normally

Explanation: Monitor shutdown completed normally.

System Programmer Response: None.

CSQC715E *transid taskid* Invalid COMMAREA length *length* in message

Explanation: The COMMAREA length calculated by the bridge is not valid. It probably exceeds the maximum of 32767. This error can also occur if a negative length was calculated.

System Programmer Response: If OutputDataLength is set within the MQCIH, check it does not exceed 32759 (allowing 8 bytes for the program name). If it is not set, check the total request message length (also allowing 8 bytes for the program name). The length of any MQCIH must not exceed 32767. Note that the length of the MQCIH is taken from the MQCIH length field.

CSQC716E *transid taskid* MQCIH required for UOW middle and last messages

Explanation: A bridge task has received a message for a second or subsequent MQGET call within a multipart unit of work. The correlation identifier matches the message identifier of the first message within the unit of work, but the message does not contain an MQCIH. The unit of work is backed out.

System Programmer Response: Make sure that all messages within a multipart unit of work contain an MQCIH and rerun the unit of work.

CSQC717E *transid taskid* UOW first or only received when UOW middle or last expected

Explanation: A bridge task has received a message for a second or subsequent MQGET call within a multipart unit of work. The correlation identifier matches the message identifier of the first message within the unit of work, but the UOWControl field within the MQCIH is invalid. It is set to MQCUOWC_FIRST or MQCUOWC_ONLY when MQCUOWC_MIDDLE, MQCUOWC_LAST, MQCUOWC_COMMIT, or MQCUOWC_BACKOUT is required. The unit of work is backed out.

System Programmer Response: Correct the UOWControl field and rerun the unit of work.

CSQC718E *transid taskid* UOW middle or last received when UOW first or only expected

Explanation: The bridge monitor has received a request message for a new unit of work, the correlation identifier is set to MQCI_NEW_SESSION but the UOWControl field within the MQCIH is set to something other than MQCUOWC_FIRST or MQCUOWC_ONLY.

System Programmer Response: Correct the UOWControl field and rerun the unit of work.

CSQC720E *transid taskid* Authentication option IDENTIFY or VERIFY requires a security manager to be active

Explanation: An attempt has been made to start the bridge monitor with AUTH=IDENTIFY or VERIFY_* but security is not active for the CICS system.

System Programmer Response: Activate security, or choose a different authentication option.

CSQC721E *transid taskid* Invalid MQCIH

Explanation: A message has been received by the bridge with an MQMD format field of MQFMT_CICS but the data does not begin with a valid MQCIH. Either the StrucId, Version, or StrucLength is incorrect.

System Programmer Response: Check the version of the header and compare with the level supported by the bridge. Correct the format or the user data as appropriate.

CSQC722E *transid taskid* Invalid message removed from bridge queue

Explanation: This message is issued during monitor initialization. The first message on the queue should be a request to start a unit of work, that is, it should have correlation identifier of MQCI_NEW_SESSION. The monitor removes any messages preceding the first MQCI_NEW_SESSION, copies them to the dead-letter queue and issues this message followed by message CSQC760I.

System Programmer Response: If this is not caused by a failure for a previous request within a unit of work that has already been reported and actioned, correct the request message and rerun the unit of work.

CSQC723E *transid taskid* Bridge task, *taskid*, found on starting or active chain but task is no longer active

Explanation: An unexpected error has occurred in a bridge task causing it to terminate without notifying the monitor. The monitor has detected this and issued this message during recovery processing.

System Programmer Response: Investigate the cause of the bridge failure by examining any error messages and dumps for the task number given.

CSQC724E *transid taskid* Bridge queue *q-name* must be defined as local

Explanation: The bridge queue specified is not defined as a local queue.

System Programmer Response: Redefine the bridge request queue as a local queue.

CSQC725I *transid taskid* Messages on bridge queue are not persistent by default

Explanation: The bridge queue is defined with DEFPSIST(NO). Request messages should be persistent to guarantee that they will be processed.

System Programmer Response: None. The message is for information only.

CSQC726I *transid taskid* Bridge queue backout count not hardened

Explanation: The bridge queue is defined with NOHARDENBO.

System Programmer Response: Alter the queue definition to set HARDENBO. The queue should be defined with HARDENBO to ensure that the bridge does not try to process a unit of work a second time following a CICS emergency restart.

CSQC727I *transid taskid* **Bridge queue defined with MSGDLVSQ(PRIORITY), but should be FIFO for efficiency**

Explanation: The bridge queue is defined with PRIORITY message delivery sequence. Processing of high priority messages could be delayed if they are added to the queue ahead of the monitor's browse cursor.

System Programmer Response: Alter the queue definition to set MSGDLVSQ(FIFO).

CSQC728E *transid taskid* **Bridge queue already open. Check no CKBR or bridge tasks are active for this queue**

Explanation: An MQINQ call for the bridge queue found that another process had the queue open for input. This is not allowed when the monitor starts.

System Programmer Response: Check that no monitor task (CKBR) is already active for this queue. Message CSQC703I can be used to check which queue a monitor is servicing. If no monitor is active, check if any bridge tasks that were started by a previous monitor are still active (see CSQC743I messages).

CSQC729I *transid taskid* **No dead-letter queue defined to queue manager**

Explanation: There is no dead-letter queue defined to the queue manager. The bridge will be terminated if any error occurs that would result in a message being sent to the dead-letter queue.

System Programmer Response: Alter the queue manager to define a dead-letter queue if dead-letter processing is required.

CSQC730I *transid taskid* **Unable to open dead-letter queue, MQRC=mqrc**

Explanation: The dead-letter queue defined to the queue manager could not be opened. The bridge will be terminated if any error occurs that would result in a message being sent to the dead-letter queue.

System Programmer Response: Refer to Appendix A, "API completion and reason codes" on page 357 for information about *mqrc*.

CSQC731W *transid taskid* **Unable to inquire on dead-letter queue, MQRC=mqrc**

Explanation: An MQINQ call on the dead-letter queue failed. The bridge will be terminated if any error occurs that would result in a message being sent to the dead-letter queue.

System Programmer Response: Refer to Appendix A, "API completion and reason codes" on page 357 for information about *mqrc*.

CSQC732I *transid taskid* **Unable to put message to dead-letter queue, MQRC=mqrc**

Explanation: An MQPUT to the dead-letter queue failed. If this error occurs in a bridge task, the unit of work is backed out. If this error occurs in the monitor, the monitor will be abnormally terminated.

System Programmer Response: Refer to Appendix A, "API completion and reason codes" on page 357 for information about *mqrc*.

CSQC733I *transid taskid* **Dead-letter queue not defined as usage normal**

Explanation: The dead-letter queue is not defined correctly. The bridge will be terminated if any error occurs that would result in a message being sent to the dead-letter queue.

System Programmer Response: Ensure the dead-letter queue is not defined as a transmission queue.

CSQC734I *transid taskid* **Dead-letter queue max message length length too small**

Explanation: The maximum message length allowed for the dead-letter queue is less than the size of the dead-letter header, MQDLH. The bridge will be terminated if any error occurs that would result in a message being sent to the dead-letter queue.

System Programmer Response: Increase the MAXMSGL of the dead-letter queue to at least the size of the MQDLH but, to be effective, make it large enough to hold the largest request message expected plus the MQDLH.

CSQC735I *transid taskid* **CICS or MQSeries or queue manager quiesced before bridge task started**

Explanation: The bridge task received a quiescing return code from an MQOPEN call of the request queue or an MQGET call for the first message within a unit of work.

System Programmer Response: None. The request will be processed when CICS, MQSeries, or the monitor are restarted.

CSQC736I *transid taskid* **Bridge quiesced before task started**

Explanation: The bridge quiesced before a bridge task could get the first message within a unit of work.

System Programmer Response: None. The request will be processed when the monitor is restarted.

CSQC737E *transid taskid* **CICS or MQSeries quiesced, bridge task backed out.**

Explanation: The bridge task received a quiescing return code from an MQGET for a second or subsequent message within a unit of work. The unit of work is backed out and the bridge task terminated.

System Programmer Response: Rerun the unit of work.

CSQC738E *transid taskid* **Bridge quiesced, task backed out**

Explanation: The bridge task quiesced while a bridge task was waiting to get a second or subsequent message within a unit of work because the queue was not enabled for getting messages. The unit of work is backed out and the bridge task terminated.

System Programmer Response: Rerun the unit of work.

CSQC739E *transid taskid* **Bridge terminated, timeout interval expired before middle or last UOW message received**

Explanation: The bridge task did not receive a second or subsequent message for a unit of work within the wait interval specified (or as overridden on the first request for the unit of work) at monitor startup.

System Programmer Response: Either:

- Increase the WAIT parameter on monitor startup.
- Correct the program that failed to send a subsequent request for a unit of work.
- Set the UOWControl field correctly for the previous request.

CSQC740E *transid taskid* Client application requested backout

Explanation: The bridge task backed out a unit of work on receipt of a MQCUOWC_BACKOUT request.

System Programmer Response: None.

CSQC741E *transid taskid* Waiting for *n* bridge tasks to complete

Explanation: This message is issued during monitor quiesce if bridge tasks are found on the monitor's started or active task lists.

System Programmer Response: None.

CSQC742I *transid taskid* Message found on starting or active queue but task not yet started

Explanation: This message is issued at the end of monitor quiesce. The monitor delayed to allow bridge tasks time to quiesce and is now listing those still outstanding. This message is followed by message CSQC760I which identifies the message for which a bridge task START has been issued but not yet actioned. When this task is started, it will terminate immediately with a message CSQC701E.

System Programmer Response: None.

CSQC743I *transid taskid* Bridge task, *taskid*, active at quiesce

Explanation: This message is issued at the end of monitor quiesce. The monitor delayed to allow bridge tasks time to quiesce and is now listing those still outstanding. This message is followed by message CSQC760I which identifies the message for which the bridge task is executing. The bridge task is probably in a wait in a user program or in a long MQGET wait for a second or subsequent message within a unit of work.

System Programmer Response: Investigate why the bridge task is still active.

CSQC744E *transid taskid* Monitor terminated with bridge tasks active. It cannot be restarted until bridge tasks end

Explanation: This message is issued at the end of monitor quiesce. The monitor delayed to allow bridge tasks time to quiesce but one or more bridge tasks are still active. These are listed in message CSQC743I.

System Programmer Response: If the bridge tasks are in MQGET waits, consider reducing the WAIT interval on monitor startup to avoid this situation in future. Note that the monitor cannot be restarted until the bridge tasks terminate.

CSQC745E *transid taskid* Unable to put message to reply queue, **MQRC=mqrc**

Explanation: An MQPUT call to the reply-to queue failed. The response message will be sent to the dead-letter queue.

System Programmer Response: Refer to Appendix A, "API completion and reason codes" on page 357 for information about *mqrc*.

CSQC746E *transid taskid* Invalid CCSID, *ccsid* expected, *ccsid* received

Explanation: A request message was received with an invalid value for the CCSID field in the MQMD.

System Programmer Response: Correct the MQMD and reissue the request.

CSQC747E *transid taskid* Invalid encoding, *encoding* expected, *encoding* received

Explanation: A request message was received with an invalid value for the encoding field in the MQMD.

System Programmer Response: Correct the MQMD and reissue the request.

CSQC748E *transid taskid* Message removed from the request queue during backout processing

Explanation: The bridge has sent this request message to the dead-letter queue during backout processing.

System Programmer Response: See the associated messages to determine the cause of the problem.

CSQC749E *transid taskid* Authentication error. Userid *user-id*, **EIBRESP=eibresp**, **EIBRESP2=eibresp2**

Explanation: The monitor is being run with AUTH=VERIFY_UOW or AUTH=VERIFY_ALL. An EXEC CICS SIGNON or EXEC CICS VERIFY PASSWORD command failed.

System Programmer Response: See the *CICS Application Programming* manual for an explanation of *eibresp* and *eibresp2*.

CSQC750E *transid taskid* Bridge monitor internal logic error

Explanation: An unexpected condition was detected by the bridge.

System Programmer Response: Contact your IBM support center if the problem persists.

CSQC751E *transid taskid* Unable to LINK to program *program-name*, **EIBRESP=eibresp**, **EIBRESP2=eibresp2**

Explanation: An EXEC CICS LINK command for the user requested program failed.

System Programmer Response: See the *CICS Application Programming* manual for an explanation of *eibresp* and *eibresp2*.

CSQC752E *transid taskid* Bridge queue cannot be used for reply-to queue

Explanation: The reply-to queue name in a request message is the same as the bridge-request queue name. This is not allowed.

System Programmer Response: Specify a different reply-to queue in the request.

CSQC753E *transid taskid* Message has been processed previously and returned to the queue using backout

Explanation: The bridge already attempted to process this request but the request failed and was backed out. This could be because backout processing failed for a bridge task that ended abnormally or because there was a CICS failure while this request was in progress. No attempt is made to process the request a second time.

System Programmer Response: Look at previous error messages for this message on the CSMT log to determine the cause for the previous failure, and rerun the request.

CSQC754E *transid taskid* **Bridge task abend** *abend-code* in program *program-name*

Explanation: A bridge task terminated abnormally.

System Programmer Response: The associated transaction dump can be used to assist problem determination. Correct the problem and rerun the unit of work. If the program name begins with CSQCB and the problem persists, contact your IBM support center.

CSQC755E *transid taskid* **Bridge queue is not shareable, queue must be defined with the SHARE option**

Explanation: The bridge request queue does not have the SHARE attribute.

System Programmer Response: Alter the queue definition and restart the monitor.

CSQC756E *transid taskid* **Dead-letter queue must be defined as local, MQRC_SELECTOR_NOT_FOR_TYPE returned on MQINQ**

Explanation: The dead-letter queue is not defined as a local queue. The bridge will be terminated if any error occurs that would result in a message being sent to the dead-letter queue.

System Programmer Response: Redefine the dead-letter queue as a local queue.

CSQC757E *transid taskid* **Unable to open reply-to queue, q-name MQRC=mqrc**

Explanation: The reply to queue specified is not known to the queue manager.

System Programmer Response: Refer to Appendix A, "API completion and reason codes" on page 357 for information about *mqrc*. Check you have provided the necessary queue definitions.

CSQC758E *transid taskid* **Unable to START bridge task. Userid *user-id* not authorized. EIBRESP=*eibresp*, EIBRESP2=*eibresp2***

Explanation: The monitor is being run with the IDENTIFY or VERIFY authorization option. An EXEC CICS START command for the bridge task failed with NOTAUTH or USERIDERR because the user ID is not authorized to start bridge transactions or has been revoked.

System Programmer Response: See the *CICS Application*

Programming manual for an explanation of *eibresp* and *eibresp2*. Correct the security definitions if this userid should be authorized to run requests using the bridge.

CSQC759E *transid taskid* **Transaction *transid* not defined to CICS**

Explanation: An request has been received to run the transaction listed but it is not defined to this CICS system.

System Programmer Response: Correct the request or define the transaction.

CSQC760I *transid taskid* **Msgld *Msgld***

Explanation: This message gives the identifier of a message to which a previous error message relates.

System Programmer Response: See the associated message.

CSQC761I *transid taskid* **Correlld *Correlld***

Explanation: This message gives the correlation identifier of a message to which a previous error message relates.

System Programmer Response: See the associated message.

CSQC762I *transid taskid* **Queue name *q-name***

Explanation: This message gives the name of the queue to which a previous error message relates.

System Programmer Response: See the associated message.

CSQC763I *transid taskid* **QMgr name *queue-manager-name***

Explanation: This message gives the name of the queue manager to which a previous error message relates.

System Programmer Response: See the associated message.

CSQC764E *transid taskid* **Invalid userid, *user-id* received, *user-id* expected**

Explanation: A user ID is required in all request messages when AUTH=VERIFY_ALL is being used; this must be the same for all requests within a unit of work. This message is issued because the bridge task detected a missing or changed user ID.

System Programmer Response: Correct the user ID and rerun the unit of work.

Message generator messages (CSQF...)

CSQF001I MESSAGE GENERATOR INITIALIZATION PARAMETERS NOT FOUND. DEFAULTS ASSUMED

Explanation: The message generator was unable to access the routing code initialization parameter defined by the CSQ6SYSP macro. Default values defined by that macro are assumed.

Module: CSQFMGIN

Severity: 4

System Action: Subsystem initialization continues.

Operator Response: Notify the system programmer.

System Programmer Response: It might be necessary to change the CSQ6SYSP macro. See the *MQSeries for OS/390 System Management Guide* for information about this macro.

CSQF700E *csect-name* MESSAGE *message-id* HAS BEEN ISSUED

Explanation: An unsuccessful attempt has been made to issue the message *message-id*. This message is issued only if the requested message could not be found in the MQSeries message directory.

Module: CSQFGENM, CSQFMGSS, CSQFSAMG

Severity: 8

System Action: The system proceeds as though the requested message had been issued.

Operator Response: Notify the system programmer.

System Programmer Response: Use the message number (*message-id*) and look up the message in this book. If you are using a language other than US English, ensure that you have installed the language feature correctly and that you have the appropriate load library data set concatenations in your job. Apart from that possibility, this is an MQSeries system problem; see the *MQSeries for OS/390 Problem Determination Guide*.

Note: Messages are also used to provide text for constructing panels and reports. If such a message cannot be found, message CSQF700E will appear on the panel or report, generally in truncated form.

Security manager messages (CSQH...)

CSQH0011 *csect-name switch-type* SECURITY SWITCH SET OFF

Explanation: This message is issued either:

- In response to a DISPLAY SECURITY ALL or DISPLAY SECURITY SWITCHES command
- In response to a REFRESH SECURITY command

This message is issued only if the user has authority to issue the command.

This messages can also be issued before message CSQH004I if a STAT call fails.

Module: CSQHPTDC, CSQHREFA

Severity: 0

System Action: This message is issued for each security switch that is set off.

Note: If the subsystem security switch is set off, you will get only one CSQH0011 message (for that switch).

System Programmer Response: This message is issued so that you can check the security configuration of your MQSeries subsystem. See the *MQSeries for OS/390 System Management Guide* for information about setting security switches.

CSQH002I *csect-name switch-type* SECURITY SWITCH SET ON

Explanation: This message is issued either:

- In response to a DISPLAY SECURITY ALL or DISPLAY SECURITY SWITCHES command
- In response to a REFRESH SECURITY command

This message is issued only if the user has authority to issue the command.

Module: CSQHPTDC, CSQHREFA

Severity: 0

System Action: This message is issued for each security switch that is set on.

System Programmer Response: This message is issued so that you can check the security configuration of your MQSeries subsystem. See the *MQSeries for OS/390 System Management Guide* for information about setting security switches.

CSQH003I SECURITY REFRESH DID NOT TAKE PLACE FOR CLASS *class-name*

Explanation: This message follows message CSQH004I when an attempt to refresh class MQPROC, MQNLIST, or MQQUEUE was unsuccessful because of a return code from a SAF RACROUTE REQUEST=STAT call. The return code is given in message CSQH004I.

Module: CSQHCHK4

Severity: 4

System Action: The refresh does not occur.

System Programmer Response: Check that the class in question (*class-name*) is set up correctly. See message CSQH004I for the reason for the problem.

CSQH004I *csect-name* STAT CALL FAILED FOR CLASS *class-name*, SAF RETURN CODE=*saf-rc*, ESM RETURN CODE=*esm-rc*

Explanation: This message is issued as a result of a SAF RACROUTE REQUEST=STAT call returning a non-zero return code at one of the following times:

- During initialization, or in response to a REFRESH SECURITY command

If the return codes from SAF and your ESM are not zero, and are unexpected, this will cause one of the following abends:

- 00C8000D
- 00C80032
- 00C80038

- In response to a REFRESH SECURITY command.

If the return codes from SAF and your ESM are not zero (for example, because a class is not active because you are not going to use it) this message is returned to the issuer of the command to advise that the STAT call failed. (This message is sometimes preceded by message CSQH0011, stating that the security switch relating to the check taking place has been set off.)

Possible causes of this problem are:

- The class is not installed
- The class is not active
- The external security manager (ESM) is not active
- The RACF® OS/390 router table is incorrect

Module: CSQHCHK4, CSQHINIT, CSQHREFA

Severity: 8

System Programmer Response: To determine if you need to take any action, see the *Security Server External Security Interface (RACROUTE) Macro Reference* for more information about the return codes.

CSQH005I *csect-name resource-type* INSTORAGE PROFILES SUCCESSFULLY LISTED

Explanation: This message is issued in response to a REFRESH SECURITY command that caused the instorage profiles to be RACLISTED (that is, rebuilt; for example, when the security switch for a resource is set on, or a refresh for a specific class is requested that requires the instorage tables to be rebuilt).

Module: CSQHCHK4, CSQHREFA

Severity: 0

System Programmer Response: This message is issued so that you can check the security configuration of your MQSeries subsystem.

CSQH006I ERROR RETURNED FROM CSQTTIME, SECURITY TIMER NOT STARTED

Explanation: An error has been returned from the MQSeries timer component, so the security timer has not been started.

Module: CSQHSTRT

Severity: 8

System Action: The system terminates abnormally, with an abend reason code of X'00C80042'.

System Programmer Response: Refer to "Security manager codes (X'C8')" on page 203 for an explanation of the abend reason code.

CSQH0071 REVERIFY FLAG NOT SET FOR USERID *user-id* AS NO ENTRY FOUND

Explanation: A user identifier (*user-id*) specified in the RVERIFY SECURITY command was not valid because there was no entry found for it in the internal control table. This could be because the identifier was entered incorrectly in the command, or because it was not in the table (for example, because it had timed-out).

Module: CSQHSREV

Severity: 0

System Action: The user identifier (*user-id*) is not flagged for reverify.

System Programmer Response: Check that the identifier was entered correctly.

CSQH008I SUBSYSTEM SECURITY NOT ACTIVE NO USERIDS PROCESSED

Explanation: The RVERIFY SECURITY command has been issued, but the subsystem security switch is off, so there are no internal control tables to flag for reverification.

Module: CSQHSREV

Severity: 0

CSQH009I ERRORS OCCURRED DURING SECURITY TIMEOUT PROCESSING

Explanation: This message is sent to the system log either:

- If an error occurs during security timeout processing (for example, a nonzero return code from the external security manager (ESM) during delete processing)
- Prior to a message CSQH010I and an abend with reason code 00C80040 if a nonzero return code is received from the timer (CSQTTIME) during an attempt to restart the security timer

Module: CSQHTPOP

Severity: 8

System Programmer Response: Contact your IBM support center.

CSQH010I *csect-name* SECURITY TIMEOUT TIMER NOT RESTARTED

Explanation: This message is issued to inform you that the security timeout timer is not operational. The reason for this depends on which of the following messages precedes this one:

CSQH009I An error occurred during timeout processing

CSQH011I The timeout interval has been set to zero

Module: CSQHPATC, CSQHTPOP

Severity: 8

System Action: If this message follows message CSQH009I, the MQSeries subsystem abends with one of the following abend reason codes:

csect-name Reason code

CSQHTPOP X'00C80040'

CSQHPATC X'00C80041'

System Programmer Response: Refer to "Security manager codes (X'C8')" on page 203 for information about the abend reason code.

CSQH011I *csect-name* SECURITY INTERVAL IS NOW SET TO ZERO

Explanation: The ALTER SECURITY command has been entered with the INTERVAL attribute set to 0. This means that no user timeouts will occur.

Module: CSQHPATC, CSQHTPOP

Severity: 0

System Programmer Response: This message is issued to warn you that no security timeouts will occur. Check that this is what was intended.

CSQH012I ERRORS OCCURRED DURING ALTER SECURITY TIMEOUT PROCESSING

Explanation: This message is issued in response to an ALTER SECURITY command if errors have been detected during timeout processing (for example, a nonzero return code from the external security manager (ESM) during timeout processing).

Module: CSQHPATC

Severity: 8

System Programmer Response: Contact your IBM support center.

CSQH013I OUT OF RANGE VALUE *value* ENTERED ON TIMEOUT KEYWORD

Explanation: An attempt was made to issue the ALTER SECURITY command, but a parameter associated with the TIMEOUT keyword was not valid.

Module: CSQHPATC

Severity: 0

System Action: Message CSQ9023E is issued, and the command is ignored.

System Programmer Response: See the *MQSeries Command Reference* manual for more information about the ALTER SECURITY command.

CSQH014I OUT OF RANGE VALUE *value* ENTERED ON INTERVAL KEYWORD

Explanation: An attempt was made to issue the ALTER SECURITY command, but a parameter associated with the INTERVAL keyword was not valid.

Module: CSQHPATC

Severity: 0

System Action: Message CSQ9023E is issued, and the command is ignored.

System Programmer Response: See the *MQSeries Command Reference* manual for more information about the ALTER SECURITY command.

CSQH015I SECURITY TIMEOUT = *number* MINUTES

Explanation: This message is issued in response to the DISPLAY SECURITY TIMEOUT command, or as part of the DISPLAY SECURITY ALL command.

Module: CSQHPDTC

Severity: 0

CSQH016I SECURITY INTERVAL = *number* MINUTES

Explanation: This message is issued in response to the DISPLAY SECURITY INTERVAL command, or as part of the DISPLAY SECURITY ALL command.

Module: CSQHPDTC

Severity: 0

CSQH017I *verb-name pkw-name* COMPLETED WITH ERRORS IN SIGNOFF

Explanation: This message is issued when an error has been detected in refresh processing (for example, a nonzero return code from the external security manager (ESM) during signoff or delete processing).

Module: CSQHSREF

Severity: 8

System Programmer Response: Contact your IBM support center.

CSQH018I *csect-name* SECURITY REFRESH FOR *resource-type* NOT PROCESSED

Explanation: A REFRESH SECURITY command was issued for resource type *resource-type*. However, the security switch for this type is currently set off.

Note: This message is issued only for resource types MQQUEUE, MQPROC, and MQNLIST, because MQADMIN is always available for refresh.

Module: CSQHCHK4, CSQHSREF

Severity: 0

System Programmer Response: Ensure that the REFRESH SECURITY request was issued for the correct resource type.

Data manager messages (CSQI...)

CSQI002I *csect-name* PAGE SET *psid*, VALUE OUT OF RANGE. COMMAND IGNORED

Explanation: One of the following commands has been issued:

- DEFINE STGCLASS
- DISPLAY STGCLASS
- DISPLAY USAGE

The value given for the page-set identifier was not in the range 0 through 99.

Module: CSQIDSTG, CSQIDUSE, CSQINSTG

Severity: 8

System Action: The command is ignored.

Operator Response: Reissue the command using the correct syntax. (See the *MQSeries Command Reference* manual for information about the command.)

CSQI005I *csect-name* PAGE SET *nn* OFFLINE. RECOVERY RBA = *rba*

Explanation: This message indicates that the page set *nn* is currently not accessible by MQSeries. This might be because the page set has not been defined to the MQSeries with the DEFINE PSID() command.

rba is the restart RBA for page set *nn*.

Module: CSQIDUSE, CSQIECUR

Severity: 0

System Action: Processing continues.

CSQI007I *csect-name* BUILDING IN-STORAGE INDEX FOR QUEUE *q-name*

Explanation: During restart, in-storage indexes are built for queues that have the INDXTYPE attribute, which might take some time. This message records that an index is being built for the specified queue.

Module: CSQIERS3

Severity: 0

System Action: The in-storage index is built.

CSQI012E *csect-name* COULD NOT COMPLETE COMMAND. STORAGE EXHAUSTED

Explanation: A display of page set usage could not complete because all the available storage was exhausted.

Module: CSQIDUSE

Severity: 8

System Action: The output terminates at this point. There might be more information that has not been displayed. If this is in response to a DISPLAY USAGE command without the PSID keyword, try it again, specifying a page set identifier. This could decrease the amount of information produced, enabling MQSeries to display it all.

CSQI016E *csect-name* DISPLAY USAGE COMMAND NOT ALLOWED DURING RESTART

Explanation: An attempt was made to issue a DISPLAY USAGE command before restart had completed. This could be because the command was in the CSQINP1 file.

Module: CSQIDUSE

Severity: 8

System Action: This invocation of the command is ignored.

System Programmer Response: If the command was in the CSQINP1 file, delete it. See the *MQSeries for OS/390 System Management Guide* for more information about the CSQINP1 file.

CSQI017I *csect-name* PAGE SET *psid* IS NOT DEFINED TO THE SYSTEM

Explanation: A DISPLAY USAGE command has been issued for a specific page set. This page set is not defined to the system.

Module: CSQIDUSE

Severity: 8

System Action: The command is ignored.

CSQI018I *csect-name* PAGE SET *psid* HAS *total* DATA PAGES. *unused* ARE UNUSED, *persist* HOLD PERSISTENT DATA AND *nonpersist* HOLD NONPERSISTENT DATA.

Explanation: This message displays the usage for page set *psid*.

- *total* is the total number of 4 KB pages in the page set (this relates to the records parameter on your VSAM definition of the page set).
- *unused* is the number of pages that are not used (that is, available page sets).
- *persist* is the number of pages holding persistent data (these pages are being used to store object definitions and persistent message data).
- *nonpersist* is the number of pages holding nonpersistent data (these pages are being used to store nonpersistent message data).

Note: These figures are approximate because other threads might be altering the status of pages in this page set while the command is being processed.

Module: CSQIDUSE

Severity: 0

CSQI019I MAXSMSGS VALUE IS TOO SMALL

Explanation: A DEFINE MAXSMSGS command has been issued with a value of less than 1. The maximum number of messages within syncpoint must be at least 1.

Module: CSQINMXM

Severity: 8

System Action: The command is ignored, and message CSQ9023E is issued.

System Programmer Response: Reissue the command specifying a valid value.

CSQI020I *maxsmsgs(number)*

Explanation: This message is issued in response to a DISPLAY MAXSMSGS command, and displays the maximum number of messages that a task can GET or PUT within a single unit of recovery.

Module: CSQIDMXM

Severity: 0

CSQI021I *csect-name* **PAGE SET** *psid* **IS EMPTY. MEDIA RECOVERY STARTED.**

Explanation: MQSeries has recognized a page set with a recovery RBA of zero. MQSeries will update the page set using information in the log data sets.

Module: CSQIECUR

Severity: 0

System Action: MQSeries rebuilds the page set.

CSQI022I *csect-name* **PAGE SET** *psid* **NEWLY ADDED TO SYSTEM.**

Explanation: MQSeries has recognized that page set *psid* is new to the system.

Module: CSQIECUR

Severity: 0

CSQI023I *csect-name* **PAGE SET** *psid* **ONLINE AGAIN. MEDIA RECOVERY STARTED.**

Explanation: A page set has been redefined to MQSeries after a period offline.

Module: CSQIECUR

Severity: 0

System Action: MQSeries applies any updates to the page set that are necessary.

CSQI024I *csect-name* **SYSTEM RESTART RBA FOR SYSTEM AS CONFIGURED =** *restart-rba*

Explanation: This message gives the restart RBA (relative byte address) for the subsystem, but does not include any offline page sets in the calculation of this restart point.

This value can be used to determine where to truncate logs, if you have no offline page sets.

If you have offline page sets that you wish to add to your system at some time in the future, you must use the restart RBA given in message CSQI025I. If you truncate your logs at *rba* you might make it impossible to add the offline page sets back to the system.

Module: CSQIDUSE

Severity: 0

CSQI025I *csect-name* **SYSTEM RESTART RBA INCLUDING OFFLINE PAGE SETS =** *restart-rba*

Explanation: This message gives the restart RBA (relative byte address) for the subsystem, including any offline page sets.

This value can be used to determine where to truncate logs, if you have offline page sets that you wish to add to the system in the future.

Module: CSQIDUSE

Severity: 0

CSQI026I *csect-name* **PAGE SET** *nn* **DEFINED, BUT HAS NEVER BEEN ONLINE**

Explanation: This message indicates that the page set *nn* has been defined, but it has never been used. Consequently, there is no restart RBA for the page set.

Module: CSQIDUSE, CSQIECUR

Severity: 0

System Action: Processing continues.

CSQI027I *csect-name* **STORAGE CLASS** *stg-class*, **MAPPING TO PAGE SET** *psid*, **WAS CREATED DURING MIGRATION TO MQSeries V***version*

Explanation: This message is issued the first time you start MQSeries for OS/390 version 1.1.4 or later. The message indicates that new storage class objects have been created. *stg-class* is the name of storage class just created, *psid* is the identifier of the page set used, and *version* is the version of MQSeries.

Module: CSQIERS3

Severity: 0

System Action: Processing continues.

System Programmer Response: Check that you still require each storage class that was created. If a storage class was created that you no longer require, delete it and update your initialization input data set.

CSQI028E *csect-name* **PAGE SET CONFLICT FOR QUEUE** *queue*

Explanation: The named queue contains messages that are on a different page set from that associated with the storage class for the queue.

Module: CSQIERS3

Severity: 8

System Action: This message might be issued more than once, each occurrence naming a different queue. MQSeries abends with reason code 00C93800.

System Programmer Response:

1. Start version 1.1.3 of MQSeries for MVS/ESA, and use the COPY function of CSQUTIL to unload each queue identified by this message.
2. Restart your new version of MQSeries for OS/390 (2.1 or later), and use the LOAD function of CSQUTIL to reload the queues.

CSQUTIL is described in the *MQSeries for OS/390 System Management Guide*.

CSQI030I *csect-name* **PAGE SET** *psid* **USED** *s* **SECONDARY EXTENTS BEFORE THE RESTART, AND HAS SINCE BEEN LOGICALLY EXTENDED** *n* **TIMES**

Explanation: This message is issued as part of the page set usage information if page set *psid* has been dynamically extended *n* times since restart. (The maximum number of times the page set can be expanded is 123, provided that enough space is available.)

Module: CSQIDUSE

Severity: 0

System Action: Processing continues.

CSQI0311 *csect-name* THE NEW EXTENT OF PAGE SET *psid* HAS FORMATTED SUCCESSFULLY

Explanation: Following the dynamic extension of page set *psid*, the new extent has been formatted successfully.

Module: CSQIFRMT

Severity: 0

System Action: Processing continues.

CSQI0321 *csect-name* NEW EXTENT(S) OF *nnn* PAGES DISCOVERED ON PAGE SET *psid* WILL NOW BE FORMATTED

Explanation: During restart, it was discovered that page set *psid* had been extended dynamically, but that *nnn* pages had not been formatted. This formatting will now be done.

Module: CSQIREX1

Severity: 0

System Action: Processing continues.

CSQI0411 *csect-name* JOB *jobname* USER *userid* HAD ERROR ACCESSING PAGE SET *psid*

Explanation: This message is issued when there is an error on a page set. The message identifies the job name, user ID, and page set identifier associated with the error.

Module: CSQIALLC, CSQIMPU1, CSQIMGE1

Severity: 0

CSQI042E *csect-name* WLM IWMCONN request failed, *rc=rc* *reason=reason*

Explanation: A Workload Management Services (WLM) connect call failed. *rc* is the return code and *reason* is the reason code (both in hexadecimal) from the call.

Severity: 8

System Action: Processing continues, but WLM services are not available.

System Programmer Response: See the *MVS Programming: Workload Management Services* manual for information about the return and reason codes from the WLM call. When you have resolved the problem, you will need to restart the queue manager. If you are unable to solve the problem, contact your IBM support center for assistance.

CSQI043E *csect-name* WLM *call-name* request for process *process-name* failed, *rc=rc* *reason=reason*

Explanation: A Workload Management Services (WLM) call failed. *rc* is the return code and *reason* is the reason code (both in hexadecimal) from the call.

Severity: 8

System Action: Processing continues, but WLM services are not available.

System Programmer Response: See the *MVS Programming: Workload Management Services* manual for information about the return and reason codes from the WLM call. When you have resolved the problem, you will need to restart the queue manager. If

you are unable to solve the problem, contact your IBM support center for assistance.

CSQI044I *csect-name* Process *process-name* used by queue *q-name* was not found

Explanation: The named queue is indexed by message tokens. An action was being performed for the queue that required the use of the Workload Management Services (WLM) IWMCLSFY service. However, the process specified by the queue does not exist, so the service name for WLM cannot be determined.

Module: CSQIKRCD, CSQIWSCL

Severity: 0

System Action: A blank service name is passed to the Workload Management Services (WLM) IWMCLSFY service.

System Programmer Response: Correct the queue or process definitions.

CSQI045I *csect-name* Log RBA has reached *rba*. Plan a log reset

Explanation: The current log RBA is approaching the highest value that is allowed.

Severity: 4

System Action: Processing continues. If the log RBA reaches X'780000000000', no further units of recovery will be initiated, in order to ensure that current units can be completed or backed out before the log RBA reaches the maximum.

System Programmer Response: Plan to stop the queue manager at a convenient time and reset the logs. See the *MQSeries for OS/390 System Management Guide* for information about resetting logs, by using the RESETPAGE function of CSQUTIL.

CSQI046E *csect-name* Log RBA has reached *rba*. Perform a log reset

Explanation: The current log RBA is approaching the highest value that is allowed.

Severity: 8

System Action: Processing continues. If the log RBA reaches X'780000000000', no further units of recovery will be initiated, in order to ensure that current units can be completed or backed out before the log RBA reaches the maximum.

System Programmer Response: Stop the queue manager as soon as is convenient and reset the logs. See the *MQSeries for OS/390 System Management Guide* for information about resetting logs, by using the RESETPAGE function of CSQUTIL.

CSQI047E *csect-name* Log RBA has reached *rba*. Stop queue manager and reset logs

Explanation: The current log RBA is too close to the highest value that is allowed.

Severity: 8

System Action: Processing continues, but no further units of recovery will be initiated, in order to ensure that current units can be completed or backed out before the log RBA reaches the maximum.

System Programmer Response: Stop the queue manager immediately and reset the logs. See the *MQSeries for OS/390 System Management Guide* for information about resetting logs, by using the RESETPAGE function of CSQUTIL.

CSQI048I *csect-name* **WLM reached maximum enclave limit**

Explanation: Workload Management Services (WLM) reported that no more enclaves could be created, so a message could not be notified to WLM. (An IWMECREA call gave a return code of 8 with a reason code of X'xxxx0836'.)

Note: This message might be issued repeatedly during the scan of the indexes for WLM-managed queues.

Severity: 4

System Action: The queue manager will attempt to notify the message to WLM again on the next scan of the indexes for WLM-managed queues. This will be after the interval specified by the WLMTIME system parameter; see the CSQ6SYSP macro in the *MQSeries for OS/390 System Management Guide* for information about the MQSeries system parameters.

System Programmer Response: See the *MVS Programming: Workload Management Services* manual for information about the return and reason codes from the WLM call.

Recovery log manager messages (CSQJ...)

CSQJ001I *csect-name* CURRENT COPY *n* ACTIVE LOG DATA SET IS DSNAME=..., STARTRBA=..., ENDRBA=...

Explanation: This message is generated for one of two reasons:

1. When the log manager is initialized, it sends this information message to identify the current active log data sets (copy 1 and, if dual logging is used, copy 2).
2. When the current active log data set is full, MQSeries will switch to the next available active log data set. This message identifies the next available active log data set that will be used for logging.

The value specified by the STARTRBA=value keyword is the RBA of the first byte of log data in the named data set. The value specified by the ENDRBA=value keyword is the RBA of the last possible byte in the data set.

Module: CSQJW007, CSQJW307

System Programmer Response: None required. However, if recovery is required, information from this message might be required as input to the change log inventory utility (CSQJU003).

CSQJ002I FULL ACTIVE LOG DATA SET DSNAME=..., STARTRBA=..., ENDRBA=...

Explanation: This message is sent at the time the log manager fills an active log data set and switches to a new empty data set. The message shows the name and log RBA range of the full data set.

Module: CSQJW307

System Programmer Response: None required. However, if recovery is required, information from this message might be required as input to the change log inventory utility (CSQJU003).

CSQJ003I FULL ARCHIVE LOG VOLUME DSNAME=..., STARTRBA=..., ENDRBA=..., UNIT=..., COPYnVOL=..., VOLSPAN=..., CATLG=...

Explanation: Offloading for the specified archive log data set was successfully completed for the given volume. If the data set spans multiple tape volumes, this message is generated for each tape volume.

Module: CSQJOFF3

System Action: An archive log data set has been created, and the archive log data set inventory in the BSDS has been updated with the information in the message:

DSNAME	The name of the archive log data set
STARTRBA	The starting RBA contained in the volume
ENDRBA	The ending RBA contained in the volume
UNIT	The device unit to which the data set was allocated
COPYnVOL	The name of the volume; this message keyword is displayed as COPY1VOL if this is the copy-1 archive log data set, and as COPY2VOL if this is the copy-2 archive log data set
VOLSPAN	An indicator to denote one of four conditions: <ul style="list-style-type: none"> • If '00', the data set is entirely contained on the volume specified by COPYnVOL • If '01', this is the first entry of a multivolume data set

- If '11', this is the middle entry of a multivolume data set
- If '10', this is the last entry of a multivolume data set

CATLG An indicator to denote one of two conditions:

- If 'NO', the archive log data set is uncataloged
- If 'YES', the archive log data set is cataloged

The BSDS is automatically updated with the information contained in this message; however, if recovery is required, information from this message might be required as input to the change log inventory utility (CSQJU003).

CSQJ004I ACTIVE LOG COPY *n* INACTIVE, LOG IN SINGLE MODE, ENDRBA=...

Explanation: This message is sent when the dual active logging option is selected and copy *n* becomes inactive. A log copy becomes inactive when the next active log data set is not ready when required. ENDRBA is the last byte of log data written on copy *n*. This is usually caused by a delay in offload.

Module: CSQJW307

System Action: The log is switched to single mode until the next data set for copy *n* is ready for logging.

If the queue manager is shut down or abends while in single mode with the ZPARM option still set for dual active data sets, the previous state of the active log data sets determines what happens when the queue manager is started, as follows:

- If fewer than two data sets are available (not flagged as STOPPED) for each set of active logs, queue manager startup terminates and message CSQJ112E is issued.
- If an active log data set is in NOTREUSABLE state, the queue manager can be started in single logging mode, but dual mode takes effect when the other active log data set becomes available after offloading.

Operator Response: Perform a display request to ensure that there are no outstanding requests that are related to the log offload process. Take the necessary action to satisfy any requests, and permit offload to continue.

System Programmer Response: If the switch to single mode was caused by the lack of a resource required for offload, the necessary resource should be made available to allow offload to complete and thus permit dual logging to proceed. If recovery is required, information from this message might be required as input to the change log inventory utility (CSQJU003).

CSQJ005I ACTIVE LOG COPY *n* IS ACTIVE, LOG IN DUAL MODE, STARTRBA=...

Explanation: This message is sent when copy *n* of the log becomes active after previously being flagged as inactive. STARTRBA is the RBA of the first byte of log data written on copy *n* after it was activated.

Module: CSQJW307

System Programmer Response: None required. However, if recovery is required, information from this message might be required as input to the change log inventory utility (CSQJU003).

CSQJ006I ALLOCATION FOR NEW ARCHIVE LOG DATA SET HAS BEEN CANCELED BY OPERATOR

Explanation: This message is sent if the operator answers N to message CSQJ008E.

Module: CSQJDS01

System Action: If the allocation is for the first copy of the archive log data set, offload terminates processing until the next time it is activated. If the first copy has already been allocated and this request is for the second copy, offload switches to single offload mode for this data set only.

CSQJ007I ALLOCATION FOR ARCHIVE VOL SER=*volser* HAS BEEN CANCELED BY OPERATOR

Explanation: If the operator answers N to message CSQJ009E, this message is issued. *volser* is the volume serial of an archive log volume required to satisfy the read request. The name of the archive data set is given by message CSQJ022I which follows.

Module: CSQJDS01

System Action: The read request that needed the archive volume is unsuccessful. If the request was issued with the *COND=YES* parameter, the log manager returns to its invoker with return code 12 and reason code X'00D1032B'. Otherwise, the log manager's invoker abends with the same reason code.

CSQJ008E *nn* OF *mm* ACTIVE LOGS ARE FULL. *ssname* NEEDS ARCHIVE SCRATCH

Explanation: MQSeries needs a scratch volume for offloading an active log data set. *ssname* is the name of the MQSeries subsystem. *nn* is the number of full active log data sets. *mm* is the total number of active log data sets.

Module: CSQJDS01

System Action: The offload task issues message CSQJ021D and waits for the operator's reply.

Operator Response: The operator has three options:

- Get a scratch volume ready, make sure there is an available unit for the volume, and reply Y. MQSeries then continues with the offload.
- Determine from the number of active log data sets available whether the offload can be delayed until the next time an active log data set becomes full. If the process can be delayed, reply N.

This response has two possible effects:

- If dual archive logging is in effect and this allocation is for a copy 1 archive data set, the 'N' response delays the offload process until the next active log data set becomes full.
- However, if the copy 1 archive data set has already been allocated and this request is for copy 2, the 'N' response causes the offload to switch to single archive mode (the switch is for this data set only).
- Defer giving a response. This causes offload to wait before processing. However, because offload is a separate service task, the wait does not affect MQSeries performance.

If offloading to DASD, an error has occurred attempting to allocate an archive log data set. Reply 'Y' to receive the error messages.

CSQJ009E *ssname* NEEDS VOL SER=*nnnnnn*

Explanation: MQSeries needs the specified archive volume for a read operation. *ssname* is the name of the MQSeries subsystem.

Module: CSQJDS01

System Action: The archive log read service task issues message CSQJ021D and waits for the operator's reply. This wait affects the agent for which the log read was issued and any other agents that might be waiting on the log read service task queue.

Operator Response: Locate the requested volume, ensure that a device is available, and reply 'Y'. MQSeries continues with dynamic allocation and begins reading the log.

If dual archiving is in effect, a response of 'N' causes archive read to reissue the message for the copy 2 archive VOLSER with the same RBA range. A response of 'N' to this second message, or to the initial message for single archiving, causes the archive read service task to be unsuccessful, with unpredictable results.

CSQJ010I INVALID RESPONSE – NOT Y OR N

Explanation: During archive data set allocation, a reply message was issued. The user did not respond correctly to the reply message. Either 'Y' or 'N' must be entered.

Module: CSQJDS01, CSQJW006

System Action: The original message is repeated.

Operator Response: Reply as indicated in the repeated message.

CSQJ011D RESTART CONTROL *rrr* CREATED AT *date time* FOUND. REPLY Y TO USE, N TO CANCEL

Explanation: During log manager initialization, a conditional restart control record was found in the BSDS data set. Both the record identifier (a 4-byte hexadecimal number) and the creation time stamp are displayed to help identify the conditional restart record which will be used. If you want a conditional restart using that record, reply 'Y' to the message. Otherwise, reply 'N' and notify the system programmer.

System Action: If 'Y' is the response, MQSeries is started conditionally, using the record found. If 'N' is the response, MQSeries startup is terminated.

Operator Response: Respond as indicated. If you are not sure, contact the system programmer.

System Programmer Response: If a normal restart of MQSeries has failed and you have created a conditional restart record with the change log inventory utility, check whether the time and date in the message agree with when you created that record. If they do, reply 'Y'. If they do not, reply 'N' and investigate the discrepancy.

CSQJ012E ERROR *ccc* READING RBA *rrr* IN DATA SET *ddd* CONNECTION-ID=*xxxxxxx*, THREAD-XREF=*yyyyyyyyyyyy*

Explanation: While scanning log records read into a buffer, the log manager detected a logical error with reason code *ccc*. *rrr* is the log RBA of the segment in the buffer at which the error was detected. *ddd* is the name of the active or archive log data set from which the record was read. If *ddd* is blank, the data was read from an active log output buffer.

The connection ID and thread-xref identify the user or application that encountered the problem. Messages that have the same connection ID and thread-xref relate to the same user.

Module: CSQJR005, CSQJOFF1, CSQJOFF4, CSQJW009

System Action: The application program that invoked the log manager is terminated with reason code *ccc*. However, information in this message might be useful in diagnosing the abend that will follow.

System Programmer Response: See the *MQSeries for OS/390 System Management Guide* for information about dealing with problems on the log.

CSQJ013E TERMINAL ERROR *ccc* IN BUFFER *rrr* BEFORE ACTIVE LOG WRITE

Explanation: A scan of the log output buffer, just prior to writing the buffer, detected an inconsistency in the log data. *ccc* is the abend reason code associated with the SDUMP that is produced. *rrr* is the log RBA at which the error was detected.

Module: CSQJW107

System Action: MQSeries will terminate with a dump, and will not write the damaged buffer to either COPY 1 or COPY 2 active log data set.

Operator Response: Notify the system programmer. Restart MQSeries after it terminates.

System Programmer Response: Because the damaged buffer has not been written to a log data set, MQSeries can be restarted. No corrective action is required.

CSQJ014E TERMINAL ERROR *ccc* IN BUFFER *rrr* AFTER ACTIVE LOG WRITE

Explanation: A scan of the log output buffer, after writing to the first copy of the active log data set and before writing to the second copy, detected an inconsistency in the log data. *ccc* is the abend reason code associated with the SDUMP that is produced. *rrr* is the log RBA at which the error was detected.

Module: CSQJW107

System Action: MQSeries terminates with a dump, and does not write the damaged buffer to the COPY 2 data set.

Operator Response: Notify the system programmer.

System Programmer Response: The block containing the indicated log RBA might be damaged. The buffer was found to be in error at the completion of the write to the COPY 1 data set of the active log.

If dual active logs are being used, use the print log map utility (CSQJU004) to list the active log data sets for both copies of the active log. Find the COPY 2 data set with the corresponding RBA, and copy that data set (using access method services REPRO) to the COPY 1 data set. Start the queue manager.

If only a single active log is used, contact the IBM support center for assistance. An attempt to start MQSeries might succeed if the damage to the buffer occurred after completion of the write to DASD.

CSQJ020I *csect-name* RECEIVED REPLY OF N TO *msg-num*. SUBSYSTEM STARTUP IS TERMINATED

Explanation: The operator chose to terminate MQSeries startup by answering 'N' to *msg-num*.

Module: CSQJW006, CSQJW306

System Action: MQSeries will not restart.

Operator Response: To restart MQSeries, follow the operator response given for message *msg-num*.

CSQJ021D REPLY Y WHEN DEVICE READY OR N TO CANCEL

Explanation: An archive log data set needs allocating, as indicated in the preceding CSQJ008E or CSQJ009E message.

Module: CSQJDS01

System Action: The log service task waits for the operator's reply.

Operator Response: Refer to the explanation of message CSQJ008E or CSQJ009E as appropriate. When the device and volume is ready, reply 'Y'; otherwise, reply 'N' to cancel the operation.

CSQJ022I DSNAME=*dsname*

Explanation: *dsname* is the name of the archive data set to which the preceding message refers.

Module: CSQJDS01

CSQJ030E RBA RANGE *startrba* TO *endrba* NOT AVAILABLE IN ACTIVE LOG DATA SETS

Explanation: Previous errors have made the active log data sets (that contain the RBA range reported in the message) unavailable to MQSeries. The status of these logs is STOPPED in the BSDS.

Module: CSQJW106

System Action: MQSeries terminates with a dump.

Operator Response: Notify the system programmer.

System Programmer Response: The log RBA range must be available for MQSeries to be recoverable. Correct the previous errors and restore the active log data sets that contain the RBA range reported in the message.

- If the log data sets are recoverable, the active log data set inventory in the BSDS must be modified to reset the STOPPED status. Use the print log map utility (CSQJU004) to obtain a copy of the BSDS log inventory. Next, use the change log inventory utility (CSQJU003) to delete the active log data sets marked STOPPED (use the DELETE statement), then add them again (use the NEWLOG statement). The starting and ending RBA for each active log data set must be specified on the NEWLOG statement when the logs are added back to the BSDS using the change log inventory utility.
- If the log data sets are not recoverable, see the *MQSeries for OS/390 System Management Guide* for information about dealing with problems on the log.

Problem Determination: Examine previous messages to determine the reason the active log data sets are unavailable to MQSeries.

CSQJ050E LOAD MODULE CSQJL003 DOES NOT HAVE RMODE(24) ATTRIBUTE

Explanation: The named load module was not link-edited with the required RMODE(24) attribute.

Module: CSQJS001

System Action: MQSeries startup is terminated.

Operator Response: Notify the system programmer of the problem.

System Programmer Response: Verify that all installation and maintenance activities against this module were executed using SMP. Verify that the JCLIN for SMP includes the correct RMODE control statement, and that the Linkage Editor provided with the Data Facility Product (DFP) for OS/390 was invoked by SMP for the link-edits. Correct the procedure or JCL which caused the error and rerun the necessary SMP jobs.

Problem Determination: The OS/390 service aid AMBLIST provides Linkage Editor module attributes in the summary section of the LISTLOAD function output.

CSQJ060E THE LOADED *csect* CSECT IS OBSOLETE.

CSQZPARM LEVEL = *aaaa*. INTERNAL LEVEL KNOWN = *bbbb*. REASSEMBLE THE *csect* CSECT, AND RELINKEDIT THE CSQZPARM LOAD MODULE

Explanation: The system parameter load module CSECT *csect* is out-of-date. This error will occur if code maintenance has been applied, but *csect* has not been reassembled.

The named CSECT has a level indicator. The current level of the CSECT is indicated by *aaaa*. The level of the CSECT expected by the queue manager is indicated by *bbbb*.

Module: CSQJS001

System Action: MQSeries is terminated with abend reason code X'00E80084'.

Operator Response: Notify the system programmer.

System Programmer Response: Reassemble the CSECT, and link-edit your system parameter load module, for example, CSQZPARM again.

CSQJ070E *csect-name* ARCHIVE LOG DSN PREFIX NOT IN PROPER FORMAT TO RECEIVE TIME STAMP DATA. TIME STAMPING OF *dsname* BYPASSED

Explanation: Using a ZPARM parameter, the user has specified that the date and time of creation of an archive log data set be included as part of the archive log data set name (DSN). To accomplish this, MQSeries requires that the length of the archive log data set name prefix is limited. If the prefix requirement is not met, this message is issued just prior to the allocation of the archive log data set specified in the message.

Module: CSQJOFF1, CSQJOFF4

System Action: The archive log data set will be allocated using the archive log prefix. However, the archive log DSN will not contain the date and time as the user requested.

Operator Response: Notify the system programmer.

System Programmer Response: The ZPARM parameters for the log archive function must be changed. Specifically, the TSTAMP and ARCPFXn fields are not consistent with one another. For information about the actions required to eliminate this problem, see the *MQSeries for OS/390 System Management Guide*, under the CSQ6ARVP macro subtopic.

CSQJ071E *csect-name* TIMER FAILURE CAUSED TIME STAMPING OF ARCHIVE *dsname* TO BE BYPASSED

Explanation: Using a ZPARM parameter, the user has specified that the date and time of creation of an archive log data set be included as part of the archive log data set name (DSN). However an attempt to get the current date and time from the system was unsuccessful. This message is issued just prior to the allocation of the archive log data set specified in the message.

Module: CSQJOFF1, CSQJOFF4

System Action: The archive log data set will be allocated using the archive log prefix. However, the archive log DSN will not contain the date and time as the user requested.

CSQJ072E ARCHIVE LOG DATA SET *dsname* HAS BEEN ALLOCATED TO NON-TAPE DEVICE AND CATALOGED. ZPARM CATALOG OPTION OF NO HAS BEEN OVERRIDDEN

Explanation: Using an archive log parameter (CSQ6ARVP within the system parameter load module), the user specified that all archive log data sets should be uncataloged (CATALOG=NO). However, MQSeries requires that all archive log data sets allocated to nontape devices must be cataloged. The archive log data set specified by *dsname* has been allocated to a non-tape device, and has thus been cataloged. The user's system parameter CATALOG setting of NO has been overridden.

Module: CSQJDS04

System Action: The archive log data set has been allocated to a nontape device, and has been cataloged. The system parameter load module CATALOG=NO setting has been overridden. The BSDS reflects that the data set has been cataloged.

Operator Response: Notify the system programmer.

System Programmer Response: The system parameter load module log archiving parameters must be changed. Specifically, the CATALOG and UNIT parameters are not consistent with one another. For information about the actions required to eliminate this problem, see the *MQSeries for OS/390 System Management Guide*, under the CSQ6ARVP macro subtopic.

CSQJ073E LOG ARCHIVE UNIT ALLOCATION FAILURE DETECTED, RETURN CODE=*nnnn*. ALLOCATION OR OFF-LOAD OF ARCHIVE LOG DATA SET MAY FAIL

Explanation: While building the SVC99 text entries to allocate a new archive log data set dynamically, a unit allocation error was detected. The reason code, indicated by *nnnn* in the message, further clarifies the problem as follows:

4-28 (X'4'-X'1C')

Return code from OS/390 IEFGB4UV macro. Common values are:

4 (X'04') Invalid unit name

8 (X'08') Unit name has incorrect units assigned

16 (X'10')

No storage available

20 (X'14')

Device numbers not valid

32 (X'20')

MQSeries was able to obtain a list of devices corresponding to the device type (unit name) specified in ZPARMs. However, it was determined by MQSeries that this list contained a mixture of tape and nontape devices.

36 (X'24')

Nonfetch-protected storage could not be obtained by MQSeries to build a parameter list for an OS/390 service.

40 (X'28')

The device type (unit name) specified by the user in ZPARMs is valid. However, no devices are currently associated with the given device type (unit name).

44 (X'2C')

The device type (unit name) specified by the user in ZPARMs is valid. However, no DASD volumes are available with a volume use attribute of *storage*.

Module: CSQJDS01

System Action: This message is issued by MQSeries after the SVC99 text entries are built, but prior to the allocation of the new archive log data set. As a result of the error, the dynamic allocation of the archive log data set will be attempted using standard default values. The standard default values are generally acceptable; however, the allocation might be unsuccessful or the subsequent offload might produce undesirable processing results. For example:

- A return code of 4 or 44 (X'2C') indicates an allocation error (CSQJ103E) when the SVC99 is issued for the archive data set.
- Offload processing to tape might be unsuccessful. MQSeries uses a volume count of 20 when allocating to tape, and uses the standard OS/390 volume count default of 5 volumes when writing to non-tape devices. In the case of most of the above errors, it would be impossible for the MQSeries subsystem to determine the device type on which the data set is to be allocated. Therefore, the standard OS/390 default is assumed for the volume count. If the data set is successfully allocated to a tape device, and the volume of data is such that more than five volumes will be used for the archive data set, the offload processing will receive an OS/390 ABEND 837-08 with message IEC028I when attempting to write to the sixth tape volume.
- Offload processing to a direct access device might be unsuccessful. When allocating a new archive log data set on a direct access device, the MQSeries subsystem will use a unit count to facilitate multivolume archive data sets. With most of the above errors, it might be impossible for the MQSeries subsystem to correctly determine the type of device on which the data set is to be allocated. Therefore, the standard default (1) is assumed for the unit count. If the data set is successfully allocated to a direct access device, and during the offload processing it becomes necessary to extend the data set to another device, the offload processing will receive an OS/390 B37 (out of space) ABEND, and the archive log data set will be deallocated.

Operator Response: Notify the system programmer.

System Programmer Response: The required action is based on the return code indicated in the message:

4-28 (X'4'-X'1C')

See the *MVS Authorized Assembler Services Guide* for more info about the return code from the MVS IEFG4UV macro. The most likely causes for the common values are:

- 4 (X'04') Incorrect specification in the archive log ZPARMs. Correct the UNIT parameter. If the UNIT parameter from the archive log ZPARMs appears to be correct, check the EDT to ensure that the esoteric or generic unit name specified in the ZPARMs is actually in the EDT. Subsequent offload processing will archive the log data which could not be previously archived due to the allocation error (CSQJ103E).
- 8 (X'08') Incorrect specification in archive log ZPARMs, incorrect operational setup.
- 16 (X'10') This is usually a temporary problem. If the allocation of the archive log data set is successful, no action is required to correct this situation. If this is a recurring problem, sufficient page space is not available, and the region size for the MQSeries data systems services might have to be increased, or standard OS/390 diagnostic

procedures might have to be used to correct the problem.

20 (X'14')

Incorrect specification in archive log ZPARMs, incorrect operational setup.

32 (X'20') or 40 (X'28')

To correct this situation, change the archive log UNIT ZPARM to use a device type (unit name) that contains homogenous devices, or modify the device list associated with the device type (unit name) using a system generation to supply a list of homogenous devices.

44 (X'2C')

To correct this situation, issue an OS/390 mount command to change the volume use attribute of a mounted private volume to storage. If this is a recurring problem, you might have to do one of the following:

- Perform a system generation to add permanently resident volumes with a volume use attribute of storage to the esoteric or generic unit
- Change ZPARMs to use a different esoteric or generic unit name for the UNIT

CSQJ099I LOG RECORDING TO COMMENCE WITH STARTRBA=...

Explanation: This message is generated when the log manager is initialized during MQSeries startup. The value specified by the STARTRBA=value keyword is the RBA of the next byte of log data to be recorded in the MQSeries active log data sets.

This message is preceded by one (if single logging) or two (if dual logging) CSQJ001I messages.

Module: CSQJW007

System Programmer Response: None required. However, if recovery is required, information from this message might be required as input to the change log inventory utility (CSQJU003).

CSQJ100E csect-name ERROR OPENING BSDS_n DSNAME=..., ERROR STATUS=eeii

Explanation: Log manager initialization or the RECOVER BSDS command could not open the specified BSDS. BSDS_n matches the ddname in the log startup JCL of the data set that cannot be opened. The value of *n* is 1 or 2. The error status contains the VSAM open return code in *ee*, and the VSAM open reason code in *ii*.

Module: CSQJC004, CSQJB006

System Action: When this error occurs at initialization time, MQSeries startup must be terminated, because the log data sets cannot be determined and allocated without the BSDS. When this error occurs during RECOVER BSDS processing, the command is terminated, and the system continues in single BSDS mode.

Operator Response: Notify the system programmer.

System Programmer Response: Recover the BSDS that cannot be opened. See the *MQSeries for OS/390 System Management Guide* for information about dealing with problems on the BSDS or the log.

Problem Determination: The error status contains the VSAM open return code in *ee*, and the VSAM open reason code in *ii*. See the *DFSMS/MVS Macro Instructions for Data Sets* manual for a list of the VSAM OPEN return codes and reason codes, and the steps required to take corrective action.

CSQJ101E *csect-name* **RESTART CONTROL ENDRBA *rrr* IS BEYOND ANY KNOWN RBA, BUT COLD START WAS NOT SPECIFIED**

Explanation: A conditional restart control record requests truncation, but it cannot take place because the end RBA was not in the range of RBA values known to either the active or archive logs. *rrr* is the end RBA specified in the active record. The end RBA is either higher than the end RBA of the most recent active log data set, or lower than the starting RBA of the oldest archive log data set.

System Action: MQSeries startup is terminated.

Operator Response: Notify the system programmer.

System Programmer Response: Most likely, the archive log data set that contained the requested RBA has been deleted from the BSDS data set by the change log inventory utility. Locate the output from an old print log map utility and identify the data set that contains the missing RBA. If the data set has not been reused, run the change log inventory utility to add this data set back into the inventory of log data sets. Restart MQSeries.

CSQJ102E LOG RBA CONTENT OF LOG DATA SET DSNAME=..., STARTRBA=..., ENDRBA=..., DOES NOT AGREE WITH BSDS INFORMATION

Explanation: The log RBA range shown in the BSDS for the specified data set does not agree with the content of the data set.

Module: CSQJW009

System Action: MQSeries startup processing is terminated.

Operator Response: Notify the system programmer.

System Programmer Response: Use the print log map and change log inventory utilities to make the BSDS consistent with the log data sets.

CSQJ103E LOG ALLOCATION ERROR DSNAME=*dsname*, ERROR STATUS=*eeeeiiii*

Explanation: The log manager encountered an error while attempting to allocate the active or archive log data set indicated by the DSNAME=keyword. The STATUS=keyword indicates the error reason code returned by OS/390 dynamic allocation (SVC99).

This message might be preceded by message CSQJ073E.

Module: CSQJDS01

System Action: Subsequent log manager actions are based upon the type of data set involved.

For active log data sets, if the error is encountered during log manager initialization, MQSeries startup is terminated. If two copies of the active log data sets are defined, this message appears only once.

For archive log data sets, if two copies of the archive log data sets are defined, processing continues on the remaining archive log data set.

Operator Response: Notify the system programmer.

System Programmer Response: The error status portion of this message contains a 2-byte error code (S99ERROR) followed by the 2-byte information code (S99INFO) from the SVC99 request block. See the *MVS Authorized Assembler Services Guide* manual for a description of these codes.

For active log data sets, if the problem occurred during MQSeries initialization, you can resolve the problem by either:

- Resolving the error associated with the active log data set as indicated by STATUS=keyword

- Providing another copy of the active log data set, using AMS
- Updating the BSDS with the change log inventory utility (CSQJU003)
- Restarting MQSeries

For archive log data sets:

- If the problem occurred during allocation with the intent to write the data set, no immediate action is required. However, if you do not resolve the SVC99 error (indicated by the STATUS value in the message), the available space in the active log could eventually be exhausted (CSQJ111A) because all future offloads might also be unsuccessful because of the same error.
- If the problem occurred during allocation with the intent to read the data set, determine the problem, and use the change log inventory utility (CSQJU003) DELETE function to delete the archive log data set from the BSDS archive log inventory. Then use the NEWLOG function to add the data set back into the archive log inventory, pointing to the correct volume and device.

See the *MQSeries for OS/390 System Management Guide* for information about dealing with problems on the log.

This message might also be issued as the result of a user error. If the STATUS=keyword displays a value of '17080000', you might have one or more active log data sets defined in the BSDS, but not allocated on DASD. To correct the situation, print the contents of the current active log data set inventory using the print log map utility (CSQJU004), then either:

- Use access method services to allocate the active log data set for each active log data set listed in the BSDS, but not actually allocated on DASD. You can find the access method services command syntax for active log data sets in the CSQ4BSDS sample jobstream.
- Use the change log inventory utility (CSQJU003) DELETE statement to delete the errant active log data set name, and the NEWLOG statement to add the correct name to the active log data set inventory. The name specified on the NEWLOG statement must be the same as the name of the actual MQSeries active log data set allocated on DASD.

CSQJ104E *csect-name* **RECEIVED ERROR STATUS *nnn* FROM *macro-name* FOR DSNAME *dsname***

Explanation: The log manager encountered an error while issuing macro *macro-name*. Error status is the return code from the specified macro:

- For an OPEN of a VSAM data set, the return code in the error field of the access method services control block is included in this message as the error status value. See the *DFSMS/MVS Macro Instructions for Data Sets* manual for a description of these values.
- If the OPEN was for a non-VSAM data set, the error status is zero.
- For MMSRV errors, error status contains the error information returned by media manager services. If an MMSRV CATUPDT error occurs attempting to truncate an active log data set, the log data set will be unavailable to MQSeries and the status of the log data set will be flagged as STOPPED in the BSDS.
- For VSAM OPEN and MMSRV errors, this message is preceded by an IEC1611 message that defines the error that occurred.
- For a PROTECT of an archive log data set, the return code is from DADSM PROTECT. See the *MVS/ESA System - Data Administration* manual for details of the return code.

See the *MQSeries for OS/390 System Management Guide* for information about dealing with problems on the log.

Module: CSQJDS02, CSQJDS04, CSQJOFF3, CSQJW106

System Action: If this condition is encountered during log manager initialization, MQSeries startup is terminated. If the error occurs later and the data set is needed either for offload or for input operations, log manager processing continues. If a second copy of the data is available, the log manager attempts to allocate and open the second data set.

If the data set is needed as an active log data set, the log manager attempts to retry the request. If the retry is unsuccessful, the MQSeries subsystem is terminated.

Operator Response: Notify the system programmer.

System Programmer Response: If the error occurred during initialization, the installation must either correct the problem so that the data set is available or provide another copy of the data set and change the BSDSs to point to the new data set.

If the error occurred during MQSeries processing, the return code should be reviewed and the appropriate action taken to correct the problem, so that the data set can be used at a later time, or the data set entry can be removed from the BSDS using the change log inventory utility.

If the error was received from PROTECT, there might be a problem with the PASSWORD data set. You should see the appropriate DADSM publication to determine the cause of the problem. When the problem has been corrected, you should ensure the archive log data sets receiving the error are added to the PASSWORD data set. If these archive log data sets are not added to the PASSWORD data set, archive read will not be able to OPEN these data sets. If you do not have information about the named macro, note the macro name and the return code and contact your IBM support center for help.

CSQJ105E *csect-name* LOG WRITE ERROR DSNAME=...,
LOGRBA=..., ERROR STATUS=ccccffss

Explanation: The log manager encountered a write error in the specified active log data set. If *csect-name* is CSQJW107, the error occurred writing the log buffers to an active log data set. If *csect-name* is CSQJW207, the error occurred while preformatting the next control area before writing log data into it.

Error status contains the error information returned by media manager in the form *ccccffss*, where *cccc* is a 2-byte return code that describes the error, *ff* is a 1-byte code that defines the functional routine that detected the error, and *ss* is the 1-byte status code that defines a general category of error.

Module: CSQJW107, CSQJW207

System Action: If the dual active logging option is selected, the log manager switches to the next data set for this copy. If the next data set is not ready, the log manager temporarily enters single logging mode and allocates a replacement data set for the one that encountered the error. Dual logging is resumed as soon as possible.

If single active logging option is selected and the next data set is not ready, the log manager waits for that data set to be available. In this case, log writing is inhibited until the replacement is ready for output.

System Programmer Response: See the *MVS/DFP Diagnosis Reference* manual for information about return codes from the media manager. If you are unable to resolve the problem, note the return code, and contact your IBM support center.

CSQJ106E LOG READ ERROR DSNAME=..., LOGRBA=...,
ERROR STATUS=ccccffss

Explanation: The log manager encountered an error while reading an active log data set. The error status contains the error information returned by the media manager in the form *ccccffss*, where *cccc* is a 2-byte return code that describes the error, *ff* is a 1-byte code that defines the functional routine that detected the error, and *ss* is the 1-byte status code that defines a general category of error. (See the *MVS/DFP Diagnosis Reference* manual for information about return codes from the media manager.)

Module: CSQJR007

System Action: If another log data set contains the data, the log manager attempts to read the data from the alternate source. If an alternate source is not available, the log manager returns a read error return code to the program requesting the log data. Depending on the circumstances under which the failure occurred, the system might continue with the alternate log data set if dual logging is used, or abend.

Operator Response: Notify the system programmer.

System Programmer Response: If you are using dual logging, the requested RBA was probably retrieved from the corresponding dual active log data set, and no immediate response is necessary. However, if this error occurs frequently, or if you are using single logging, immediate attention might be required. If so, note the contents of the error status field, and contact your IBM support center for help.

It might be necessary to replace the data set in error with a new data set containing the log data, and to update the BSDSs to reflect the new data set using the change log inventory (CSQJU003) NEWLOG operation.

See the *MQSeries for OS/390 System Management Guide* for information about dealing with problems on the log.

This message might also be issued as the result of a user error. If the data set name associated with the DSNAME=keyword is missing, and the STATUS=keyword displays a value of '00180408' or '00100408', you are using dual logging, but only one set of active log data sets is defined in the BSDS. To resolve this condition, do either of the following:

- Define a second set of active log data sets using access method services (if they are not defined already), and update the BSDS log inventory using the change log inventory (CSQJU003) NEWLOG operation. See the *MQSeries for OS/390 System Management Guide* for information about using the change log inventory utility.
- Reset the log parameters ZPARM to indicate single logging. You can do this by setting the TWOACTV parameter in the CSQ6LOGP ZPARMs to 'NO'.

CSQJ107E READ ERROR ON BSDS DSNAME=... ERROR
STATUS=...

Explanation: The log manager encountered an error while reading the specified BSDS. Error Status contains the VSAM return and feedback codes. It is a 2-byte field with the first byte containing the hexadecimal return code and the second containing the hexadecimal feedback code. See the *DFSMS/MVS Macro Instructions for Data Sets* manual for a description of VSAM return and reason codes.

See the *MQSeries for OS/390 System Management Guide* for information about dealing with problems on the BSDS or the log.

Module: CSQJB006

Operator Response: Notify the system programmer.

System Programmer Response: It might be necessary to replace or repair the BSDS, depending on what conditions resulted from the read error. To replace a BSDS, first delete the BSDS in error, then define the new BSDS with the same name and attributes. If a new name is used for the new BSDS, change the log startup JCL to specify the new BSDS name.

CSQJ108E WRITE ERROR ON BSDS DSNAME=... ERROR STATUS=...

Explanation: The log manager encountered an error while writing to the specified BSDS. Error Status contains the VSAM return and feedback codes. It is a 2-byte field with the first containing the hexadecimal return code and the second containing the hexadecimal feedback code. See the *DFSMS/MVS Macro Instructions for Data Sets* manual for a description of VSAM return and reason codes.

Module: CSQJB006

System Action: If dual BSDSs are available, the log manager enters single BSDS mode using the remaining good BSDS. Otherwise, an error code is returned to the log request that caused access to the BSDS.

Operator Response: Notify the system programmer.

System Programmer Response: If dual BSDS mode is being used, execute an offline access method services job to rename the error BSDS and define a new BSDS with the same name. Then enter the log manager RECOVER BSDS command to reestablish dual BSDS mode.

If dual BSDS mode is not being used, the MQSeries subsystem must be shut down, and the BSDS must be recovered from a backup copy. To recover the BSDS, use the change log inventory utility.

CSQJ109E OUT OF SPACE IN BSDS DSNAME=...

Explanation: There is no more space in the specified BSDS. The operation that encountered the out-of-space condition did not complete properly.

Module: CSQJB006

System Action: If dual BSDSs are available, the log manager enters single BSDS mode using the remaining good BSDS. Otherwise, an error code is returned to the log request that caused access to the BSDS.

Operator Response: Notify the system programmer.

System Programmer Response: If dual BSDS mode is being used, execute an offline access method services job to rename the full BSDS and define a new, larger BSDS with the same name. Enter the MQSeries RECOVER BSDS command to reestablish dual BSDS mode.

If dual BSDS mode is not being used, the MQSeries subsystem must be shut down and the BSDS recovered offline. In this case, execute the same access method services job mentioned above to rename the full data set and define a larger data set. Next, execute an access method services REPRO job to copy the full BSDS into the new BSDS.

CSQJ110E LAST COPY_n ACTIVE LOG DATA SET IS _{nnn} PERCENT FULL

Explanation: This message is issued when the last available active log data set is 75% full, and is reissued after each additional 5% of the data set space is filled.

Module: CSQJW107

System Action: Each time the message is issued, the offload processing will be re-attempted. If the situation is not corrected, the

active log data set will fill to capacity, message CSQJ111A will be issued, and MQSeries online processing will stop.

Operator Response: To clear this condition, you must take steps to complete other waiting offload tasks. Once an active log data set is made available (reusable) by completing the offload process for it, the MQSeries logging activity can continue.

Perform a display request to determine the outstanding requests related to the log offload process. Take the necessary action to satisfy any requests, and permit offload to continue. If offload does not complete normally or cannot be initiated, notify the system programmer.

System Programmer Response: Either correct the problem that is causing the offload process error, increase the size of the allocated data sets, or add more active log data sets. Note that the latter action requires MQSeries to be down and the change log inventory utility to be run.

Possible causes for the shortage of active log data space are:

- Excessive logging. For example, there is a lot of persistent message activity.
- Delayed or slow offloading. For example, failure to mount archive volumes, incorrect replies to offload messages, or slow device speeds.
- Excessive use of the ARCHIVE LOG command. Each invocation of this command causes the MQSeries subsystem to switch to a new active log data set and to initiate an offload of the active log. Although the command will not be processed when only one active log data set remains in a copy of the active log (see CSQJ319I), excessive use of the command could have consumed all space in the active log except the current active log data sets.
- Offloads were unsuccessful; see Operator Response.
- Insufficient active log space; see Operator Response.

CSQJ111A OUT OF SPACE IN ACTIVE LOG DATA SETS

Explanation: Due to delays in offload processing, all available space in all active log data sets has been exhausted. MQSeries recovery logging cannot continue.

Module: CSQJW307

System Action: The MQSeries log manager waits for an available data set. Any tasks performing MQSeries calls that require logging will hang.

Operator Response: Perform a display request to ensure that there are no outstanding requests that are related to the log offload process. Take the necessary action to satisfy any requests, and permit offload to continue.

System Programmer Response: If the delay was caused by the lack of a resource required for offload, the necessary resource must be made available to allow offload to complete and thus permit logging to proceed. For information about recovery from this condition, see the *MQSeries for OS/390 System Management Guide*.

If the problem occurred because archiving was set off, MQSeries was not able to allocate archive data sets, or any other reason that requires CSQZPARM to be changed, MQSeries must be canceled as neither STOP MODE(QUIESCE) or STOP MODE(FORCE) will work.

To free any tasks that are hanging because they were performing MQSeries calls that require logging, you must solve the underlying problem, or cancel the MQSeries subsystem.

CSQJ112E *csect-name* **INSUFFICIENT ACTIVE LOG DATA SETS DEFINED IN BSDS**

Explanation: There are not enough active log data sets defined in the BSDS to start MQSeries. This condition usually exists for one of the following reasons:

- Fewer than two data sets are defined for one of the active log copy sets.
- CSQ6LOGP specified TWOACTV=YES in MQSeries initialization parameters, but data sets for two copies of active log are not defined in BSDS.
- Fewer than two data sets are available (not flagged as STOPPED) for one of the active log copy sets.

Module: CSQJW006

System Action: MQSeries startup is terminated.

Operator Response: Notify the system programmer.

System Programmer Response: Use the change log inventory utility to make the number of active log data sets defined in the BSDS consistent with the parameters specified on CSQ6LOGP, or to add further active log data sets so that there are two or more active log data sets available for use by MQSeries in each active log copy. Restart MQSeries.

Note: Log data sets that are flagged as STOPPED will not be reused by MQSeries. Once MQSeries has been restarted you might need to recover STOPPED log data sets. To clear the STOPPED status:

1. Stop MQSeries
2. Recover the log data set (either redefined or recovered from the other copy of the log)
3. Delete and re-add to the BSDS (using the change log inventory utility) with the appropriate RBAs

CSQJ113E *log-rba* **NOT IN ANY ACTIVE OR ARCHIVE LOG DATA SET. CONNECTION-ID=aaaaaaa, THREAD-XREF=aaaaaaa**

Explanation: The log manager has been requested to read the log record starting at this RBA. However, this log record cannot be found in any active or archive log data set. The connection ID and thread-xref identify the user or application that encountered the problem (this could be an internal MQSeries task). See the *MQSeries for OS/390 System Management Guide* for information about dealing with problems on the log.

Module: CSQJR003

System Action: Depending upon what log record is being read and why, the log manager might abend with a reason code of X'00D1032A'.

Operator Response: Copy the RBA value, and notify the system programmer.

System Programmer Response: Probable user error. Most likely, the archive log data set that contained the requested RBA has been deleted from the BSDS by the change log inventory utility. Locate the output from an old print log map run, and identify the data set that contains the missing RBA. If the data set has not been reused, run the change log inventory utility to add this data set back into the inventory of log data sets. Restart MQSeries.

CSQJ114I **ERROR ON ARCHIVE DATA SET, OFFLOAD CONTINUING WITH ONLY ONE ARCHIVE DATA SET BEING GENERATED**

Explanation: An error occurred while accessing one of the archive data sets being created by offload. Because the dual archive option is specified, offload is continuing with the other archive data set. For the RBA range being offloaded, there is only one copy of archive instead of the usual two copies.

Module: CSQJOFF1, CSQJOFF4

System Action: Offload produces a single archive data set.

System Programmer Response: A second copy of this archive log data set can be made, and the BSDSs can be updated with the change log inventory utility.

CSQJ115E **OFFLOAD FAILED, COULD NOT ALLOCATE AN ARCHIVE DATA SET**

Explanation: Offload could not allocate an archive log data set. The offload was not performed. This message is preceded by message CSQJ103E or CSQJ073E.

Note: If you are using the dual archiving option, neither copy is made.

Module: CSQJOFF1

System Action: Offload will be tried at a later time.

Operator Response: Notify the system programmer.

System Programmer Response: Review the error status information of message CSQJ103E or CSQJ073E. Correct the condition that caused the data set allocation error so that, on retry, the offload can take place.

CSQJ116E **ERROR ATTEMPTING TO ADD ARCHIVE ENTRY TO BSDS**

Explanation: Offload could not add an archive entry to the BSDS. The offload is considered incomplete. The active log data set is not marked as reusable for new log data. This message is preceded by message CSQJ107E, CSQJ108E, or CSQJ109E.

Module: CSQJOFF3

System Action: Offload will be retried at a later time.

Operator Response: Notify the system programmer.

System Programmer Response: See the specific preceding message for action.

CSQJ117E **INITIALIZATION ERROR READING BSDS DSNAME=....., ERROR STATUS=...**

Explanation: The log manager encountered an error during initialization reading from the specified BSDS. Error Status contains the VSAM return and feedback codes. It is a 2-byte field with the first containing the hexadecimal return code and the second byte containing the hexadecimal feedback code. See the *DFSMS/MVS Macro Instructions for Data Sets* manual for a description of VSAM return and reason codes.

Module: CSQJB005

System Action: MQSeries startup is terminated.

Operator Response: Notify the system programmer.

System Programmer Response: Determine the cause of the read error using the VSAM error status information provided. Restart MQSeries.

**CSQJ118E LOG INITIALIZATION RECEIVED RETURN CODE *nnn*
FROM *xxxxxxx* MACRO**

Explanation: Log manager initialization received a return code from the named macro.

Module: CSQJS001

System Action: MQSeries initialization is terminated.

Operator Response: Notify the system programmer.

System Programmer Response: Determine the problem from the documentation on the named macro and return code. Then take appropriate steps, and restart the MQSeries subsystem. If you do not have information about the named macro, note the macro name and the return code and contact your IBM support center for help.

**CSQJ119E BOOTSTRAP ACCESS INITIALIZATION PROCESSING
FAILED**

Explanation: During log manager initialization, the BSDS access function was unable to complete its initialization process. See the *MQSeries for OS/390 System Management Guide* for information about dealing with problems on the BSDS or the log.

Module: CSQJS001

System Action: MQSeries startup is terminated.

Operator Response: Notify the system programmer.

System Programmer Response: One or more error messages describing the specific error have preceded this message. See the specific messages for error analysis and the appropriate action to take.

**CSQJ120E DUAL BSDS DATA SETS HAVE UNEQUAL TIME
STAMPS, SYSTEM BSDS1=*sys-bsds1*,
BSDS2=*sys-bsds2*, UTILITY BSDS1=*ute-bsds1*,
BSDS2=*ute-bsds2***

Explanation: When the log manager was initialized, the time stamps of the dual BSDS did not agree. The time stamps from the system and from the change log inventory utility are shown for each BSDS. The time stamps have the format date hh:mm:ss.th.

Module: CSQJB005

System Action: MQSeries startup is terminated.

Operator Response: Notify the system programmer, so operating procedures can be reviewed.

System Programmer Response: Run the print log map utility against each BSDS. From the output, determine which data set is obsolete, delete it, define a replacement for it, and copy the remaining BSDS to the replacement.

If output from the print log map utility for both data sets is similar, delete the data set with the oldest time stamp, and copy the data set with the most recent time stamp.

**CSQJ121E LOG MANAGER ENCOUNTERED AN ERROR
READING THE JFCB. DDNAME=*nnnnnnnn***

Explanation: During log manager initialization (if dual BSDS data sets are specified), the job file control block (JFCB) in OS/390 is read to obtain the data set names associated with DDNAME BSDS1 and BSDS2. This error is caused by a missing DD statement.

Module: CSQJB006

System Action: MQSeries is terminated.

Operator Response: Notify the system programmer.

System Programmer Response: Ensure that a DD statement exists in the MQSeries startup procedure for DDNAME BSDS1. If dual BSDS data sets are used, ensure that a DD statement also exists in the MQSeries startup procedure for DDNAME BSDS2.

**CSQJ122E DUAL BSDS DATA SETS ARE OUT OF
SYNCHRONIZATION**

Explanation: During log manager initialization, the dual BSDSs were found to differ in content.

Module: CSQJB005

System Action: MQSeries startup is terminated.

Operator Response: Notify the system programmer to allow operating procedures to be reviewed.

System Programmer Response: Run the print log map utility against each BSDS to determine which data set was last used as the first copy. Delete the second copy data set, define a replacement for the deleted data set, and copy the remaining BSDS to the replacement.

CSQJ123E CHANGE LOG INVENTORY FAILURE DETECTED

Explanation: During log manager initialization, the BSDSs was found to have been incompletely processed by the change log inventory utility.

Module: CSQJB005

System Action: MQSeries startup is terminated.

System Programmer Response: Run the print log map utility to determine what operation against the BSDSs did not complete. Run the change log inventory utility against the BSDSs to allow any unfinished processing to be completed.

**CSQJ124E OFFLOAD OF ACTIVE LOG SUSPENDED FROM RBA
xxxxxx TO RBA *xxxxxx* DUE TO I/O ERROR**

Explanation: During offload, an unrecoverable input/output error was encountered on an active log data set. The data set experiencing the error is marked unusable, and no further logging is done to that data set.

Module: CSQJOFF4

System Action: Active log data sets continue to be offloaded as they become full.

Operator Response: Notify the system programmer to allow recovery actions to be initiated.

System Programmer Response: Recover the data manually from the data set, copy it to an archive data set, run the change log inventory utility to make the new archive data set available to the MQSeries, and remove the error-prone active log data set from MQSeries by using the change log inventory utility.

**CSQJ125E ERROR DUMPING BSDS, OFFLOAD CONTINUING
WITHOUT PRODUCING THE BSDS DUMP**

Explanation: An error occurred while dumping the BSDS data set during the offload process. The data set is not produced, but the offload process continues. The volume containing the offloaded data set does not contain a BSDS for recovery use.

Module: CSQJOFF3

System Action: The system continues the offload process without producing a dump of the BSDS.

System Programmer Response: When archiving occurs, both a copy of the active log data set, and the BSDS at that time, are dumped. The BSDS is not critical because it will be dumped again.

with the next archive log (the missing one simply means an elongated restart). However, the underlying data management problem (for example, not enough space allocated) should be resolved for subsequent BSDS dumps to occur.

CSQJ126E BSDS ERROR FORCED SINGLE BSDS MODE

Explanation: The log manager encountered an input/output error or a VSAM logical error on a BSDS. This message is preceded by message CSQJ107E or CSQJ108E.

Module: CSQJB001

System Action: The log manager enters single BSDS mode using the remaining BSDS.

Operator Response: Notify the system programmer.

System Programmer Response: Execute an offline access method services job to rename the error BSDS and define a new BSDS with the same name. Then enter the log manager RECOVER BSDS command to reestablish dual BSDS mode.

CSQJ127I SYSTEM TIME STAMP FOR BSDS=...

Explanation: When the log manager is initialized, the system time stamp for the BSDS is displayed. The time stamp is of the format date hh:mm:ss.th. This time stamp should be close to the last time at which this subsystem was stopped. If not, it might indicate a restart is being attempted with the wrong BSDS.

The timestamp will show as '****' if the BSDS has not been used before.

Module: CSQJB005

System Action: MQSeries startup continues.

Operator Response: If the time displayed is not close to the time this subsystem was last stopped, contact the system programmer.

System Programmer Response: If you cannot explain any time discrepancy, cancel the subsystem. From the subsystem startup procedure, determine the data set names of the BSDSs and run the print log map utility. Check whether the active and archive log data sets all belong to this subsystem. If not, then change the startup procedure for the subsystem services address space to use the correct BSDSs.

CSQJ128E LOG OFF-LOAD TASK FAILED FOR ACTIVE LOG nnnn

Explanation: The offload task abended while attempting to offload the RBA range in active log data set *nnnn*.

Module: CSQJOFF6

System Action: The offload task terminates and the archive data sets allocated to the offload task are deallocated and deleted. The status of the active log data sets involved in the unsuccessful offload processing remains set to 'not reusable'.

The log offload task will be reinitiated by one of several events. The most common are:

- All the available space in the current active log data set has been used (normal case)
- A CSQJ110E message is issued
- The MQSeries address space is started, but data in the active log has not been archived
- An I/O error occurs on the active log, which will force the system to truncate and offload the active log data set, and switch to a new active log data set

Operator Response: This message is the result of an offload error, and will be preceded by one or more MQSeries messages (for example, CSQJ073E) and OS/390 ABEND messages (for example, IEC030I, IEC031I, IEC032I). If MQSeries is operating with restricted active log resources (see message CSQJ110E), quiesce the system to restrict logging activity until the ABEND or the CSQJ110E condition can be resolved. Notify the system programmer.

System Programmer Response: Investigate and correct the cause of the ABEND before the offload is attempted again by MQSeries.

Problem Determination: This message is the result of an offload ABEND and will be preceded by one or more MQSeries messages and OS/390 ABEND messages. See the appropriate Messages and Codes manual for the associated MQSeries and OS/390 messages to formulate a course of corrective action. Use the print log map utility (CSQJU004) to print the BSDS (both copies if running in dual mode), then use the CSQJU004 output to determine the current status of the active and archive log data sets.

This message can be generated for a variety of reasons. However, the most likely are:

- Archive log data set allocation errors. See the text for message CSQJ103E for corrective action.
- The size of the archive log data set is too small to contain the active log data sets during offload processing. All secondary space allocations have been used. This condition is normally accompanied by OS/390 ABEND message IEC030I.
- All available space on the DASD volumes to which the archive data set is being written has been exhausted. This condition is normally accompanied by OS/390 ABEND message IEC032I.
- The primary space allocation for the archive log data set (as specified in ZPARMS) is too large to allocate to any available online DASD device. This condition is normally accompanied by OS/390 ABEND message IEC032I.

CSQJ129E END OF LOG RBA *eol-rba* COULD NOT BE FOUND IN ANY ACTIVE LOG DATA SET HIGHEST RBA FOUND WAS *hi-rba*

Explanation: The log manager has been requested to find *eol-rba*, the log record that has been recorded in the BSDS as the highest RBA written. This RBA cannot be found in any active log data set. The highest RBA which could be found in any active data set was *hi-rba*.

Module: CSQJW009

System Action: MQSeries startup processing is terminated.

Operator Response: Notify the system programmer.

System Programmer Response: Most likely, the active log data set containing the requested RBA has been deleted from the BSDS by the change log inventory utility. If the data set has not been reused, run the change log inventory utility to add this data set back into the BSDS. Restart MQSeries.

If the data set is not available, contact your IBM support center.

CSQJ139I LOG OFFLOAD TASK ENDED

Explanation: Processing of the active log offload ended.

Module: CSQJOFF1

System Action: This message is written to the OS/390 console.

Operator Response: This message does not guarantee that the offload completed without errors. Check the console log and task messages to review the execution of the offload task to determine whether any abnormal events occurred during the offload.

CSQJ150E LOG CAPTURE EXIT ABEND, EXIT DEACTIVATED

Explanation: An abnormal program interrupt was detected while executing in the installation-supplied log capture exit code (that is entry point CSQJW117 in load module CSQJL004). As a result of the abend, the log capture exit will no longer be active; log data will no longer be available for exit capture/processing.

This message can only occur when an *installation supplied log capture exit* (entry CSQJW117) is active for this queue manager.

Module: CSQJW008

System Action: The log capture exit (entry point CSQJW117) is terminated. No further calls will be attempted for this queue manager. A full dump is provided for diagnostic purposes.

System Programmer Response: Determine the cause of the CSQJL004 load module (CSQJW117 entry point) abend and take corrective action.

Note: A correctly-functioning copy of load module CSQJL004/entry CSQJW117 *must* be available in order to start MQSeries. If the problem that caused this abend cannot be corrected, ensure that the default CSQJW117 entry (load module CSQJL004 - supplied with the MQSeries release) is available during the next MQSeries subsystem start.

CSQJ200I csect-name UTILITY PROCESSING COMPLETED SUCCESSFULLY

Explanation: The utility completed successfully.

Module: CSQJU003, CSQJU004

CSQJ201I csect-name UTILITY PROCESSING WAS UNSUCCESSFUL

Explanation: The utility was unable to complete processing successfully.

Module: CSQJU003, CSQJU004

System Action: The current utility is terminated.

Operator Response: Review other messages produced by the utility to determine the appropriate action to be taken.

CSQJ202E csect-name INSUFFICIENT VIRTUAL STORAGE AVAILABLE TO CONTINUE WITH UTILITY

Explanation: A GETMAIN macro instruction was unsuccessful because virtual storage is unavailable for the job-step.

Module: CSQJU001, CSQJU002, CSQJU003

System Action: The current utility is terminated.

Operator Response: Rerun the utility after providing a larger virtual storage allocation for the job-step.

CSQJ203E xxxxxxxx OPERATION IS INVALID

Explanation: The user entered a utility control statement operation (xxxxxxx) that is invalid.

Module: CSQJU001

System Action: The current utility is terminated.

Operator Response: Correct the control statement, and rerun the utility.

CSQJ204E xxxxxxxx PARAMETER IS INVALID

Explanation: The user specified a utility control statement parameter (xxxxxxx) that is invalid.

Module: CSQJU001

System Action: The current utility is terminated.

Operator Response: Correct the control statement, and rerun the utility.

CSQJ205E xxxxxxxx PARAMETER HAS NO ARGUMENT

Explanation: xxxxxxxx contains the name of a parameter that requires an argument.

Module: CSQJU001

System Action: The current utility is terminated.

Operator Response: Specify an argument for the identified parameter and then rerun the utility.

CSQJ206E xxxxxxxx PARAMETER REQUIRES NO ARGUMENT

Explanation: xxxxxxxx contains the name of the parameter that has been incorrectly followed by an = symbol.

Module: CSQJU001

System Action: The current utility is terminated.

Operator Response: Correct the control statement, and rerun the utility.

CSQJ207E csect-name PARAMETERS INCONSISTENT WITH SPECIFIED OPERATION

Explanation: The user has specified utility control statement parameters that are inconsistent with the specified utility operation.

Module: CSQJU001, CSQJU103, CSQJU203, CSQJU603

System Action: The current utility is terminated.

Operator Response: Correct the control statement, and rerun the utility.

CSQJ209E ENDRBA VALUE MUST BE GREATER THAN STARTRBA VALUE

Explanation: The STARTRBA and ENDRBA parameters specify an RBA range. The ENDRBA value must be greater than the STARTRBA value.

Module: CSQJU103, CSQJU603

System Action: The current utility is terminated.

Operator Response: Correct the control statement, and rerun the utility.

CSQJ211E UNEXPECTED END OF DATA ON SYSIN DATA SET

Explanation: Additional control statements were expected, but could not be found.

Module: CSQJU001, CSQJU003

System Action: The current utility is terminated.

Operator Response: Correct the control statements, and rerun the utility.

CSQJ212E *csect-name* ERROR RETURNED FROM BSDS READ,
RPLERRCD=*yy*, DDNAME=*xxxxxxx*

Explanation: A VSAM GET was issued that resulted in a nonzero return code. *yy* contains the error code returned by VSAM. *xxxxxxx* contains the ddname of the BSDS encountering the error.

Module: CSQJU002, CSQJU102

System Action: The current utility is terminated.

Operator Response: The action taken is dictated by the return code. The BSDS might have to be recovered by use of a backup copy.

CSQJ213E *csect-name* ERROR RETURNED FROM BSDS WRITE,
RPLERRCD=*yy*, DDNAME=*xxxxxxx*

Explanation: A VSAM PUT was issued that resulted in a nonzero return code. *yy* contains the error code returned by VSAM. *xxxxxxx* contains the ddname of the BSDS encountering the error.

Module: CSQJU002, CSQJU102

System Action: The current utility is terminated.

Operator Response: The action to be taken is dictated by the return code. The BSDS might have to be recovered by use of a backup copy.

CSQJ214E SPECIFIED DSNNAME ALREADY EXISTS IN BSDS,
DDNAME=*xxxxxxx*

Explanation: You attempted a NEWLOG operation with a data set name that already exists in the BSDS. An entry is never made in a BSDS if the specified DSNNAME currently exists in either the active or archive records of that BSDS. *xxxxxxx* contains the ddname of the subject BSDS.

Module: CSQJU103

System Action: The current utility is terminated.

Operator Response: Either correct the control statement and rerun the utility, or delete the existing DSNNAME from the BSDS and rerun the utility.

CSQJ216E BSDS ACTIVE LOG DATA SET RECORD IS FULL,
DDNAME=*xxxxxxx*

Explanation: The maximum number of active log data sets is fixed. No further entries can be inserted after the maximum has been reached. *xxxxxxx* contains the ddname of the subject BSDS.

Module: CSQJU103

System Action: The current utility is terminated.

Operator Response: Run the print log map utility to determine the current status of the BSDS. Subsequent actions can then be formulated, depending upon the status of the BSDS.

CSQJ217E SPECIFIED DSNNAME DOES NOT EXIST IN BSDS,
DDNAME=*xxxxxxx*

Explanation: The DELETE operation specifies a DSNNAME that cannot be found in the BSDS. *xxxxxxx* contains the ddname of the subject BSDS.

Module: CSQJU203

System Action: The current utility is terminated.

Operator Response: Correct the control statement, and rerun the utility.

CSQJ218E SPECIFIED VOLUME DOES NOT EXIST IN BSDS,
DDNAME=*xxxxxxx*

Explanation: The DELETE operation specifies a COPY1VOL or COPY2VOL argument that cannot be found in the BSDS. *xxxxxxx* contains the ddname of the subject BSDS.

Module: CSQJU203

System Action: The current utility is terminated.

Operator Response: Correct the control statement, and rerun the utility.

CSQJ219E *csect-name* OPEN ERROR, DDNAME=*xxxxxxx*

Explanation: An error occurred when *csect-name* tried to open a data set named *xxxxxxx*.

This error can be caused by a number of different conditions. The most probable conditions are:

1. The ddname of the SYSPRINT, SYSIN, or SYSUT1 data set was not specified in the user's job control language (JCL)
2. The MQSeries subsystem is currently executing
3. The BSDS has been allocated by another job with a disposition (DISP) that conflicts with the DISP specified in the user's JCL
4. The data set associated with *xxxxxxx* is already open, possibly due to an earlier system abend
5. The user is not authorized to access the data set associated with *xxxxxxx*
6. Insufficient virtual storage is available to perform the OPEN command
7. The catalog indicates that the data set associated with *xxxxxxx* has an invalid physical record size

Module: CSQJU001, CSQJU002

System Action: The current utility is terminated.

Operator Response: The user's action depends on the condition that caused the OPEN error. The following is a list of appropriate actions corresponding to the conditions listed in the explanation:

1. Provide the missing data definition (DD) statements, and then rerun the utility. See the *MQSeries for OS/390 Program Directory* for details concerning the required DD statements.
2. Wait until the MQSeries subsystem is inactive before running the utility again because the log utility cannot execute while the MQSeries subsystem is active.
3. Correct the disposition conflict and then rerun the utility.
4. Submit an access method services (IDCAMS) VERIFY job against the data set associated with *xxxxxxx*. Rerun the log utility job.
5. In the case of an authorization problem, a separate message is usually generated from the authorization facility (RACF, for example). Investigate the authorization messages and obtain the proper authorization before running the utility again.
6. Insufficient virtual storage is usually accompanied by a separate error from the OS/390 operating system. Increase the REGION size on the JCL job step and rerun the utility.
7. Reallocate the data set with a suitable physical record size.

**CSQJ220E BSDS IN CREATE MODE. NO DATA TO MAP,
DDNAME=nnnnnnnn**

Explanation: The print log map utility found the BSDS to be in create mode, so it cannot contain data to map. *nnnnnnnn* contains the ddname of the data set.

Module: CSQJU004

System Action: The current utility is terminated.

Operator Response: Correct the JCL so that a non-null data set can be processed.

**CSQJ221I PREVIOUS ERROR CAUSED xxxxxxxx OPERATION TO
BE BYPASSED**

Explanation: MQSeries encountered errors while processing a utility. These errors subsequently caused *xxxxxxx* to be bypassed.

This message is a warning only and is displayed after messages that specify the error or errors that caused the utility operation to abend. Note that the error or errors might not be associated with the current *xxxxxxx* operation; rather, under log utility processing, a significant error in any operation causes the control statements for this and any subsequent operations to be checked for syntax only. BSDS updates do not occur for any operation specified in this message.

Module: CSQJU003

System Action: The log utility continues to process. However, for this and all subsequent operations, the BSDS is not updated and the utility only checks the syntax of the control statements.

Operator Response: Consult the previous messages and correct any errors that caused this message to be generated. Resubmit the log utility job for all operations that have been bypassed.

**CSQJ222E INVALID SPECIFICATION OF xxxx PARAMETER
ARGUMENT**

Explanation: You specified the parameter *xxxx*. This parameter is not valid for the argument.

Module: CSQJU103, CSQJU003, CSQJU403, CSQJU503

System Action: The current utility is terminated.

Operator Response: Correct the parameter argument on the control statement, and rerun the utility.

**CSQJ223E xxxx PARAMETER ARGUMENT EXCEEDS MAXIMUM
ALLOWABLE LENGTH**

Explanation: *xxxx* specifies the name of the parameter whose argument value exceeded the maximum length allowed.

Module: CSQJU001

System Action: The current utility is terminated.

Operator Response: Correct the parameter argument on the control statement, and rerun the utility.

CSQJ224E xxxx PARAMETER APPEARS TOO OFTEN

Explanation: *xxxx* gives the name of the parameter that you have specified more than once on the same control statement.

Module: CSQJU001

System Action: The current utility is terminated.

Operator Response: Remove the redundant parameter, and rerun the utility.

CSQJ225I xxxx OPERATION SUCCESSFULLY COMPLETED

Explanation: The *xxxx* specified in the message identifies the name of the change log inventory utility operation that has been successfully completed.

Module: CSQJU003

**CSQJ226E SPECIFIED VOLUME ALREADY EXISTS IN BSDS,
DDNAME=xxxxxxx**

Explanation: The specified volume currently exists in the archive log records of the BSDS. *xxxxxxx* specifies the ddname of the subject BSDS.

Module: CSQJU103

System Action: The current utility is terminated.

Operator Response: Either correct the parameter argument on the control statement, or delete the specified volume and rerun the utility.

**CSQJ227E NO SPACE IN BSDS FOR ADDITIONAL ARCHIVE
ENTRIES, DDNAME=xxxxxxx**

Explanation: The maximum number of archive volumes has been exceeded, and no more space is available for volume entries in the copy specified.

Module: CSQJU103

System Action: The current utility is terminated.

Operator Response: Delete some of the archive entries in the specified copy number, and rerun the utility.

**CSQJ228E LOG DEALLOCATION ERROR DSNAME=dsname,
ERROR STATUS=eeeeiiii**

Explanation: The log manager encountered an error when trying to dynamically deallocate the data set. Error status is the error reason code returned by OS/390 dynamic allocation.

Module: CSQJDS01

System Action: Log manager processing continues.

Operator Response: Notify the system programmer.

System Programmer Response: The error status portion of this message contains the 2-byte error code (S99ERROR) followed by the 2-byte information code (S99INFO) from the SVC request block. See the *MVS Authorized Assembler Services Guide* manual for a description of these codes.

**CSQJ230E LOG OFFLOAD INITIALIZATION PROCESSING
FAILED**

Explanation: During log manager initialization, the offload function was unable to complete its initialization process.

Module: CSQJS001

System Action: MQSeries startup is terminated.

Operator Response: Notify the system programmer.

System Programmer Response: One or more error messages describing the specific error preceded this message. See the specific messages for error analysis and the appropriate actions to take.

CSQJ231E LOG COMMAND INITIALIZATION PROCESSING FAILED

Explanation: During log manager initialization, the log command function was unable to complete its initialization process.

Module: CSQJS001

System Action: MQSeries startup is terminated.

Operator Response: The rest of subsystem termination will direct the actions you should take.

System Programmer Response: One or more error messages describing the specific error preceded this message. See the specific messages for error analysis and the appropriate action to take.

CSQJ232E OUTPUT DATA SET CONTROL INITIALIZATION PROCESSING FAILED

Explanation: During log manager initialization, the output data set control function was unable to complete its initialization process.

Module: CSQJS001

System Action: MQSeries startup is terminated.

System Programmer Response: One or more error messages describing the specific error preceded this message. See the specific message for error analysis and the appropriate action to take.

CSQJ233E ARCHIVE LOG READ INITIALIZATION PROCESSING FAILED

Explanation: During log manager initialization, the archive log read function was unable to complete its initialization process.

Module: CSQJS001

System Action: MQSeries startup is terminated.

Operator Response: Notify the system programmer.

System Programmer Response: One or more error messages describing the specific error preceded this message. See the specific messages for error analysis and the appropriate action to take.

CSQJ234E ARCHIVE LOG COMMAND QUIESCE INITIALIZATION PROCESSING FAILED

Explanation: During log manager initialization, the quiesce function which supports the ARCHIVE LOG MODE(QUIESCE) command processing was unable to complete its initialization process.

Module: CSQJS001

System Action: MQSeries startup is terminated.

Operator Response: Notify the system programmer.

System Programmer Response: One or more error messages describing the specific error preceded this message. See the specific messages for error analysis and the appropriate action to take.

CSQJ235E OUTPUT BUFFER WRITER INITIALIZATION PROCESSING FAILED

Explanation: During log manager initialization, the output buffer writer function was unable to complete its initialization process.

Module: CSQJS001

System Action: MQSeries startup is terminated.

Operator Response: Notify the system programmer.

System Programmer Response: One or more error messages describing the specific error preceded this message. See the specific messages for error analysis and the appropriate action to take.

CSQJ236E BOOTSTRAP ACCESS TERMINATION PROCESSING FAILED

Explanation: During log manager termination, the BSDS access function was unable to complete its termination process.

Module: CSQJT001

System Action: Log manager shutdown continues to the next step.

Operator Response: Notify the system programmer.

System Programmer Response: One or more error messages describing the specific error preceded this message. See the specific messages for error analysis and the appropriate action to take.

CSQJ238E LOG OFFLOAD TERMINATION PROCESSING FAILED

Explanation: During log manager termination, the offload function was unable to complete its termination process.

Module: CSQJT001

System Action: Log manager shutdown continues to the next step.

Operator Response: Notify the system programmer.

System Programmer Response: One or more error messages describing the specific error preceded this message. See the specific messages for error analysis and the appropriate action to take.

CSQJ239E LOG COMMAND TERMINATION PROCESSING FAILED

Explanation: During log manager termination, the log command function was unable to complete its termination process.

Module: CSQJT001

System Action: Log manager shutdown continues to the next step.

Operator Response: Notify the system programmer.

System Programmer Response: One or more error messages describing the specific error preceded this message. See the specific messages for error analysis and the appropriate action to take.

CSQJ240E OUTPUT DATA SET CONTROL TERMINATION PROCESSING FAILED

Explanation: During log manager termination, the output data set control function was unable to complete its termination process.

Module: CSQJT001

System Action: The log manager shutdown continues to the next step.

Operator Response: Notify the system programmer.

System Programmer Response: One or more error messages describing the specific error preceded this message. See the specific messages for error analysis and the appropriate action to take.

CSQJ241E ARCHIVE LOG READ TERMINATION PROCESSING FAILED

Explanation: During log manager termination, the archive log read function was unable to complete its termination process.

Module: CSQJT001

System Action: Log manager shutdown continues to the next step.

Operator Response: Notify the system programmer.

System Programmer Response: One or more error messages describing the specific error preceded this message. See the specific messages for error analysis and the appropriate action to take.

CSQJ242E ARCHIVE LOG COMMAND QUIESCE TERMINATION PROCESSING FAILED

Explanation: During log manager termination, the quiesce function which supports the ARCHIVE LOG MODE(QUIESCE) command processing was unable to complete its termination process.

Module: CSQJT001

System Action: Log manager shutdown continues to the next step.

Operator Response: Notify the system programmer.

System Programmer Response: One or more error messages describing the specific error preceded this message. See the specific messages for error analysis and the appropriate action to take.

CSQJ243E OUTPUT BUFFER WRITER TERMINATION PROCESSING FAILED

Explanation: During log manager termination, the output buffer writer function was unable to complete its termination process.

Module: CSQJT001

System Action: Log manager shutdown continues to the next step.

Operator Response: Notify the system programmer.

System Programmer Response: One or more error messages describing the specific error preceded this message. See the specific messages for error analysis and the appropriate action to take.

CSQJ244E LOG TERMINATION RECEIVED RETURN CODE *nnn* FROM *xxxxxxx* MACRO

Explanation: Log manager termination was passed a return code from the named macro that indicated an error.

Module: CSQJT001

System Action: Log manager termination processing continues.

Operator Response: Record the return code and macro-name, and notify the system programmer.

System Programmer Response: This message is associated with an error in the named macro. If you suspect an error in MQSeries, see the *MQSeries for OS/390 Problem Determination Guide* for information about identifying and reporting the problem.

CSQJ245D RESTART CONTROL INDICATES TRUNCATION AT RBA *rrr*. REPLY Y TO CONTINUE, N TO CANCEL

Explanation: The conditional restart control record in use indicates that the log should be truncated at the specified RBA.

System Action: If 'Y', MQSeries startup continues. If 'N', MQSeries startup is terminated.

Operator Response: Reply 'N' if the truncation is going to occur at an undesirable point. Notify the system programmer. Reply 'Y' to continue the restart.

System Programmer Response: Run the change log inventory utility to modify the conditional restart record.

CSQJ246D RESTART CONTROL INDICATES COLD START AT RBA *rrr*. REPLY Y TO CONTINUE, N TO CANCEL

Explanation: The conditional restart control record in use indicates that MQSeries is to be cold started and that logging is to begin at the specified RBA.

System Action: If 'Y', MQSeries startup continues. If 'N', MQSeries startup is terminated.

Operator Response: Reply 'N' if the truncation is going to occur at an undesirable point. Notify the system programmer. Reply 'Y' to continue the cold start.

System Programmer Response: Run the change log inventory utility to modify the conditional restart record.

CSQJ247E *csect-name* I/O ERROR DURING PROCESSING OF *rrr* RC=*rc*, REASON=*reason*

Explanation: The input/output error occurred at record *rrr*. *rc* indicates the return code received from the input/output operation. *reason* indicates the reason code received from the operation.

Return code 4 indicates that the log manager detected a problem. Return code 8 indicates a VSAM error.

Module: CSQJW306

System Action: MQSeries startup terminates.

Operator Response: Notify the system programmer.

System Programmer Response: For a return code of 4, if you suspect an error in MQSeries, see the *MQSeries for OS/390 Problem Determination Guide* for information about identifying and reporting the problem. For a return code of 8, execute an offline access method services job to determine the cause of the VSAM error.

CSQJ301E *csect-name* ERROR *action* ONLINE BOOTSTRAP DATA SET

Explanation: During command processing for the RECOVER BSDS command or the ARCHIVE LOG command, an error occurred while performing an operation on the BSDS. The type of operation is specified in the *action* keyword in the message text:

ACCESSING	Unable to OPEN the BSDS
READING	Unable to read a required record from the BSDS
UPDATING	Unable to write a required record to the BSDS
RESTORING DUAL	The contents of the stable BSDS was successfully copied to the replacement BSDS; however, the MQSeries subsystem was unable to successfully restore dual BSDS operation

Module: CSQJC002, CSQJC005, CSQJC007

System Action: If this message was received during processing of the RECOVER BSDS command, then the MQSeries subsystem will continue in single BSDS mode. If this message was received during processing of the ARCHIVE LOG command, the archive log history record in the BSDS will not be updated to reflect the occurrence of an ARCHIVE LOG command; logging and the offload processing will continue.

Operator Response: Inform the system programmer of the type of error that occurred and whether the error occurred while processing a RECOVER BSDS command or an ARCHIVE LOG command.

System Programmer Response: If this message was received during processing of the RECOVER BSDS command, recovery action must be performed on the BSDS before re-entering the command. If this message was received during processing of the ARCHIVE LOG command, no action is necessary.

CSQJ302E ALLOCATION ERROR ON REPLACEMENT BSDS DSNAME=... ERROR STATUS=...

Explanation: The RECOVER BSDS command encountered an error while trying to allocate the specified data set dynamically. DSNAME is the data set name. Error Status is the error code and information code returned by OS/390 dynamic allocation.

Module: CSQJC004

System Action: Processing of the command is terminated. The system continues in single BSDS mode.

Operator Response: Determine the cause of the error from the error status contained in the message, and correct the condition. Then re-enter the RECOVER BSDS command.

System Programmer Response: The error status portion of this message contains the 2-byte error code (S99ERROR) followed by the 2-byte information code (S99INFO) from the SVC request block. See the *MVS Authorized Assembler Services Guide* manual for a description of these codes.

CSQJ303E WRITE ERROR ON REPLACEMENT BSDS DSNAME=... ERROR STATUS=...

Explanation: The RECOVER BSDS command encountered an error while attempting to write to the specified BSDS. Error Status contains the VSAM return and feedback codes. It is a 2-byte field with the first containing the hexadecimal return code and the second containing the hexadecimal feedback code.

System Action: Processing of the command is terminated. The system continues in single BSDS mode.

Module: CSQJC002

Operator Response: Notify the system programmer.

System Programmer Response: Execute an offline access method services job to delete or rename the replacement BSDS and define a new BSDS with the same name. Re-enter the log manager RECOVER BSDS command to reestablish dual BSDS mode.

CSQJ304E ERROR CLOSING REPLACEMENT BSDS DSNAME=... ERROR STATUS=...

Explanation: The RECOVER BSDS command encountered an error while attempting to close the specified BSDS. Error Status contains the VSAM return and feedback codes. It is a 2-byte field with the first containing the hexadecimal return code and the second containing the hexadecimal feedback code.

Module: CSQJC004

System Action: Processing of the command is terminated. The system continues in single BSDS mode.

Operator Response: Notify the system programmer.

System Programmer Response: Execute an offline access method services job to delete or rename the replacement BSDS and define a new BSDS with the same name. Re-enter the log manager RECOVER BSDS command to reestablish dual BSDS mode.

CSQJ305E REPLACEMENT BSDS NOT EMPTY DSNAME=...

Explanation: The RECOVER BSDS command was issued, but the replacement BSDS was not empty; that is, it contained data.

Module: CSQJC004

System Action: Processing of the command is terminated. MQSeries continues in single BSDS mode.

Operator Response: Notify the system programmer.

System Programmer Response: Execute an offline access method services job to delete or rename the error BSDS and define a new BSDS with the same name. Re-enter the log manager RECOVER BSDS command to reestablish dual BSDS mode.

CSQJ306I DUAL BSDS MODE ALREADY ESTABLISHED

Explanation: The RECOVER BSDS command was issued, but MQSeries was already in dual BSDS mode.

Module: CSQJC002

System Action: The command is ignored.

CSQJ307I LOG INITIALIZED IN SINGLE BSDS MODE

Explanation: The RECOVER BSDS command was issued, but the system was initialized in single BSDS mode.

Module: CSQJC002

System Action: Processing of the command is terminated. The system continues in single BSDS mode.

CSQJ309I SYNCHRONOUS ARCHIVE LOG COMMAND QUIESCE PROCESSING STARTING FOR MAXIMUM OF xxx SECONDS

Explanation: An ARCHIVE LOG command with the MODE(QUIESCE) option has been accepted by the MQSeries subsystem. The quiesce processing has commenced.

Module: CSQJC005

System Action: The MQSeries subsystem attempts to stop all updates to MQSeries resources within the time period specified in the message. Users and jobs operating on the MQSeries subsystem are allowed to reach a point of consistency (commit point) before being blocked from further update activity. Users and jobs are suspended until they are released by MQSeries following the initiation of the offload processing. If the MQSeries subsystem can effectively block all users from performing updates before the maximum specified time, the offload is initiated immediately, and normal processing is resumed.

SYNCHRONOUS means the invoker used the WAIT(YES) option. This means that quiesce processing will be synchronous to the user; that is, the user can enter additional MQSeries commands, but the commands will not be processed by the MQSeries command processor until the quiesce processing has ended.

This message will be followed by message CSQJ311I or CSQJ317I.

Operator Response: No operator response is necessary. However, it can be expected that users and jobs using MQSeries resources will be suspended by MQSeries through the duration of the specified time interval, or until the MQSeries subsystem can be certain that all update activity has been effectively blocked. At some

point, this message will be followed by the CSQJ311I message or CSQJ317I message.

**CSQJ310I ASYNCHRONOUS ARCHIVE LOG COMMAND
QUIESCE PROCESSING STARTING FOR MAXIMUM
OF *xxx* SECONDS**

Explanation: An ARCHIVE LOG command with the MODE(QUIESCE) option has been accepted by the MQSeries subsystem. The quiesce processing has commenced.

Module: CSQJC005

System Action: The MQSeries subsystem attempts to stop all updates to MQSeries resources within the time period specified in the message. Users and jobs operating on the MQSeries subsystem are allowed to reach a point of consistency (commit point) before being blocked from further update activity. Users and jobs are suspended until they are released by MQSeries following the initiation of the offload processing. If the MQSeries subsystem can effectively block all users from performing updates before the maximum specified time, the offload is initiated immediately, and normal processing is resumed.

ASYNCHRONOUS means the invoker used the WAIT(NO) option, or did not specify the WAIT option. This means that quiesce processing will be asynchronous to the user; that is, control will be returned to the invoker as soon as the quiesce task has been started. Thus, the MQSeries command processor will accept, and process, any new MQSeries commands while the quiesce task is running.

This message will be followed by message CSQJ311I or CSQJ317I.

Operator Response: No operator response is necessary. However, it can be expected that users and jobs using MQSeries resources will be suspended by MQSeries through the duration of the specified time interval, or until the MQSeries subsystem can be certain that all update activity has been effectively blocked. At some point, this message will be followed by the CSQJ311I message or CSQJ317I message.

**CSQJ311I *csect-name* ASYNCHRONOUS LOG ARCHIVE
(OFFLOAD) TASK INITIATED**

Explanation: A user-initiated ARCHIVE LOG command has been accepted by the MQSeries subsystem. An asynchronous task to archive (offload) the active log data set has been started.

Module: CSQJC005, CSQJC007

System Action: The current active log data sets will be truncated and switched to the next available active log data sets, and an asynchronous offload task will be initiated to archive the active log data sets.

The term ASYNCHRONOUS is used to indicate that control will be returned to the invoker as soon as the offload task has been started. Thus, the MQSeries command processor will accept, and process, any MQSeries commands while the offload task is running.

This message will be followed by the CSQJ312I message if the MODE(QUIESCE) option was used with the ARCHIVE LOG command.

Operator Response: The operator should respond as for normal operational procedures when the offload task begins.

**CSQJ312I ARCHIVE LOG QUIESCE ENDED. UPDATE ACTIVITY
IS NOW RESUMED.**

Explanation: An ARCHIVE LOG command with the MODE(QUIESCE) option was processed by the queue manager. As part of the MODE(QUIESCE) processing, an attempt was made to stop all new update activity against MQSeries resources. This message signals the end of the quiesce processing, and the resumption of normal activity for all users and jobs which were blocked during the quiesce period.

This message will follow the CSQJ311I message or CSQJ317I message.

Module: CSQJC007

System Action: The queue manager has now resumed all normal activity for all users and jobs which were blocked during the quiesce period.

**CSQJ313E PARAMETER SPECIFIED ON THE *keyword* KEYWORD
(*value*) IS NOT IN THE RANGE OF ALLOWABLE
VALUES**

Explanation: An ARCHIVE LOG command with the MODE(QUIESCE) option was processed by the MQSeries subsystem. One of the command keywords specified a value which was outside of the permitted range of allowed values.

Module: CSQJC005

System Action: Processing for the ARCHIVE LOG command is terminated. This message is followed by message CSQ9023E.

Operator Response: See the *MQSeries Command Reference* manual for information about the correct syntax of the command. Correct the command syntax, and re-enter the command.

**CSQJ314E *xxxx* KEYWORD REQUIRES *yyyy* KEYWORD TO
ALSO BE SPECIFIED ON THE COMMAND**

Explanation: A command was entered that specified the *xxxx* keyword. However, use of the *xxxx* keyword requires that the *yyyy* keyword also be used.

Module: CSQJC005

System Action: Command processing will terminate for the ARCHIVE LOG or RECOVER BSDS command. This message is followed by message CSQ9023E.

Operator Response: See the *MQSeries Command Reference* manual for information about the correct syntax of the command. Correct the command syntax, and re-enter the command.

CSQJ315I STOP QMGR MODE(FORCE) IN PROGRESS

Explanation: An attempt was made to issue an ARCHIVE LOG command when a STOP QMGR MODE(FORCE) command was already in progress.

Module: CSQJC005

System Action: Command processing will terminate for the ARCHIVE LOG command. The STOP QMGR MODE(FORCE) processing will continue.

CSQJ316I SYSTEM QUIESCE ALREADY IN PROGRESS

Explanation: An attempt was made to issue an ARCHIVE LOG command with the MODE(QUIESCE) option when a system quiesce was already in progress. The system quiesce could be the result of processing by another ARCHIVE LOG MODE(QUIESCE) command, or by a STOP QMGR MODE(QUIESCE) command.

Module: CSQJC005

System Action: Command processing will terminate. The system quiesce currently in progress will continue.

CSQJ317I ARCHIVE LOG QUIESCE PERIOD EXPIRED. NUMBER OF OUTSTANDING UR'S=xxxx. ARCHIVE LOG PROCESSING WILL BE TERMINATED, AND UPDATE ACTIVITY WILL BE RESUMED. time

Explanation: An ARCHIVE LOG MODE(QUIESCE) command was processed by the queue manager. However, the queue manager was not able to quiesce all update activity in the user-specified quiesce time interval.

Module: CSQJC007

System Action: This message is for information only. The queue manager determined that xxxx units of recovery did not reach a point of consistency during the quiesce period, and therefore could not be stopped from continuing their associated update processing.

Consequently, the ARCHIVE LOG processing will be terminated. The current active log data sets will not be truncated, and will not be switched to the next available active log data sets. The log archive (offload) task will not be created. All jobs and users suspended during the quiesce will be resumed, and normal update activity against MQSeries resources will be commenced.

This message will be followed by the CSQJ312I message.

Operator Response: Contact the system programmer.

System Programmer Response: You must decide whether the outstanding (non-quiesced) units of recovery represent significant work.

Each user on the system has a unit of recovery if they are modifying MQSeries resources. Units of recovery are also created by the queue manager itself for internal processing. Because the purpose of the MODE(QUIESCE) option is to have all units of recovery reach a point of consistency (commit point) before the active log data set is truncated and offloaded, determine all outstanding non-queued jobs and users by using DISPLAY THREAD and the OS/390 DISPLAY ACTIVE,LIST operator command.

Note that units of recovery might be outstanding due to lock contention between a user or job that holds a resource (and has reached a point of consistency), and a user or job that wants a lock (and therefore cannot reach a point of consistency).

Before resubmitting the ARCHIVE LOG command with the MODE(QUIESCE) option, either:

- Wait until the threads have been deallocated
- Wait until the queue manager is less busy
- Force the offending threads to terminate
- Use the TIME option to override and extend the maximum quiesce time period specified in ZPARMS dynamically
- If having all units of recovery reach a point of consistency in the active log is no longer critical, issue the ARCHIVE LOG command without the MODE(QUIESCE) option

Note: If you decide to use the ARCHIVE LOG command without the MODE(QUIESCE) option, the active log data sets will be truncated without regard to quiescing activity on the

MQSeries subsystem. If the resulting archive log data set is used for recovery, it is possible that some units of recovery might be found to be in-flight, in-backout, in-commit, or in-doubt during MQSeries initialization.

If expiration of the quiesce period before all units of recovery reach a consistent point is a problem, you might have to adjust the QUIESCE parameter of CSQ6ARVP. See the *MQSeries for OS/390 System Management Guide* for more information.

CSQJ318I ARCHIVE LOG COMMAND ALREADY IN PROGRESS

Explanation: An attempt was made to issue an ARCHIVE LOG command when another ARCHIVE LOG command was already in progress.

Module: CSQJC005

System Action: Command processing will terminate. The ARCHIVE LOG command currently in progress will continue.

CSQJ319I csect-name CURRENT ACTIVE LOG DATA SET IS THE LAST AVAILABLE ACTIVE LOG DATA SET. ARCHIVE LOG PROCESSING WILL BE TERMINATED.

Explanation: The ARCHIVE LOG command was rejected because the current active log is the last available active log data set. To process the command when these conditions exist would cause the MQSeries subsystem to exhaust its available active log resources and immediately stop processing.

Module: CSQJC005, CSQJC007

System Action: Processing for the command is terminated.

If the situation is not corrected, the MQSeries subsystem will issue the CSQJ110E message (if it has not already done so) when the available active log data space reaches critically low levels. Ultimately, message CSQJ111A will be issued when the available active log data space is exhausted, and the MQSeries online processing will stop until active log space is made available.

Operator Response: To clear this condition, steps must be taken to complete other waiting offload tasks. Once another active log is made available (re-usable) by completing the offload process for it, the command processing for the current active log can proceed.

Perform a display request to determine the outstanding requests related to the log offload process. Take the necessary action to satisfy any requests, and permit offload to continue. If offload does not complete normally, or cannot be initiated, notify the systems programmer.

System Programmer Response: Either correct the problem that is causing the offload problem, or add more active log data sets. Note that the latter action requires MQSeries to be down and the change log inventory utility to be run.

Possible causes for the shortage of active log data space are:

- Excessive logging. For example, there is a lot of persistent message activity.
- Delayed or slow offloading. For example, failure to mount archive volumes, incorrect replies to offload messages, or slow device speeds.
- Excessive use of the ARCHIVE LOG command. Each invocation of the command causes the MQSeries subsystem to switch to a new active log data set. Excessive use could consume the available active log data space if the resulting offloads were not processed in a timely manner.
- Offloads unsuccessful (see Operator Response).
- Insufficient active log space (see Operator Response).

CSQJ320E *csect-name* **UNABLE TO PROCESS LOG TRUNCATION REQUEST DUE TO SUBSYSTEM COMPONENT** *action* **FAILURE**

Explanation: While processing an ARCHIVE LOG command, an internal request was made of the log buffer output routine to force-write the log buffers and to truncate and switch the active log to the next available active log data sets. The request was unsuccessful during the processing of the *action* specified in the message.

Module: CSQJC005, CSQJC007

System Action: Processing for the command is terminated.

Operator Response: Notify the system programmer.

System Programmer Response: This is an internal error detected by the MQSeries subsystem. The error might be caused by an unrelated ABEND in the log buffer writer component (CSQJWxxx), by a STOP QMGR MODE(FORCE) command, or by abnormal subsystem termination. See any messages and ABENDS that precede this message.

CSQJ321E *csect-name* **UNABLE TO CONTINUE ARCHIVE LOG QUIESCE DUE TO INTERNAL SUBSYSTEM ERROR. ARCHIVE LOG PROCESSING WILL BE TERMINATED, AND UPDATE ACTIVITY WILL BE RESUMED.**

Explanation: An ARCHIVE LOG command with the MODE(QUIESCE) option was processed by the queue manager. As part of the MODE(QUIESCE) processing, an attempt was made to stop all new update activity against MQSeries resources. During the internal subsystem interaction between the log manager and the recovery manager, an internal interface error was detected by the recovery manager.

Module: CSQJC007

System Action: The ARCHIVE LOG MODE(QUIESCE) processing is terminated. This message will be followed by message CSQJ312I after all users and jobs quiesced by the MODE(QUIESCE) processing are resumed.

Operator Response: Notify the system programmer.

System Programmer Response: This error is an internal error detected by the queue manager. Retry the ARCHIVE LOG MODE(QUIESCE) command. If the error persists, the active log data sets can be switched using the ARCHIVE LOG command without the MODE(QUIESCE) option.

CSQJ401E *csect-name* **RECORD NOT FOUND — rrr**

Explanation: An attempt was made to read the *rrrr* record from the BSDS. In doing so, the read routine (CSQJU01B) could not find the record.

This is not necessarily an error; for example, if you have never used CSQJU003 CRESTART, there won't be any CRCR records, so you will get this message from CSQJU004 for the RESTART CONTROL records.

Module: CSQRJFCK, CSQRJPCR, CSQJU104, CSQJU603

System Action: Utility processing continues.

CSQJ404E *keyword* **NOT ALLOWED FOR** *operation* **OPERATION**

Explanation: An invalid keyword was used during the *operation* operation.

Module: CSQJU503

System Action: The current utility processing is terminated.

CSQJ405E *keyword1* **KEYWORD MUTUALLY EXCLUSIVE WITH** *keyword2* **KEYWORD**

Explanation: *keyword1* and *keyword2* cannot appear on the same control statement.

Module: CSQJU503

System Action: The current utility processing is terminated.

Operator Response: Correct the control statement and rerun the utility.

CSQJ406E *keyword1* **EITHER** *keyword2* **KEYWORD MUST BE SPECIFIED**

Explanation: A required keyword was not used on the control statement. Use either *keyword1* or *keyword2* with the attempted control statement type.

Module: CSQJU503

System Action: The current utility processing is terminated.

Operator Response: Correct the control statement and rerun the utility.

CSQJ407E *csect-name* **NO VALID CHECKPOINT RBA FOUND**

Explanation: After completing its search through the resource manager status table and the checkpoint queue, no valid checkpoint RBA was found within the specified range.

System Action: The current utility processing is terminated.

Operator Response: The last 100 checkpoints are recorded in the BSDS, including the log STARTRBA and log ENDRBA of the checkpoint range. When either STARTRBA or ENDRBA are specified, the utility attempts to locate a valid checkpoint in the range. In this case the utility was unsuccessful in finding a valid checkpoint.

Set STARTRBA = ENDRBA and cold start MQSeries.

CSQJ408I *csect-name* **CHECKPOINT RBA FOUND, RBA=*rba*, TIME=*date time***

Explanation: After completing its search through the resource manager status table and the checkpoint queue, *rba* was the most recent checkpoint RBA in the specified range, and *date time* was the time of the checkpoint.

System Action: Utility processing continues.

CSQJ409E *csect-name* **I/O ERROR DURING READ PROCESSING OF RECORD — *yyy***

Explanation: An input/output error occurred during a READ of a record. *yyy* specifies the record in question.

Module: CSQRJRCR, CSQRJFCK, CSQRJPCR, CSQJU603, CSQJU104

System Action: The current utility processing is terminated. This message is accompanied by message CSQJ212E.

Operator Response: Determine the cause of the error based on the error status information provided in message CSQJ212E.

CSQJ410E *csect-name* I/O ERROR DURING WRITE PROCESSING OF RECORD — *yyy*

Explanation: An input/output error occurred during a WRITE of a record. *yyy* specifies the record in question.

Module: CSQRJRRCR, CSQRJFCK, CSQRJPCR, CSQJU603, CSQJU104

System Action: The current utility processing is terminated. This message is accompanied by message CSQJ213E.

Operator Response: Determine the cause of the error based upon the error status information provided in message CSQJ213E.

CSQJ411I *csect-name* CRESTART CREATE FOR CRCRID=*yyyyy*, DDNAME=*ddname*

Explanation: A CRESTART CREATE request has just completed. *yyyyy* is the restart control record hexadecimal identifier and *ddname* is the BSDS data set (SYSUT1 or SYSUT2) associated with the request.

System Action: Current utility processing continues.

Operator Response: Note the record identifier for future reference.

CSQJ412E *csect-name* RESTART CONTROL RECORD NOT FOUND IN BSDS

Explanation: A CRESTART CANCEL keyword was specified but the conditional restart control record does not exist in the BSDS data set.

System Action: Current utility processing is terminated.

Operator Response: CREATE the conditional restart control record before attempting the CANCEL function.

CSQJ413E *csect-name* INVALID LOG RANGE SCOPE OR CHECKPOINT SPECIFIED

Explanation: The values specified through the STARTRBA and ENDRBA keywords are invalid.

System Action: Current utility processing is terminated.

Operator Response: Ensure that the log range values are correct and correspond to the other log range values either specified or defaulted. The STARTRBA must be less than or equal to the ENDRBA.

CSQJ414I *csect-name* COLD START WILL RESULT FROM THIS RESTART CONTROL RECORD. FORWARD AND BACKOUT SET TO NO.

Explanation: STARTRBA and ENDRBA are equal. A cold start will result if this restart control record is used during restart. No forward or backout processing will be performed.

System Action: CRESTART processing continues.

Operator Response: No additional actions are required if a cold start of the system is desired. If a cold start is not desired, reissue the CRESTART and either CANCEL the current restart control record, or CREATE a new restart control record.

CSQJ415E *csect-name* ENDRBA=*rba* IS INVALID, MUST BE A MULTIPLE OF 4K

Explanation: The specified ENDRBA at *rba* is not a multiple of 4K.

System Action: CRESTART processing is terminated.

Operator Response: Correct the ENDRBA value on the CRESTART statement and rerun the utility.

CSQJ416I WARNING — BSDS UTILITY TIME STAMP MISMATCH DETECTED. PROCESSING CONTINUES

Explanation: As a result of a change log inventory update, it was discovered that the SYSUT1 BSDS and SYSUT2 BSDS time stamps are unequal. Their inequality indicates the possibility of a BSDS mismatch.

Module: CSQJU003

System Action: Current utility processing continues.

Operator Response: Run the print log map utility against the SYSUT1 BSDS and SYSUT2 BSDS. Determine if each BSDS is current. If each BSDS is current, this warning can be ignored. If either BSDS is not current, delete the obsolete data set and define a replacement data set, then copy the current BSDS into the replacement data set.

CSQJ417E REQUIRED *xxxxxxx* PARAMETER FOR *yyyyyyyy* OPERATION IS MISSING

Explanation: Required parameter *xxxxxxx* for a log utility operation was missing from the log utility control statement. The attempted operation is *yyyyyyyy*.

Module: CSQJU003

System Action: The log utility *yyyyyyyy* operation does not perform its function. All subsequent log utility control statements are processed. A nonzero return code is issued by the utility.

Operator Response: Add the missing parameter to the control statements associated with the specified operation and rerun the utility.

CSQJ418I NOTREUSABLE ACTIVE LOG DELETED FROM THE BSDS LOG INVENTORY, STARTRBA=*startrba*, ENDRBA=*endrba*

Explanation: The data set name specified on the DSNAME parameter of the change log inventory utility DELETE statement was a NOTREUSABLE active log.

Module: CSQJU203

System Action: The change log inventory utility processing continues. It will terminate with a return code of 4.

Operator Response: No additional actions are required if you want to delete a NOTREUSABLE active log. If not, recreate the deleted log by using the NEWLOG statement with the RBA values specified in the warning message.

CSQJ421I *csect-name* CRESTART CANCEL FOR CRCRID=*yyyyy*, DDNAME=*ddname*

Explanation: A CRESTART CANCEL request has just completed. *yyyyy* is the restart control record hexadecimal identifier and *ddname* is the BSDS data set (SYSUT1 or SYSUT2) associated with the request.

System Action: Current utility processing continues.

Operator Response: Note the record identifier for future reference.

CSQJ425E INVALID VALUE OR FORMAT FOR *yyyyyyyy* PARAMETER (YYYYDDHMSST)

Explanation: The *yyyyyyyy* parameter contains an incorrect value or incorrect format for the date and time.

Module: CSQJU103

System Action: The current utility is terminated.

Operator Response: Correct the control statement and rerun the utility.

CSQJ426E ENDTIME VALUE CANNOT BE LESS THAN STARTIME VALUE

Explanation: The STARTIME and ENDTIME parameters specify a time range. Hence, the ENDTIME value must be equal to or greater than STARTIME value.

Module: CSQJU103

System Action: The current utility is terminated.

Operator Response: Correct the control statement and rerun the utility.

CSQJ427I CHECKPOINT RECORD ADDED TO QUEUE

Explanation: The checkpoint record specified has been added to the checkpoint queue in the BSDS.

System Action: Processing continues.

CSQJ428I CHECKPOINT RECORD DELETED FROM QUEUE, STARTRBA=*startrba*, ENDRBA=*endrba*

Explanation: The checkpoint record specified has been deleted from the checkpoint queue in the BSDS. *startrba* and *endrba* was the RBA range indicated in the deleted checkpoint record.

System Action: Processing continues.

CSQJ429E RBA RANGE CONFLICTS WITH EXISTING CHECKPOINT RECORD RBA RANGE

Explanation: The specified RBA range for the new checkpoint record either exists, or overlaps an existing RBA range in the checkpoint queue in the BSDS.

System Action: The current utility is terminated.

Operator Response: Run the print log map utility against the SYSUT1 BSDS and SYSUT2 BSDS. Determine the correct RBA range, correct the STARTRBA and ENDRBA parameters, and rerun the utility.

CSQJ430E SPECIFIED ENTRY CANNOT BE ADDED WITHOUT OVERLAYING EXISTING LOWEST ENTRY

Explanation: The specified RBA range for the new checkpoint record is less than the lowest existing entry. The checkpoint queue in the BSDS is currently full and cannot add the new entry without overlaying the lowest entry.

System Action: The current utility is terminated.

Operator Response: Run the print log map utility against the

SYSUT1 BSDS and SYSUT2 BSDS. Determine the lowest existing entry, either change the STARTRBA and ENDRBA parameters or delete the lowest existing entry and add a new low checkpoint entry, and rerun the utility.

CSQJ431E STARTRBA SPECIFIED CANNOT BE FOUND IN CHECKPOINT QUEUE

Explanation: The specified STARTRBA could not be located in the checkpoint queue in the BSDS.

System Action: The current utility is terminated.

Operator Response: Run the print log map utility against the SYSUT1 BSDS and SYSUT2 BSDS. Determine the correct STARTRBA value, correct the STARTRBA parameter, and rerun the utility.

CSQJ432E OFFLRBA VALUE MUST END WITH 'FFF'

Explanation: The OFFLRBA value is not valid. It must end with 'FFF'

System Action: The current utility is terminated.

Operator Response: Correct the control statement and rerun the utility.

CSQJ440I *csect-name* IBM MQSeries for OS/390 — *version*

Explanation: This message is issued as part of the header to reports issued by the utility programs.

Module: CSQJU003, CSQJU004

CSQJ443I *csect-name* CHANGE LOG INVENTORY UTILITY — *date time*

Explanation: This message is issued as a header to the report issued by the utility program.

Module: CSQJU003

CSQJ444I *csect-name* PRINT LOG MAP UTILITY — *date time*

Explanation: This message is issued as a header to the report issued by the utility program.

Module: CSQJU004

Distributed queuing (using CICS ISC) messages (CSQK...)

CSQK419D *cics-applid csect-name* Unable to receive map *map-id*.
Mapset CSQKMS.
EIBFN=*eibfn* EIBRESP=*eibresp* EIBRESP2=*eibresp2*

Explanation: The program was unable to receive information from map *map-id* on the screen.

Module: CSQKBASE

Severity: 8

System Action: The task is terminated.

System Programmer Response: The EIB fields contain information about the cause of the problem. See the *CICS Application Programming Reference* manual for an explanation of these values.

CSQK420D *cics-applid csect-name* Unable to send map *map-id*.
Mapset CSQKMS.
EIBFN=*eibfn* EIBRESP=*eibresp* EIBRESP2=*eibresp2*

Explanation: The program was unable to send map *map-id* from the mapset CSQKMS to the screen.

Module: CSQKACTN, CSQKBASE, CSQKPANE, CSQKPOP, CSQKPULL

Severity: 8

System Action: The task is terminated.

System Programmer Response: The EIB fields contain information about the cause of the problem. See the *CICS Application Programming Reference* manual for an explanation of these values.

CSQK421A *cics-applid csect-name* Select a valid action

Explanation: The cursor was not in a correct position when the ENTER key was pressed.

Module: CSQKBASE

Severity: 8

System Action: The input is ignored.

System Programmer Response: Use the tab key to move the cursor to a valid position.

CSQK422D *cics-applid csect-name* Unable to return Transid *trans-id*.
EIBFN=*eibfn* EIBRESP=*eibresp* EIBRESP2=*eibresp2*

Explanation: An attempt was made to issue an EXEC CICS RETURN TRANSID *trans-id* command, but it was unsuccessful.

Module: CSQKACTN, CSQKBASE, CSQKPANE, CSQKPOP, CSQKPULL

Severity: 8

System Action: The transaction terminates.

System Programmer Response: The EIB fields contain information about the cause of the problem. See the *CICS Application Programming Reference* manual for an explanation of these values.

CSQK423D *cics-applid csect-name* Unable to XCTL to program *pgm-name*.
EIBFN=*eibfn* EIBRESP=*eibresp* EIBRESP2=*eibresp2*

Explanation: An attempt to XCTL to program *pgm-name* was unsuccessful.

Module: CSQKACTN, CSQKBASE, CSQKPANE, CSQKPOP, CSQKPULL

Severity: 8

System Action: The transaction terminates.

System Programmer Response: The EIB fields contain information about the cause of the problem. See the *CICS Application Programming Reference* manual for an explanation of these values.

CSQK424D *cics-applid csect-name* Invalid key entered

Explanation: The function key pressed was not valid for this panel.

Module: CSQKBASE, CSQKPOP, CSQKPULL

Severity: 8

System Action: The key is ignored.

System Programmer Response: Use one of the function keys shown at the bottom of the panel.

CSQK430D *cics-applid csect-name* Unknown map name *map-name*.
EIBFN=*eibfn* EIBRESP=*eibresp* EIBRESP2=*eibresp2*

Explanation: CICS was unable to use the map specified. (For example, because the map was not defined during the installation procedure.) *map-name* is the name of the map in question.

Module: CSQKBASE, CSQKPOP, CSQKPULL

Severity: 8

System Action: The transaction terminates.

System Programmer Response: The EIB fields contain information about the cause of the problem. See the *CICS Application Programming Reference* manual for an explanation of these values.

CSQK431A *cics-applid csect-name* Invalid selection. Re-enter

Explanation: The option number selected was out of range.

Module: CSQKPOP, CSQKPULL

Severity: 8

System Action: The request is ignored.

System Programmer Response: Specify a selection number in the range displayed.

CSQK433A *cics-applid csect-name* Unable to write to file *file-name*.
EIBFN=*eibfn* EIBRESP=*eibresp* EIBRESP2=*eibresp2*

Explanation: The program was unable to write to the *channel definition file* (CDF). *file-name* is the name of the CDF.

Module: CSQKACTN, CSQKPANE

Severity: 8

System Action: The program terminates.

System Programmer Response: The EIB fields contain information about the cause of the problem. See the *CICS Application Programming Reference* manual for an explanation of these values.

CSQK434A *cics-applid csect-name* **Unable to read from file**
file-name.
EIBFN=eibfn EIBRESP=eibresp EIBRESP2=eibresp2

Explanation: The program was unable to read the *channel definition file* (CDF). *file-name* is the name of the CDF.

Module: CSQKACTN, CSQKPANE, CSQKPULL

Severity: 8

System Action: The program terminates.

System Programmer Response: The EIB fields contain information about the cause of the problem. See the *CICS Application Programming Reference* manual for an explanation of these values.

CSQK435A *cics-applid csect-name* **Unable to delete record in file**
file-name.
EIBFN=eibfn EIBRESP=eibresp EIBRESP2=eibresp2

Explanation: The program was unable to delete a record in the *channel definition file* (CDF). *file-name* is the name of the CDF.

Module: CSQKACTN, CSQKPANE

Severity: 8

System Action: The program stops and control returns to CICS.

System Programmer Response: The EIB fields contain information about the cause of the problem. See the *CICS Application Programming Reference* manual for an explanation of these values.

CSQK436A *cics-applid csect-name* **Named channel not found**

Explanation: The channel selected can not be found. This could be because you have typed the name incorrectly, or because the channel has been deleted since the panel was displayed.

Module: CSQKACTN, CSQKPANE, CSQKPULL

Severity: 8

System Action: The request is ignored.

CSQK437A *cics-applid csect-name* **Invalid channel type**

Explanation: The channel type is not in the range 1 through 4. These types are:

- 1 Sender
- 2 Server
- 3 Receiver
- 4 Requester

Module: CSQKACTN, CSQKBASE, CSQKPANE, CSQKPOP, CSQKPULL

Severity: 8

System Action: The request is ignored.

System Programmer Response: If you were trying to create a channel, check that you have not entered an invalid channel type. It is possible that the *channel definition file* (CDF) has been corrupted.

CSQK438A *cics-applid csect-name* **Error in input**

Explanation: One or more of the values you have entered on the panel is incorrect. The fields in error are highlighted.

Module: CSQKACTN, CSQKPOP

Severity: 8

System Action: Nothing is written to the *channel definition file* (CDF) until all the fields are correct.

System Programmer Response: Correct the fields that are incorrect. Use the online help facility for more information about the required values.

CSQK439A *cics-applid csect-name* **Channel type is invalid for start command**

Explanation: An attempt to start a channel was unsuccessful because the channel type is one that cannot be started (a receiver channel).

Module: CSQKACTN

Severity: 8

System Action: The request is ignored.

CSQK440A *cics-applid csect-name* **Duplicate channel name**

Explanation: An attempt to create a channel definition was unsuccessful because the channel name selected is a duplicate of an existing channel.

Module: CSQKACTN, CSQKPANE

Severity: 8

System Action: The request is ignored.

System Programmer Response: Select a name that is not already in use.

CSQK441I *cics-applid csect-name* **Channel settings have been saved**

Explanation: The channel settings entered have been saved.

Module: CSQKACTN

Severity: 0

CSQK442I *cics-applid csect-name* **Start channel command accepted**

Explanation: The start channel command has been issued.

Note: This does not necessarily mean that the channel has started yet. Check the console, or the CICS transient data queue (CKMQ), for further messages that will indicate whether the command was successful or not.

Module: CSQKACTN

Severity: 0

CSQK443I *cics-applid csect-name* **Sequence numbering not in effect for this channel**

Explanation: An attempt was made to reset the sequence numbers, but sequence numbering is not used on this channel.

Module: CSQKACTN

Severity: 0

System Action: The request is ignored.

CSQK444I *cics-applid csect-name* **Cannot reset sequence number. Channel is active**

Explanation: An attempt was made to reset the sequence numbers, but it was unsuccessful because the channel was active.

Module: CSQKACTN

Severity: 4

System Action: The request is ignored.

CSQK445E *cics-applid csect-name* **Cannot reset sequence number. Resync is required**

Explanation: An attempt was made to reset the sequence numbers, but it was unsuccessful because the channel was in-doubt.

Module: CSQKACTN

Severity: 8

System Action: The request is ignored.

System Programmer Response: Select the resync option from the same pull-down menu.

CSQK449I *cics-applid csect-name* **Resolve failed because channel is active**

Explanation: The resolve command was unsuccessful because the channel was active.

Module: CSQKACTN, CSQKPULL

Severity: 4

System Action: The command is ignored.

CSQK450I *cics-applid csect-name* **Resolve failed because channel is not indoubt**

Explanation: The resolve command was unsuccessful because the channel was not indoubt.

Module: CSQKACTN, CSQKPULL

Severity: 4

System Action: The command is ignored.

CSQK451I *cics-applid csect-name* **Channel name contains invalid characters**

Explanation: The name entered in the channel name field contains invalid characters.

Module: CSQKPOP

Severity: 4

System Action: The COPY or CREATE command is ignored, and the panel is redisplayed.

Operator Response: See the *MQSeries Intercommunication* manual for a list of valid characters, and reissue the command.

CSQK453A *cics-applid csect-name* **Channel has not been selected**

Explanation: No channel has been selected to perform the chosen action on.

Module: CSQKPULL

Severity: 4

System Action: The command is ignored, and the panel is redisplayed.

System Programmer Response: Select a channel, and reissue the command.

CSQK454A *cics-applid csect-name* **Channel name is required**

Explanation: An attempt has been made to create a channel, but the channel name field has not been completed.

Module: CSQKPOP

Severity: 4

System Action: The panel is redisplayed.

System Programmer Response: Complete the channel name field, and reissue the command.

CSQK455A *cics-applid csect-name* **MQSET error for queue**
q-name. MQCC=mqcc MQRC=mqrc

Explanation: During a termination due to errors, the distributed queuing component attempted to set the transmission queue to GET INHIBITED, but the MQSET call was unsuccessful.

This means that the MCA might be retrIGGERED before the errors have been corrected.

Module: CSQKMSS1

Severity: 8

System Action: The channel ends.

System Programmer Response: Refer to Appendix A, "API completion and reason codes" for information about *mqrc* and *mqcc*. Check the console, or the CICS transient data queue (CKMQ), for other messages indicating the cause of the termination.

CSQK456D *cics-applid csect-name* **Cannot start channel-name.**
EIBFN=eibfn EIBRESP=eibresp EIBRESP2=eibresp2

Explanation: If this message was issued by CSQKACTN, a START CHANNEL command has been issued, but it was unsuccessful because the distributed queuing component was unable to start the local_transaction_ID of the target MCA.

If it was issued by CSQKMSGV, an attempt was made to start the local_transaction_ID of the MCA during a callback sequence.

Module: CSQKACTN, CSQKMSGV

Severity: 8

System Action: If this message was issued by CSQKACTN, the panel transaction terminates.

If this message was issued by CSQKMSGV, the target MCA is not started.

System Programmer Response: The EIB fields contain information about the cause of the problem. See the *CICS Application Programming Reference* manual for an explanation of these values.

CSQK457I *cics-applid csect-name* **Cannot start channel. Local transaction id invalid**

Explanation: A START CHANNEL command has been issued, but it was unsuccessful because the transaction in the Transaction id field of the channel definition for this channel is not defined to CICS.

Module: CSQKACTN

Severity: 8

System Action: The panel is redisplayed.

System Programmer Response: Check the channel definition, and your CICS definitions.

CSQK458I *cics-applid csect-name* **Cannot do action for channel-name. Connection name field is blank**

Explanation: An attempt to perform action *action* on channel *channel-name* was unsuccessful because the connection name field was blank.

Module: CSQKACTN

Severity: 4

System Action: The panel is redisplayed.

System Programmer Response: Complete the connection name field, and reissue the command.

CSQK459I *cics-applid csect-name* **Cannot do action for channel-name. LU 6.2 TP name field is blank**

Explanation: An attempt to perform action *action* on channel *channel-name* was unsuccessful because the LU 6.2 TP (Transaction Program) name field was blank.

Module: CSQKACTN

Severity: 4

System Action: The panel is redisplayed.

System Programmer Response: Complete the LU 6.2 TP name field, and reissue the command.

CSQK460A *cics-applid csect-name* **MQOPEN error for queue q-name. MQCC=mqcc MQRC=mqrc**

Explanation: An attempt to open queue *q-name* was unsuccessful.

Module: CSQKACTN, CSQKSTUS

Severity: 8

System Action: The panel is redisplayed.

If the DISPLAY STATUS command has been entered, and the panel transaction was unable to determine the sequence number, the words 'not available' appear in the sequence number field, and this message is sent to the log to indicate the cause of the problem.

System Programmer Response: Refer to Appendix A, "API completion and reason codes" for information about *mqrc* and *mqcc*.

CSQK461A *cics-applid csect-name* **MQGET error for queue q-name. MQCC=mqcc MQRC=mqrc**

Explanation: An attempt has been made to reset sequence numbers, or display channel status, but the panel transaction was unable to get the sequence number from queue *q-name*.

Module: CSQKACTN, CSQKSTUS

Severity: 8

System Action: The panel is redisplayed.

If the DISPLAY STATUS command has been entered, and the panel transaction was unable to determine the sequence number, the words 'not available' appear in the sequence number field, and this message is sent to the log to indicate the cause of the problem.

System Programmer Response: Refer to Appendix A, "API completion and reason codes" for information about *mqrc* and *mqcc*.

CSQK462A *cics-applid csect-name* **MQPUT error for queue q-name. MQCC=mqcc MQRC=mqrc**

Explanation: An attempt has been made to reset sequence numbers, but the panel transaction was unable to put the new sequence number on to queue *q-name*.

Module: CSQKACTN

Severity: 8

System Action: Sequence numbers are not set, the panel is redisplayed.

System Programmer Response: Refer to Appendix A, "API completion and reason codes" for information about *mqrc* and *mqcc*.

CSQK463A *cics-applid csect-name* **Channel must be of type SENDER or SERVER for resync command.**

Explanation: An attempt to resynchronize a channel was unsuccessful because the channel type is not sender or server.

Module: CSQKACTN

Severity: 8

System Action: The request is ignored.

CSQK465I *cics-applid csect-name* **New settings not saved. Record updated since display**

Explanation: MQSeries is unable to save your changes because another user has changed the channel definition since you displayed the Alter panel.

Module: CSQKACTN

Severity: 4

System Action: The panel redisplayed with the new channel details set by the other user.

User Response: If required, enter your changes again.

CSQK466A *cics-applid csect-name* **Unrecognized record format. File=file, Key=key**

Explanation: The record format of the VSAM file where channel definitions are held was not recognized by MQSeries.

Module: CSQKPANE

Severity: 12

System Action: The program ends, and returns to CICS.

System Programmer Response: Redefine the data set named in *file* or, if you believe that just one record is in error, use CECI to delete the record with a key of *key*. (For information about using CECI, see the *CICS-Supplied Transactions* manual.)

CSQK468I *cics-applid csect-name* **Cannot do action for channel-name. Transmission queue name is blank**

Explanation: An attempt to perform action *action* on channel *channel-name* was unsuccessful because the transmission queue name field was blank.

Module: CSQKACTN

Severity: 4

System Action: The panel is redisplayed.

System Programmer Response: Complete the transmission queue name field, and reissue the command.

CSQK469I *cics-applid csect-name* **Bottom of list reached**

Explanation: This message is displayed because an attempt was made to scroll down past the end of the panel that lists all the defined channels.

Module: CSQKBASE

Severity: 0

System Action: The panel is redisplayed.

CSQK470I *cics-applid csect-name* **Top of list reached**

Explanation: This message is displayed because an attempt was made to scroll up past the top of the panel that lists all the defined channels.

Module: CSQKBASE

Severity: 0

System Action: The panel is redisplayed.

CSQK471A *cics-applid csect-name* **Channel must be of type SENDER or SERVER for ping command**

Explanation: To use the PING command, the selected channel must be of type sender or server.

Module: CSQKPULL

Severity: 4

System Action: The panel is redisplayed.

System Programmer Response: Select a valid channel.

CSQK472I *cics-applid csect-name command* **channel command unsuccessful**

Explanation: The *command* command was unsuccessful. An unrecognized error has occurred.

Module: CSQKACTN

Severity: 8

System Action: The panel is redisplayed.

System Programmer Response: Check the console of the CICS system where the command was actioned, or the CICS transient data queue (CKMQ), for further messages explaining the cause of the problem. If you are unable to resolve the problem, contact your IBM support center.

CSQK473I *cics-applid csect-name command* **channel command successful**

Explanation: Command *command* was successful.

Module: CSQKACTN

Severity: 0

System Action: The panel is redisplayed.

CSQK475E *cics-applid csect-name command* **failed. Unable to read the definition for channel *channel-name*, EIBRESP=*eibresp*, EIBRESP2=*eibresp2***

Explanation: A *command* command was unsuccessful because the channel definition file could not be read. The problem has probably occurred on a remote system.

Module: CSQKACTN

Severity: 4

System Action: The panel is redisplayed.

System Programmer Response: Investigate the status of the channel definition file on the system named in the Target system ID field of the channel definition. Check the console for this system, or the CICS transient data queue (CKMQ), for further messages indicating the cause of the problem.

CSQK476E *cics-applid csect-name command* **failed. Channel type is incorrect on target system**

Explanation: The *command* command is only valid for certain channel types. On the system named in the Target system ID field, the channel is of the wrong type. This is because the channel definitions on the local and remote systems are different.

Module: CSQKACTN

Severity: 4

System Action: The panel is redisplayed.

System Programmer Response: Examine the channel definitions on the local and remote systems to determine why they are different.

CSQK477E *cics-applid csect-name command* **failed. Invalid batch size of *size***

Explanation: The specified batch size is outside the range 1 through 9999.

Module: CSQKACTN

Severity: 4

System Action: The panel is redisplayed.

System Programmer Response: Enter a value for the batch size in the range 1 through 9999.

CSQK478E *cics-applid csect-name command* **failed. Cannot obtain CCSID from QMGR**

Explanation: An MQINQ call to the queue manager to find the CCSID (coded character set identifier) was unsuccessful.

Module: CSQKACTN

Severity: 4

System Action: The panel is redisplayed.

System Programmer Response: The return and reason codes from the MQINQ call are displayed on the console. Refer to Appendix A, "API completion and reason codes" for information about these values.

CSQK479I *cics-applid csect-name command* **failed. Channel *channel-name* is currently being used**

Explanation: The *command* command was entered, but channel *channel-name* is active. *command* requires a channel to be inactive in order to be actioned.

Module: CSQKACTN

Severity: 0

System Action: The panel is redisplayed.

System Programmer Response: Use the DISPLAY STATUS command to determine when the channel is inactive, and reissue the command.

CSQK480E *cics-applid csect-name command failed. Errors occurred in allocating session*

Explanation: MQSeries was unable to allocate a session to the remote system.

Module: CSQKACTN

Severity: 4

System Action: The panel is redisplayed.

System Programmer Response: Check the console of the target system, or the CICS transient data queue (CKMQ), for messages indicating the cause of the problem.

CSQK481E *cics-applid csect-name command failed. Cannot LINK to pgm-name*

Explanation: An EXEC CICS LINK command to program *pgm-name* has failed on the system named in the Target system ID field of this channel definition.

Module: CSQKACTN

Severity: 8

System Action: The panel is redisplayed.

System Programmer Response: Check the console of the target system, or the CICS transient data queue (CKMQ), for messages indicating the cause of the problem.

CSQK482E *cics-applid csect-name command failed. Negotiation failed*

Explanation: The *command* command was unsuccessful, because the initial data negotiation failed.

Module: CSQKACTN

Severity: 8

System Action: The panel is redisplayed. Check the console of the target system, or the CICS transient data queue (CKMQ), for messages indicating the cause of the problem.

CSQK483E *cics-applid csect-name Ping failed. Ping data of length length is too long for the negotiated transmission size*

Explanation: The ping data supplied is too long for the negotiated transmission size.

Module: CSQKACTN

Severity: 4

System Action: The panel is redisplayed.

System Programmer Response: The negotiated transmission size is displayed on the console. Enter ping data of a compatible length. This should be less than or equal to the negotiated transmission size, minus 30 bytes to allow for header information.

CSQK484E *cics-applid csect-name Ping failed. Errors occurred during SEND*

Explanation: An attempt to send ping data to the partner was unsuccessful.

Module: CSQKACTN

Severity: 8

System Action: The panel is redisplayed.

System Programmer Response: Check the console on the target system, or the CICS transient data queue (CKMQ), for messages indicating the cause of the problem.

CSQK485E *cics-applid csect-name Ping failed. Errors occurred during RECEIVE*

Explanation: An attempt to receive ping data from the partner was unsuccessful.

Module: CSQKACTN

Severity: 8

System Action: The panel is redisplayed.

System Programmer Response: Check the console on the target system, or the CICS transient data queue (CKMQ), for messages indicating the cause of the problem.

CSQK486E *cics-applid csect-name command failed. Target system for channel channel-name not available*

Explanation: The *command* command failed because the system named in the Target system ID field is not available.

Module: CSQKACTN, CSQKPULL

Severity: 4

System Action: The panel is redisplayed.

System Programmer Response: Determine why the target CICS system was not available. For example, has the name been entered correctly, has the connection been set up, and is the target system up?

CSQK487I *cics-applid csect-name Immediate stop not allowed for this channel type*

Explanation: A STOP IMMEDIATE command has been entered for a receiver or a requester channel. This command is only permitted for sender or server channels.

Module: CSQKACTN

Severity: 4

System Action: The panel is redisplayed.

System Programmer Response: The channel might point to a remote system. Check that the channel definition is of the correct type there.

CSQK488E *cics-applid csect-name Errors occurred using transmission queue for channel. MQCC=mqcc, MQRC=mqrc.*

Explanation: An MQOPEN or MQSET call for the transmission queue was unsuccessful after a STOP IMMEDIATE command was issued.

Module: CSQKACTN

Severity: 8

System Action: The stop command fails.

System Programmer Response: Refer to Appendix A, "API completion and reason codes" for information about *mqcc* and *mqrc*.

CSQK489E *cics-applid csect-name MQPUT1 to queue q-name failed. MQCC=mqcc, MQRC=mqrc.*

Explanation: An attempt to place a command message on *q-name* was unsuccessful.

Module: CSQKACTN

Severity: 8

System Action: The panel is redisplayed.

System Programmer Response: Refer to Appendix A, "API completion and reason codes" for information about *mqrc* and *mqqc*.

CSQK490I *cics-applid csect-name* **Channel is not active**

Explanation: A STOP command has been entered, but the channel is not active.

Module: CSQKACTN

Severity: 0

System Action: The panel is redisplayed.

CSQK491I *cics-applid csect-name* **Channel must be of type SENDER or SERVER for Resolve command**

Explanation: The RESOLVE command has been selected for a receiver or requester channel. This command is only valid for a sender or server channel.

Module: CSQKPULL

Severity: 0

System Action: The panel is redisplayed.

CSQK492E *cics-applid csect-name command failed.* **Queue manager is not available on target system.**

Explanation: The *command* command was unsuccessful because the queue manager on the target system was not available.

Module: CSQKACTN, CSQKPULL

Severity: 8

System Action: The panel is redisplayed.

System Programmer Response: Investigate why the queue manager on the target system was not available.

CSQK493E *cics-applid csect-name command failed.* **Cannot obtain indoubt status on target system. MQCC=*mqqc*, MQRC=*mqr*.**

Explanation: The *command* command was unsuccessful because the indoubt status of the target system was not available.

Module: CSQKPULL

Severity: 8

System Action: The panel is redisplayed.

System Programmer Response: Refer to Appendix A, "API completion and reason codes" for information about *mqqc* and *mqr* to determine the reason for the problem.

CSQK494E *cics-applid csect-name command failed because queue manager call failed.* **MQCC=*mqqc*, MQRC=*mqr***

Explanation: The *command* command was unsuccessful because the corresponding call to the queue manager failed.

Module: CSQKACTN

Severity: 8

System Action: The panel is redisplayed.

System Programmer Response: Refer to Appendix A, "API completion and reason codes" for information about *mqqc* and *mqr* to determine the reason for the problem.

CSQK500A *cics-applid csect-name tran-name* **Unrecognized type of invocation. FCI=*fci* EIBTRMID=*term-id*.**

Explanation: Transaction *tran-name* was invoked incorrectly, and has been rejected by the transaction program. *fci* is the CICS facility control indicator when the transaction was invoked. (See the *CICS Application Programming Reference* manual for more information about the CICS FCI.) *term-id* is the identifier of the terminal used to invoke the task.

Module: CSQKMSGQ, CSQKMSGR, CSQKMSGGS, CSQKMSGV

Severity: 8

System Action: The transaction ends, and this instance of distributed queuing does not start.

System Programmer Response: Investigate why an attempt was made to start distributed queuing from a terminal. The transaction should only be started via the interfaces provided by the distributed queuing component.

CSQK501E *cics-applid csect-name* **Cannot read definition for channel *channel-name*. EIBRESP=*eibresp* EIBRESP2=*eibresp2*.**

Explanation: An attempt was made to start channel *channel-name*, but MQSeries was unable to read the channel definition from the CICS file.

Module: CSQKIDRC, CSQKMSGQ, CSQKMSGGS, CSQKPING, CSQKRSLV, CSQKSTUS

Severity: 8

System Action: Distributed queuing does not start.

System Programmer Response: Check that the channel definition exists, and that the CICS file has not been disabled. The EIB fields contain information about the cause of the problem. See the *CICS Application Programming Reference* manual for an explanation of these values.

CSQK502I *cics-applid csect-name* **Start in progress for channel *channel-name***

Explanation: A request has been received to start channel *channel-name*. This could be because a request has been sent from a remote sender.

Module: CSQKIDRC, CSQKMSGQ, CSQKMSGGS, CSQKPING

Severity: 0

System Action: The channel is started.

CSQK503I *cics-applid csect-name* **Channel *channel-name* started**

Explanation: Channel *channel-name* has started. This message is issued after successful initial data negotiation and resynchronization for sender and server channels, and after initial data negotiation for receiver and requester channels.

Module: CSQKMSR1, CSQKMSS1

Severity: 0

CSQK504I *cics-applid csect-name* **Channel *channel-name* stopped**

Explanation: Channel *channel-name* has stopped. Preceding messages give the reason for this.

Module: CSQKMSGGS, CSQKMSR1, CSQKMSS1, CSQKPING

Severity: 0

System Action: The channel has stopped.

System Programmer Response: If you did not stop the channel

yourself, refer to any previous messages to determine why the channel stopped.

CSQK505I *cics-applid csect-name* **Transmission queue**
queue-name, Connection connection-name

Explanation: This message accompanies message CSQK503I for a sender or server channel and gives the transmission queue name and the connection name.

Module: CSQKMSS1

Severity: 0

CSQK507A *cics-applid csect-name* **Received invalid initial**
segment type *seg-type*. **Channel** *channel-name* **not**
started.

Explanation: The message channel agent received a data segment that was of a type not valid during initial data negotiation.

Module: CSQKIDRC, CSQKIDSD, CSQKMSGR, CSQKMSGV,
CSQKMSGV

Severity: 8

System Action: The message channel agent is not started.

System Programmer Response: Investigate why the data sent by the partner was not acceptable. If you are unable to resolve the problem, contact your IBM support center.

CSQK508A *cics-applid csect-name* **Unsupported Protocol Level**
level **received from partner.** **Channel** *channel-name*
not started.

Explanation: The message channel agent received a data segment from a partner that conformed to protocol level *level*. The MQSeries distributed queuing component only supports protocol level 1.

Module: CSQKIDSD

Severity: 8

System Action: The message channel agent is not started.

System Programmer Response: Investigate why the data sent by the partner was not acceptable. If you are unable to resolve the problem, contact your IBM support center.

CSQK510I *cics-applid csect-name* **Batch size** *batch-size*, **Max**
Message size *max-msg-size*, **Max Transmission size**
max-trans-size.

Explanation: This message accompanies message CSQK503I, and gives details of the agreed transmission characteristics:

batch-size

The maximum number of messages sent before requesting confirmation from the other side

max-msg-size

The maximum size of a message

max-trans-size

The maximum size of a message and header information

Module: CSQKMSR1, CSQKMSS1

Severity: 0

CSQK511A *cics-applid csect-name* **Status(ERROR) received**
during initial data flows. **Channel** *channel-name* **will**
stop.

Explanation: This message is issued by the sender program when the receiver program has determined that they are unable to communicate.

Module: CSQKIDSD

Severity: 8

System Action: The sender program stops.

System Programmer Response: Investigate at the receiver side why the receiver program could not work.

CSQK514A *cics-applid csect-name q-name* **cannot be opened.**
MQCC=*mqcc* **MQRC=***mqrc*

Explanation: In order to harden the sequence numbers required by a channel, queue *q-name* must be available, but it is not.

Module: CSQKRSDS

Severity: 8

System Action: If the error was detected by a sender program, the channel does not start. If it was detected by a receiver program, the channel shuts down.

System Programmer Response: Refer to Appendix A, "API completion and reason codes" for information about *mqrc* and *mqcc* to determine why the required queue was not available.

CSQK515I *cics-applid csect-name* **Sequence number invalid on**
resync for channel *channel-name*. **Sender notified.**

Explanation: A receiver channel has received a resynchronization request from a sender channel containing an invalid sequence number. This message is followed by message CSQK551I, indicating the sequence number that was expected, and the sequence number received.

Module: CSQKRSDR

Severity: 8

System Action: The channel might start.

System Programmer Response: If the channel does not start, you might have to resolve the in-doubt units of work manually. See the *MQSeries Intercommunication* manual for information about resolving the MQSeries unit of recovery associated with the in-doubt CICS unit of work.

CSQK516A *cics-applid csect-name* **number indoubt luwids for**
channel *channel-name*

Explanation: The message was sent by a sender channel because it discovered that there was more than one in-doubt unit of work during startup.

Module: CSQKRSDS

Severity: 12

System Action: The channel does not start.

System Programmer Response: See the *MQSeries Intercommunication* manual for information about resolving the MQSeries unit of recovery associated with the in-doubt CICS unit of work.

CSQK5171 *cics-applid csect-name* **Request for callback accepted by transid over channel** *channel-name*

Explanation: The channel agent has attempted to request the receiver to send data over a channel. However, the channel has been defined as a sender channel rather than a server channel. The request is accepted, but will be served by the callback facility.

Module: CSQKIDSD

Severity: 0

System Action: The channel stops, without waiting for the disconnect interval. The receiving end then attempts to re-initiate the operation automatically, but this time as a sender.

CSQK5181 *cics-applid csect-name* **No sequence message found for channel** *channel-name*

Explanation: A request has been made to reset channel sequence numbers, no record can be found for *channel-name* on the SYSTEM.CHANNEL.SEQNO queue.

Module: CSQKACTN

Severity: 4

System Action: The pop-up is redisplayed.

System Programmer Response:

- If the channel is a sender or server channel, check the channel definition.

If the channel is defined with SeqDelivery=0 (No), either:

- The channel has never been used.
- The channel did not use sequence numbers in the last instance. (A channel defined with SeqDelivery=No can still use sequence numbers if the receiving end requests it.)

If the channel is defined with SeqDelivery=1 (Yes), either:

- The channel has never been used.
 - The SYSTEM.CHANNEL.SEQNO queue has been changed (for example, the record has been deleted).
 - The Target system ID field of the channel definition has been changed. (To identify the record on the queue, the program uses the channel name and the applid of the CICS system where the channel would run. Changing the Target system ID will change where the channel runs).
- If the channel is of type receiver or requester, either
 - The channel has never been used.
 - The record has been deleted (for example, the MQSeries utility program has been used to clear the queue, or reformat the page sets).

CSQK520A *cics-applid csect-name* **Error getting sequence message for channel** *channel-name*. **MQCC=mqcc, MQRC=mqrc**

Explanation: A channel that requires sequence numbers could not get the appropriate sequence number message. *mqcc* and *mqrc* are the completion and reason codes from the unsuccessful **MQGET** call.

Module: CSQKIDRC, CSQKMSGQ, CSQKRSDS

Severity: 8

System Action: The channel does not start.

System Programmer Response: Refer to Appendix A, "API completion and reason codes" for information about *mqcc* and *mqrc* to determine why the **MQGET** call was unsuccessful.

CSQK521A *cics-applid csect-name* **Put failed for sequence message for channel** *channel-name*. **MQCC=mqcc, MQRC=mqrc**

Explanation: A channel that requires sequence numbers could not put the appropriate sequence number message on to the queue. *mqcc* and *mqrc* are the completion and reason codes from the unsuccessful **MQPUT** call.

Module: CSQKIDRC, CSQKMSGQ, CSQKRSDS

Severity: 8

System Action: The channel does not start.

System Programmer Response: Refer to Appendix A, "API completion and reason codes" for information about *mqcc* and *mqrc* to determine why the **MQPUT** call was unsuccessful.

CSQK522A *cics-applid csect-name* **RESET received in-batch on channel** *channel-name*

Explanation: A receiver channel that uses sequence numbers received a reset sequence number command while it was processing a batch of messages.

Module: CSQKMSR1

Severity: 8

System Action: The channel does not reset.

System Programmer Response: Determine why the partner made the request. If the partner has committed changes, you might have to commit changes manually. See the *MQSeries Intercommunication* manual for information about doing this.

CSQK523A *cics-applid csect-name* **Invalid segment type** *seg-type* **received on channel** *channel-name*

Explanation: The message channel agent received a data segment that was of a type not valid during normal message flow.

Module: CSQKMSR1

Severity: 8

System Action: The sender channel is notified.

System Programmer Response: Investigate why the data sent by the partner was not acceptable. If you are unable to resolve the problem, contact your IBM support center.

CSQK526A *cics-applid csect-name* **Queue manager stopping. Channel** *channel-name* **will stop.**

Explanation: The queue manager has stopped.

Module: CSQKMSGQ, CSQKMSGR, CSQKMSGG, CSQKMSGV, CSQKMSR1, CSQKMSS1, CSQKPING, CSQKRNSL

Severity: 4

System Action: No further messages are processed. A message is sent to the partner to notify it that the channel is stopping.

CSQK527A *cics-applid csect-name* **Queue manager connection broken. Channel** *channel-name* **will stop.**

Explanation: The connection between the queue manager and the CICS system on which the distributed queuing component is running has been broken.

Module: CSQKMSGQ, CSQKMSGR, CSQKMSGG, CSQKMSGV, CSQKMSR1, CSQKMSS1, CSQKPING, CSQKRNSL

Severity: 4

System Action: No further messages are processed. A message is sent to the partner to notify it that the channel is stopping.

CSQK528A *cics-applid csect-name* **A segmented message has been received on channel** *channel-name*

Explanation: A receiver channel that does not support segmented messages has received one.

Segmented message support is negotiated at startup. By default, MQSeries supports segmented messages. Message CSQK564I is issued after startup if segmented messages are supported; if this is not issued, there is a problem at the sender channel.

Module: CSQKMSR1

Severity: 8

System Action: All the messages in the current batch are rejected, including any messages that are not segmented. A message is sent to inform the sender channel.

System Programmer Response: Investigate why the sender channel sent a segmented message.

CSQK529I *cics-applid csect-name* **REQUEST CLOSE received. Channel** *channel-name* **will stop.**

Explanation: If this message was issued by module CSQKMSS1, the receiver channel has requested that the channel be closed. This could be because of an error, or an operator command at the receiver end.

If this message was issued by module CSQKMSR1, the sender channel has requested that the channel be closed.

This message is sometimes followed by message CSQK539I, which gives more information about the cause of the problem. If this message is not issued, investigate why the partner closed the channel.

Module: CSQKMSR1, CSQKMSS1

Severity: 0

System Action: If this message was issued by a sender channel, a close request is sent to the partner, the channel stops, and the transmission queue is set to notrigger.

If this message is issued by a receiver channel, the channel stops immediately.

CSQK530I *cics-applid csect-name* **Channel** *channel-name* **already started.**

Explanation: A request to start a channel has been received, but the channel has already been started.

Module: CSQKMSGQ, CSQKMSGR, CSQKMSGG, CSQKMSGV, CSQKPING

Severity: 0

CSQK531I *cics-applid csect-name* **Sequence number reset to** *seq-no* **on channel** *channel-name*

Explanation: A receiver channel has received a reset sequence number request, and it has been processed successfully.

Module: CSQKMSR1

Severity: 0

CSQK532A *cics-applid csect-name* **Invalid type** *channel-type* **for channel** *channel-name*.

Explanation: The type defined in the channel definition file is incompatible with the function that the channel is being asked to perform.

The channel types are:

- 1 Sender
- 2 Server
- 3 Receiver
- 4 Requestor

Module: CSQKIDRC, CSQKMSGQ, CSQKMSGG, CSQKPING

Severity: 8

System Action: The channel does not start.

System Programmer Response: Check the channel definition at each end.

CSQK533A *cics-applid csect-name* **Indoubt luwid for channel** *channel-name* **refers to connection** *conn-name*

Explanation: During resync processing, an in-doubt unit of work has been found for this channel, but it refers to a connection other than the current connection.

Module: CSQKRSDS

Severity: 8

System Action: The channel ends.

System Programmer Response: This is probably because the channel descriptor file was changed while there was an in-doubt unit of work outstanding. See the *MQSeries Intercommunication* manual for information about resolving the MQSeries unit of recovery associated with the in-doubt CICS unit of work.

CSQK534A *cics-applid csect-name* **Partner on channel** *channel-name* **rejected resync for message number** *msg-no*

Explanation: This message was issued by the sender channel because there is a mismatch in the last committed sequence numbers on each side.

Module: CSQKRSDS

Severity: 8

System Action: The channel ends.

System Programmer Response: Reset the channel sequence numbers to resolve the problem. See the *MQSeries Intercommunication* manual for information about how to do this. Note that the sequence number under distributed queuing using CICS will be one less than the sequence number under any other platform.

CSQK535I *cics-applid csect-name* **Transmission queue is empty. Channel** *channel-name* **will stop.**

Explanation: The sender channel has recognized that there are no more messages on the transmission queue, and so it will stop.

Module: CSQKMSS1

Severity: 0

System Action: The channel stops.

CSQK536I *cics-applid csect-name* **Transmission queue is GET INHIBITED. Channel *channel-name* will stop.**

Explanation: The sender channel has recognized that the transmission queue is inhibited for GETs. This could be because it was defined that way, or because it has been altered.

Module: CSQKMSS1

Severity: 4

System Action: The channel stops. The transmission queue is set to nottrigger.

System Programmer Response: Determine why the transmission queue is GET inhibited.

CSQK537I *cics-applid csect-name* **Max transmission size *max-x-size* for channel *channel-name* is less than minimum *min-size*.**

Explanation: The distributed queuing component has detected that the maximum transmission size *max-x-size* is less than the allowed minimum *min-size*.

Module: CSQKMSGQ, CSQKMSGG, CSQKPING, CSQKRSNC

Severity: 4

System Action: *min-size* will be used for the maximum transmission size.

CSQK538I *cics-applid csect-name* **Max Message will not fit transmission buffer.**

Explanation: On a channel that does not support segmented messages, the maximum message size will not fit into the transmission buffer.

Module: CSQKMSS1

Severity: 4

System Action: Any messages that are too large for the transmission queue will be sent to the dead-letter queue.

System Programmer Response: Be aware that some messages might not be transmitted.

CSQK539I *cics-applid csect-name* **Return Code *ret-code***

Explanation: This message is issued with message CSQK529I, CSQK562A, or CSQK616A, if the partner has given a return code. Possible values are:

- X'01'** There was no channel definition for the same name on the partner system. Investigate with the partner why the channel is not defined at both ends.
- X'02'** The channel definition on the partner system has a type that is not compatible with the functions that you are asking it to perform. Investigate why the channel is not of the correct type with the partner.
- X'03'** The partner indicated that the remote queue manager was unavailable.
- X'04'** Message out of sequence. Investigate the reason for this error with the partner.
- X'05'** Remote queue manager terminating. Investigate why the remote queue manager is terminating with the partner.
- X'06'** The remote queue manager cannot store a message. Investigate the reason for this error with the partner.

- X'07'** The channel was closed because of an operator request. This is not likely to be a problem.
- X'08'** The channel was closed because there were no more messages on the transmission queue. This is not likely to be a problem.
- X'09'** The channel was closed by an exit program.
- X'0A'** Protocol error - unknown segment type. Investigate the reason for this error with the partner.
- X'0B'** Protocol error - data length error. Investigate the reason for this error with the partner.
- X'0C'** Protocol error - invalid data. Investigate the reason for this error with the partner.
- X'0D'** Protocol error - segmentation error. Investigate the reason for this error with the partner.
- X'0E'** Protocol error - ID eyecatcher failure. Investigate the reason for this error with the partner.
- X'0F'** Protocol error - MSH eyecatcher failure. Investigate the reason for this error with the partner.
- X'10'** Protocol error - general failure. Investigate the reason for this error with the partner.
- X'11'** Batch size error. Investigate the reason for this error with the partner.
- X'12'** Message length error. Investigate the reason for this error with the partner.
- X'13'** Segment number error. Investigate the reason for this error with the partner.
- X'14'** During security flows, the partner has decided to close the channel for security reasons. Investigate the compatibility of security exits with the partner.
- X'15'** Sequence number wrap value error. The initial negotiation has been terminated because the sequence number wrap values do not match. Investigate the reason for this error with the partner.
- X'16'** The channel is currently unavailable.

Module: CSQKIDSD, CSQKMSGG, CSQKMSGV, CSQKMSR1, CSQKMSS1, CSQKPING, CSQKRSNC

Severity: 0

CSQK540A *cics-applid csect-name* **Receive error on *channel-name*. State=*state*, EIBRESP=*eibresp*, EIBERRCD=*eiberrcd*.**

Explanation: A receive command across channel *channel-name* has been unsuccessful, probably because the channel is not available.

Module: CSQKIDRC, CSQKIDSD, CSQKMSGQ, CSQKMSGR, CSQKMSGG, CSQKMSGV, CSQKMSR1, CSQKMSS1, CSQKPING, CSQKRSDS

Severity: 8

System Action: The program terminates and resources are backed out to the last syncpoint.

System Programmer Response: The *state* field contains a CICS defined value for the session state, and the *eibresp* and *eiberrcd* fields contain information about the cause of the problem. See the *CICS Distributed Transaction Programming Guide* for information about *state*, and the *CICS Application Programming Reference* manual for information about the EIB values.

A session failure could have been caused by a problem in the attached system, check for messages issued in that system that could help explain the problem.

CSQK541A *cics-applid csect-name* **Send error on channel-name.**
State=state, EIBRESP=eibresp, EIBERRCD=eiberrcd.

Explanation: A send command across channel *channel-name* has been unsuccessful, probably because the channel is not available.

Module: CSQKIDRC, CSQKIDSD, CSQKMSGQ, CSQKMSGR, CSQKMSGGS, CSQKMSGV, CSQKMSR1, CSQKMSS1, CSQKPING, CSQKRSDS

Severity: 8

System Action: The program terminates and resources are backed out to the last syncpoint.

System Programmer Response: The *state* field contains a CICS defined value for the session state, and the *eibresp* and *eiberrcd* fields contain information about the cause of the problem. See the *CICS Distributed Transaction Programming Guide* for information about *state* and *eiberrcd*, and the *CICS Application Programming Reference* manual for information about *eibresp*.

A session failure could have been caused by a problem in the attached system, check for messages issued in that system that could help explain the problem.

CSQK542I *cics-applid csect-name* **Luwid luwid-idnode.luwid-uow will be left indoubt**

Explanation: A sender channel has sent a confirm request, but no valid reply has been received from the partner.

Module: CSQKMSS1

Severity: 4

System Action: The sender channel ends with abend code QIND, leaving an unresolved unit of work to be resolved at the next startup.

System Programmer Response: Restart the channel, allowing resynchronization to be attempted.

CSQK543I *cics-applid csect-name* **Luwid invalid on resync for channel channel-name. Sender notified.**

Explanation: During resynchronization, a receiver channel that is not using sequence numbers has been sent a luwid that it does not recognize. This message is followed by message CSQK544I which gives the luwid in question.

Module: CSQKRSDR

Severity: 4

System Action: The sender channel might stop, or fail to start.

System Programmer Response: If the sender channel fails to start, or stops immediately, you must resolve the in-doubt units of work manually. See the *MQSeries Intercommunication* manual for information about resolving the MQSeries unit of recovery associated with the in-doubt CICS unit of work.

CSQK544I *cics-applid csect-name* **Expected luwid exp-luwid Received luwid rec-luwid**

Explanation: This message accompanies message CSQK543I and gives the luidwids in question, as follows:

exp-luwid The last luwid committed
rec-luwid The luwid received

Module: CSQKRSDR

Severity: 0

CSQK545A *cics-applid csect-name* **Batch size size for channel channel-name is outside range**

Explanation: The value given for batch size (*size*) is not in the allowable range (1 through 9999).

Module: CSQKIDRC, CSQKMSGQ, CSQKMSGGS, CSQKPING

Severity: 8

System Action: The channel is not started.

System Programmer Response: Check the channel definition, and specify a valid batch size.

CSQK546I *cics-applid csect-name* **Remote Queue manager unavailable. Channel channel-name will stop.**

Explanation: Channel *channel-name* has been notified that the remote queue manager is unavailable.

Module: CSQKIDSD, CSQKMSS1

Severity: 0

System Action: The channel stops. The transmission queue is set to nottrigger.

CSQK547I *cics-applid csect-name* **Remote Queue manager stopping. Channel channel-name will stop.**

Explanation: Channel *channel-name* has been notified that the remote queue manager is stopping.

Module: CSQKIDSD, CSQKMSS1

Severity: 0

System Action: The channel stops. The transmission queue is set to nottrigger.

CSQK548A *cics-applid csect-name* **Synchronization with partner lost. Channel channel-name will stop.**

Explanation: The partner has rejected a batch of messages because of a sequence number error, but the restart sequence numbers do not match.

Module: CSQKMSS1

Severity: 8

System Action: All resources are backed out, and the channel stops. The transmission queue is set to nottrigger.

System Programmer Response: Reset the channel manually. See the *MQSeries Intercommunication* manual for information about how to do this.

CSQK549A *cics-applid csect-name* **Prepare failure. MQCC=mqcc MQRc=mqrc. Channel channel-name will stop**

Explanation: The sender channel was not able to commit a unit of work.

Module: CSQKMSS1

Severity: 8

System Action: The unit of work is backed out, and the partner is notified. The channel stops.

System Programmer Response: Refer to Appendix A, "API completion and reason codes" for information about *mqcc* and *mqr* to determine the reason for the problem.

CSQK550A *cics-applid csect-name* **Sequence error on channel**
channel-name

Explanation: A receiver channel that is using sequence numbers has received a sequence number that it was not expecting. This message is followed by message CSQK551I, giving the numbers in question.

Module: CSQKMSR1

Severity: 8

System Action: The present batch of messages is backed out, and the sender is informed.

System Programmer Response: This indicates a logic error on one side. If the problem persists, investigate it with the partner. If you are unable to resolve the problem, contact your IBM support center.

CSQK551I *cics-applid csect-name* **Expected sequence number**
exp-seq-no **Received sequence number** *rec-seq-no*

Explanation: This message accompanies messages CSQK551I, CSQK548A, and CSQK550A, giving the sequence numbers in question.

Module: CSQKMSR1, CSQKMSS1, CSQKRSDR

Severity: 0

CSQK552A *cics-applid csect-name* **TSH in error. Invalid**
EyeCatcher *eyecatcher*

Explanation: The EyeCatcher field of the segment header on a transmission received by a receiver channel was incorrect. This is a protocol error.

Module: CSQKIDRC, CSQKMSR1, CSQKMSS1, CSQKPING, CSQKRSDS

Severity: 8

System Action: Any in-flight message batches are backed out, and the sender is informed.

System Programmer Response: If this problem keeps occurring, investigate why the partner is not conforming to the protocol.

CSQK553A *cics-applid csect-name* **Sequence wrap value expected**
expected, sequence wrap value received *received*

Explanation: A receiver channel has received a sequence wrap value that does not match the expected value.

Module: CSQKIDRC, CSQKIDSD

Severity: 8

System Action: The channel ends.

System Programmer Response: Use the sequence wrap values given to coordinate with your partner.

CSQK554A *cics-applid csect-name* **INITDATA in error. Invalid**
EyeCatcher *eyecatcher*

Explanation: The EyeCatcher field of the InitData segment on a transmission received by a receiver channel was incorrect. This is a protocol error.

Module: CSQKIDRC

Severity: 8

System Action: Any in-flight message batches are backed out, and the sender is informed.

System Programmer Response: If this problem keeps occurring, investigate why the partner is not conforming to the protocol.

CSQK556D *cics-applid csect-name* **XCTL to pgm-name failed,**
EIBRESP=eibresp, EIBRESP2=eibresp2. Channel
channel-name **will stop.**

Explanation: An attempt issue an EXEC CICS XCTL to *pgm-name* was unsuccessful. This is probably because the program has not been defined correctly.

Module: CSQKMSGQ, CSQKMSGR, CSQKMSGGS, CSQKMSGV

Severity: 8

System Action: The transaction terminates.

System Programmer Response: The EIB fields contain information about the cause of the problem. See the *CICS Application Programming Reference* manual for an explanation of these values.

CSQK557A *cics-applid csect-name* **Sequence wrap value**
mismatch. Channel *channel-name* **will stop**

Explanation: A receiver channel has received a sequence wrap value that does not match the expected value.

Module: CSQKIDRC, CSQKIDSD

Severity: 8

System Action: The channel ends.

System Programmer Response: Coordinate the sequence wrap number with your partner. Message CSQK553A gives the wrap values expected and received.

CSQK558A *cics-applid csect-name* **Wait External failed.**
EIBRESP=eibresp EIBRESP2=eibresp2

Explanation: The channel agent has attempted to issue a CICS WAIT waiting for messages to arrive on the transmission queue.

Module: CSQKMSS1

Severity: 8

System Action: The channel stops, without waiting for the disconnect interval.

System Programmer Response: The EIB fields contain information about the cause of the problem. See the *CICS Application Programming Reference* manual for an explanation of these values.

CSQK559A *cics-applid csect-name* **Partner cannot store message.**
Channel *channel-name* **will stop.**

Explanation: In response to a confirm request, the partner indicated that it was unable to store one or more messages in the previous batch.

Module: CSQKMSS1

Severity: 8

System Action: The channel stops, and the transmission queue is set to nottrigger.

System Programmer Response: Investigate what caused the problem on the partner system.

CSQK560I *cics-applid csect-name* **Callback is being initiated over channel *channel-name***

Explanation: The channel agent is attempting to send data to the receiver using the sender channel. The same channel, however, is known to be a requester channel at the receiving end. See message CSQK517I for the reason of this operation.

Module: CSQKIDRC

Severity: 0

CSQK561A *cics-applid csect-name tran-name* **Unrecognized type of invocation. FCI=*fci***

Explanation: Transaction *tran-name* was invoked incorrectly, and has been rejected by the transaction program. *fci* is the CICS facility control indicator when the transaction was invoked. (See the *CICS Application Programming Reference* manual for more information about the CICS FCI.)

Module: CSQKMSGQ, CSQKMSGR, CSQKMSG5, CSQKMSGV

Severity: 8

System Action: The transaction ends, and this instance of distributed queuing does not start.

System Programmer Response: Use the facility control indicator to investigate how the transaction was started. The transaction should only be started via the interfaces provided by the distributed queuing component.

CSQK562A *cics-applid csect-name* **Error received on confirm request. Channel *channel-name* will stop.**

Explanation: In response to a confirm request, the partner indicated that it had discovered an error. This message is accompanied by message CSQK539I indicating the return code received from the partner.

Module: CSQKMSS1

Severity: 8

System Action: The channel stops, and the transmission queue is set to notrigger.

System Programmer Response: Investigate what caused the problem on the partner system.

CSQK563A *cics-applid csect-name* **Connect process failed for *pgm-name*. State=*state*, EIBRESP=*eibresp*, EIBRESP2=*eibresp2*.**

Explanation: The connection process was unsuccessful. *pgm-name* is the TP (transaction program) name.

Module: CSQKMSGQ, CSQKMSG5, CSQKPING, CSQKRSNC

Severity: 8

System Action: The channel does not start.

System Programmer Response: The *state* field contains a CICS defined value for the session state, and the *eibresp* and *eibresp2* fields contain information about the cause of the problem. See the *CICS Distributed Transaction Programming Guide* for information about *state*, and the *CICS Application Programming Reference* manual for information about the EIB values.

CSQK564I *cics-applid csect-name* **Segmented messages are supported**

Explanation: This instance supports the segmentation of messages.

Module: CSQKIDRC, CSQKMSS1

Severity: 0

CSQK565A *cics-applid csect-name* **Invalid length value in segment. Channel *channel-name* will stop.**

Explanation: The length value of the transmission segment header is not equal to the length of data received.

Module: CSQKMSR1, CSQKMSS1, CSQKPING, CSQKRSDS

Severity: 8

System Action: The channel stops.

System Programmer Response: This is a protocol error, investigate it with the partner system.

CSQK566A *cics-applid csect-name* **PING rejected by partner over channel *channel-name*.**

Explanation: The response to a ping contained an error indicator.

Module: CSQKPING

Severity: 8

System Action: The ping is unsuccessful.

System Programmer Response: Investigate why the partner system detected an error.

CSQK567I *cics-applid csect-name* **PING completed successfully over channel *channel-name*.**

Explanation: The ping is successful.

Module: CSQKPING

Severity: 0

CSQK568A *cics-applid csect-name* **Invalid Segment number received. Channel *channel-name* will stop.**

Explanation: An invalid segment number was received from the partner.

Module: CSQKMSR1

Severity: 8

System Action: The channel stops.

System Programmer Response: This is a protocol error, investigate it with the partner system.

CSQK570I *cics-applid csect-name* **Message put to local dead-letter queue on channel *channel-name*.**

Explanation: The message channel agent has put a message to the local dead-letter queue. This message is accompanied by messages CSQK571I, CSQK572I and CSQK573I, giving more information about the problem.

Module: CSQKMSR1, CSQKMSS1

Severity: 4

System Action: The channel continues.

System Programmer Response: Look at the accompanying messages to determine the cause of the problem.

CSQK571I *cics-applid csect-name* **Reason code**=*reason-code*,
Qname=*q-name*.

Explanation: This message follows message CSQK570I. *reason-code* is one of the following:

- An MQRC_* reason code from an MQPUT1 call (refer to Appendix A, "API completion and reason codes")
- An MQFB_* feedback code (see the *MQSeries for OS/390 Application Programming Reference* manual)
- A reason code generated by a message exit defined for this channel

q-name is the name of the remote queue that was the intended destination for the message.

Module: CSQKMSR1, CSQKMSS1

Severity: 0

CSQK572I *cics-applid csect-name* **Msgid**=*msg-id*

Explanation: This message follows message CSQK570I. *msg-id* is the message identifier of the message in question.

Module: CSQKMSR1, CSQKMSS1

Severity: 0

CSQK573I *cics-applid csect-name* **Correld**=*correl-id*

Explanation: This message follows message CSQK570I. *correl-id* is the correlation identifier of the message in question.

Module: CSQKMSR1, CSQKMSS1

Severity: 0

CSQK574I *cics-applid csect-name* **Partner on channel**
channel-name **has put message(s) to dead-letter**
queue.

Explanation: In response to a confirm request, the partner has indicated that one or more messages from the last batch have been placed on the dead-letter queue in the remote system.

Module: CSQKMSS1

Severity: 0

CSQK575I *cics-applid csect-name* **Invalid structid** *structid* **on XMITQ**
header. Channel *channel-name* **will stop**

Explanation: A message has been retrieved from the transmission queue, but the structure identifier in the header is *structid*, not XQH.

Module: CSQKMSS1

Severity: 8

System Action: The message channel agent (MCA) issues a syncpoint rollback request to restore all messages in the current batch to the transmission queue, and sends an error indication to the partner. The transmission queue is set to nottrigger.

System Programmer Response: If the message was put on the transmission queue by an application, investigate the application. If it was put on the transmission queue by the queue manager, contact your IBM support center.

Note: The message in question must be removed from the transmission queue before the MCA can start sending messages.

CSQK576I *cics-applid csect-name* **Invalid version** *version* **on**
XMITQ header. Channel *channel-name* **will stop**

Explanation: A message has been retrieved from the transmission queue, but the version number in the header is *version*, not 1.

Module: CSQKMSS1

Severity: 8

System Action: The message channel agent (MCA) issues a syncpoint rollback request to restore all messages in the current batch to the transmission queue, and sends an error indication to the partner. The transmission queue is set to nottrigger.

System Programmer Response: If the message was put on the transmission queue by an application, investigate the application. If it was put on the transmission queue by the queue manager, contact your IBM support center.

Note: The message in question must be removed from the transmission queue before the MCA can start sending messages.

CSQK577E *cics-applid csect-name* **Invalid command** *command*
received for channel *channel-name*.

Explanation: The channel (*channel-name*) has read a command message from the command queue, but *command* is not valid.

Module: CSQKMSR1, CSQKMSS1

Severity: 4

System Action: The command is ignored, and the channel continues.

System Programmer Response: Investigate why an invalid command was placed on the command queue.

CSQK578I *cics-applid csect-name* **Stop requested for channel**
channel-name.

Explanation: A stop command has been retrieved from the command queue.

Module: CSQKMSR1, CSQKMSS1

Severity: 0

System Action: If the channel is a sender or server channel, the existing batch of messages is completed, and then the channel stops.

If the channel is a receiver or requester channel, a request to stop the channel is sent to the partner when the current batch of messages has completed.

CSQK579A *cics-applid csect-name* **Invalid data length of** *length*
returned by exit, Name=*exit-name*, **Id**=*id*,
Reason=*reason*

Explanation: The data length field returned by the *exit-name* exit is zero or negative. This is not allowed. *id* gives the type of exit, and *reason* gives the reason why it was called.

Module: CSQKMSR1, CSQKMSS1, CSQKPING, CSQKRSDS

Severity: 8

System Action: The channel abends with one of the following abend reason codes:

- QMGX** A problem with a message exit
- QRCX** A problem with a receive exit
- QSCX** A problem with a security exit
- QSDX** A problem with a send exit

System Programmer Response: Investigate why the exit returned an invalid value in the data length field. See the *MQSeries Intercommunication* manual for information about user exit programs.

CSQK580A *cics-applid csect-name* Unable to LINK to *pgm-name*.
EIBFN=*eibfn* EIBRESP=*eibresp* EIBRESP2=*eibresp2*

Explanation: An attempt to link to the *pgm-name* exit was unsuccessful.

Module: CSQKMSGQ, CSQKMSGR, CSQKMSGGS, CSQKMSGV, CSQKMMSR1, CSQKMSS1, CSQKPING, CSQKRSDS, CSQKRSNC

Severity: 4

System Action: The channel abends with one of the following abend reason codes:

QMGX A problem with a message exit

QRCX A problem with a receive exit

QSCX A problem with a security exit

QSDX A problem with a send exit

System Programmer Response: The EIB fields contain information about the cause of the problem. See the *CICS Application Programming Reference* manual for an explanation of these values.

CSQK581A *cics-applid csect-name* Invalid response of *response* returned by exit, Name=*exit-name*, Id=*id*, Reason=*reason*

Explanation: The response code returned by the *exit-name* exit was invalid. *id* gives the type of exit, and *reason* gives the reason why it was called.

Module: CSQKMSGQ, CSQKMSGR, CSQKMSGGS, CSQKMSGV, CSQKMMSR1, CSQKMSS1, CSQKPING, CSQKRSDS, CSQKRSNC

Severity: 8

System Action: The channel abends with one of the following abend reason codes:

QMGX A problem with a message exit

QRCX A problem with a receive exit

QSCX A problem with a security exit

QSDX A problem with a send exit

System Programmer Response: Investigate why the exit program returned an invalid response code. See the *MQSeries Intercommunication* manual for information about user exit programs.

CSQK582A *cics-applid csect-name* Invalid response2 of *response2* returned by exit, Name=*exit-name*, Id=*id*, Reason=*reason*

Explanation: The response2 code returned by the *exit-name* exit was invalid. *id* gives the type of exit, and *reason* gives the reason why it was called.

Module: CSQKMMSR1, CSQKMSS1

Severity: 8

System Action: The channel abends with one of the following abend reason codes:

QMGX A problem with a message exit

QRCX A problem with a receive exit

QSCX A problem with a security exit

QSDX A problem with a send exit

System Programmer Response: Investigate why the exit program returned an invalid response2 code. See the *MQSeries Intercommunication* manual for information about user exit programs.

CSQK583A *cics-applid csect-name* Invalid pointer *pointer* to exit buffer address returned by exit

Explanation: An exit program has returned a response2 code of MQXR2_USE_EXIT_BUFFER, but the pointer to the exit buffer address returned in the channel exit parameter list is not valid. This is probably because the application has not set it, so it is zero.

This message is followed by message CSQK590I giving more information about the problem.

Module: CSQKMSGQ, CSQKMSGR, CSQKMSGGS, CSQKMSGV, CSQKMMSR1, CSQKMSS1, CSQKPING, CSQKRSDS, CSQKRSNC

Severity: 8

System Action: The channel abends with one of the following abend reason codes:

QMGX A problem in a message exit

QRCX A problem in a receive exit

QSCX A problem in a security exit

QSDX A problem in a send exit

System Programmer Response: Investigate why the exit program returned an invalid response code. See the *MQSeries Intercommunication* manual for information about user exit programs.

CSQK584A *cics-applid csect-name* Invalid exit buffer address *address* returned by exit

Explanation: An exit program has returned a response2 code of MQXR2_USE_EXIT_BUFFER, but the exit buffer address returned in the channel exit parameter list is not valid. This is probably because the application has not set it, so it is zero.

This message is followed by message CSQK590I giving more information about the problem.

Module: CSQKMSGQ, CSQKMSGR, CSQKMSGGS, CSQKMSGV, CSQKMMSR1, CSQKMSS1, CSQKPING, CSQKRSDS, CSQKRSNC

Severity: 8

System Action: The channel abends with one of the following abend reason codes:

QMGX A problem in a message exit

QRCX A problem in a receive exit

QSCX A problem in a security exit

QSDX A problem in a send exit

System Programmer Response: Investigate why the exit program returned an invalid response code. See the *MQSeries Intercommunication* manual for information about user exit programs.

CSQK590I *cics-applid csect-name* Channel=*channel-name*, Name=*exit-name*, Id=*id*, Reason=*reason*

Explanation: This message follows messages CSQK583A, CSQK584A, CSQK596A, and CSQK597A, and gives the following information:

channel-name The name of the channel

exit-name The name of the exit program

id The type of exit

reason The reason the exit was called

Module: CSQKMSGQ, CSQKMSGR, CSQKMSGGS, CSQKMSGV, CSQKMMSR1, CSQKMSS1, CSQKPING, CSQKRSDS, CSQKRSNC

Severity: 0

CSQK593A *cics-applid csect-name* **First 8 bytes of the transmission buffer has been changed by** *exit-name*.

Explanation: A SEND or RECEIVE exit has modified the first 8 bytes of the transmission buffer. This is not allowed. This message is accompanied by message CSQK599I, indicating what the data is now, and what it was before it was changed.

Module: CSQKMSR1, CSQKMSS1, CSQKPING, CSQKRSDS

Severity: 8

System Action: The channel abends with one of the following abend reason codes:

QRCX A problem with a receive exit

QSDX A problem with a send exit

System Programmer Response: Investigate why the exit program modified the data. See the *MQSeries Intercommunication* manual for information about user exit programs.

CSQK595A *cics-applid csect-name* **Data length of** *length* **returned by** *exit-name* **is larger than the max segment length of** *max-length*.

Explanation: A SEND or RECEIVE exit has passed back a length of data that is larger than the maximum size allowed for transmission (*max-length*).

Module: CSQKMSR1, CSQKMSS1, CSQKPING, CSQKRSDS

Severity: 8

System Action: The channel abends with one of the following abend reason codes:

QRCX A problem with a receive exit

QSDX A problem with a send exit

System Programmer Response: Investigate why the exit program passed data that exceeded *max-length*. See the *MQSeries Intercommunication* manual for information about user exit programs.

CSQK596A *cics-applid csect-name* **Data length** *data-length* **returned by exit is larger than** **AgentBufferLength** *ab-length*.

Explanation: An exit program has returned data in the supplied agent buffer, but the specified length is greater than the length of the buffer. This message is followed by message CSQK590I, which gives more information about the problem.

Module: CSQKMSR1, CSQKMSS1, CSQKPING, CSQKRSDS

Severity: 8

System Action: The channel abends with one of the following abend reason codes:

QMGX A problem with a message exit

QRCX A problem with a receive exit

QSCX A problem with a security exit

QSDX A problem with a send exit

System Programmer Response: Investigate why the exit program has returned data that is longer than *ab-length*. See the *MQSeries Intercommunication* manual for information about user exit programs.

CSQK597A *cics-applid csect-name* **Data length** *data-length* **returned by exit is larger than** **ExitBufferLength** *eb-length*.

Explanation: An exit program has returned data in the supplied user exit buffer, but the specified length is greater than the length of the buffer. This message is followed by message CSQK590I, which gives more information about the problem.

Module: CSQKMSR1, CSQKMSS1, CSQKPING, CSQKRSDS

Severity: 8

System Action: The channel abends with one of the following abend reason codes:

QMGX A problem with a message exit

QRCX A problem with a receive exit

QSCX A problem with a security exit

QSDX A problem with a send exit

System Programmer Response: Investigate why the exit program has returned data that is longer than *eb-length*. See the *MQSeries Intercommunication* manual for information about user exit programs.

CSQK599I *cics-applid csect-name* **Data modified from** *old-data* **to** *new-data*.

Explanation: This message accompanies message CSQK593A, and indicates what the data is now, and what it was before it was changed.

Module: CSQKMSR1, CSQKMSS1, CSQKPING, CSQKRSDS

Severity: 0

CSQK600A *cics-applid csect-name* **Remote definition for channel** *channel-name* **not found.**

Explanation: During initial data negotiation, the partner MCA has indicated that the channel definition for *channel-name* could not be found.

Module: CSQKIDSD

Severity: 8

System Action: The channel does not start.

System Programmer Response: Investigate why the channel definition was not found on the remote system.

CSQK601A *cics-applid csect-name* **Remote definition for channel** *channel-name* **is of wrong type.**

Explanation: During initial data negotiation, the partner MCA has indicated that the channel definition for *channel-name* is of the wrong type.

Module: CSQKIDSD

Severity: 8

System Action: The channel is not started.

System Programmer Response: Investigate why the channel definition on the remote system was of the wrong type. See the *MQSeries Intercommunication* manual for information about valid channel definition types.

CSQK602A *cics-applid csect-name* **Partner detected protocol error** **on channel** *channel-name*.

Explanation: The partner has sent a reply indicating that a protocol error has occurred. *error* is one of the following:

X'0C' Invalid data

X'0F' MSH eyecatcher error

X'10' General failure

Module: CSQKIDSD, CSQKMSS1

Severity: 8

System Action: The channel ends.

System Programmer Response: Investigate the cause of the error on the remote system. If you are unable to resolve the problem, contact your IBM support center.

CSQK603I *cics-applid csect-name* **QMGR quiescing. Channel channel-name will stop.**

Explanation: The channel has detected that either:

- The queue manager is quiescing
- The connection is quiescing

Module: CSQKMSR1, CSQKMSS1

Severity: 0

System Action: If the channel is a sender or server channel, the existing batch of messages is completed, and then the channel stops.

If the channel is a receiver or requester channel, a request to stop the channel is sent to the partner when the current batch of messages has completed.

CSQK604A *cics-applid csect-name* **Connection conn-id cannot be found.**

Explanation: The connection name specified in the channel definition is not defined to CICS.

Module: CSQKMSGQ, CSQKMSGGS, CSQKPING, CSQKRSNC

Severity: 8

System Action: The channel does not start.

System Programmer Response: Check that the correct connection identifier (*conn-id*) has been specified. If this is correct, investigate why it has not been defined to CICS.

CSQK605A *cics-applid csect-name* **Inquire for connection conn-id failed, EIBRESP=eibresp, EIBRESP2=eibresp2**

Explanation: An EXEC CICS INQUIRE command for the connection specified in the channel definition failed.

Module: CSQKMSGQ, CSQKMSGGS, CSQKPING, CSQKRSNC

Severity: 8

System Action: The channel does not start.

System Programmer Response: The EIB fields contain information about the cause of the problem. See the *CICS Application Programming Reference* manual for an explanation of these values.

CSQK606A *cics-applid csect-name* **Connection conn-id is of wrong type, Accessmethod=access-method, Protocol=protocol**

Explanation: The connection specified in the channel definition file is of the wrong type. *access-method* should be VTAM®, and *protocol* should be APPC.

Module: CSQKMSGQ, CSQKMSGGS, CSQKPING, CSQKRSNC

Severity: 8

System Action: The channel does not start.

System Programmer Response: Check whether the correct connection name is specified in the channel definition. If it is, check the attributes of the connection as defined to CICS.

CSQK607A *cics-applid csect-name tran-id* **has been attached over APPC session session-id.**

Explanation: A sender or requester transaction has been attached over *session-id*. This is not allowed.

Module: CSQKMSGQ, CSQKMSGGS

Severity: 8

System Action: The session is terminated abnormally.

System Programmer Response: Investigate why an attempt has been made to attach *tran-id* over *session-id*.

CSQK608A *cics-applid csect-name tran-id* **has been attached with synclevel level on APPC session session-id.**

Explanation: A receiver or server transaction has been attached with an invalid syncpoint level. Only syncpoint level 0 is supported for distributed queue conversations.

Module: CSQKMSGR, CSQKMSGV

Severity: 8

System Action: The session is terminated abnormally.

System Programmer Response: Investigate why an attempt has been made to attach *tran-id* over *session-id* with an invalid syncpoint level.

CSQK611A *cics-applid csect-name* **Transmission size size for channel channel-name is less than length of transmission header.**

Explanation: The transmission size defined for the channel is less than the minimum required (that is, the size of the transmission header).

Module: CSQKIDRC

Severity: 8

System Action: The channel does not start.

System Programmer Response: Define the transmission size to be at least as large as the transmission header.

CSQK612A *cics-applid csect-name* **Transmission size size received on channel channel-name is less than length of transmission header.**

Explanation: The transmission size received from the partner during initial data negotiation is too small.

Module: CSQKIDRC

Severity: 8

System Action: Negotiation fails, and the channel does not start.

System Programmer Response: Investigate why the partner sent a transmission size that was too small.

CSQK613I *cics-applid csect-name* **Security exit exit-name has requested channel channel-name to stop.**

Explanation: The named security exit has indicated that the channel should stop.

Module: CSQKMSGQ, CSQKMSGR, CSQKMSGGS, CSQKMSGV, CSQKMSR1

Severity: 0

System Action: The channel stops.

CSQK614D *cics-applid csect-name* **Restart for channel *channel-name* has failed. Transid=*transid*, EIBRESP=*eibresp*, EIBRESP2=*eibresp2*.**

Explanation: An attempt was made to restart the channel after a link failure, but the EXEC CICS START failed.

Module: CSQKMSR1, CSQKMSS1

Severity: 8

System Action: The channel does not start.

System Programmer Response: The EIB fields contain information about the cause of the problem. See the *CICS Application Programming Reference* manual for an explanation of these values.

CSQK615A *cics-applid csect-name* **Invalid segment type *type* received on security flows. Channel *channel-name* will stop.**

Explanation: During the security data flows, a segment type of *type* was received. The only valid values for *type* are SECURITY or STATUS.

Module: CSQKMSGS, CSQKMSGV

Severity: 8

System Action: The channel does not start.

System Programmer Response: This is a protocol error, investigate why the partner sent an invalid segment type. If you are unable to resolve the problem, contact your IBM support center.

CSQK616A *cics-applid csect-name* **Status(ERROR) received during security data flows. Channel *channel-name* will stop.**

Explanation: During the security data flows, the partner has requested that the channel be stopped. This message might be accompanied by message CSQK539I indicating the return code.

Note: This might not be an error.

Module: CSQKMSGS, CSQKMSGV

Severity: 8

System Action: The channel stops.

System Programmer Response: If you suspect that an error has occurred, investigate why the partner indicated an error.

CSQK617A *cics-applid csect-name* **Invalid state *state* after initial data negotiation. Channel *channel-name* will stop.**

Explanation: After initial data negotiation has completed, a sender message channel agent (MCA) expected to be in a SEND state, however the state is *state*.

Module: CSQKMSGS

Severity: 8

System Action: The MCA stops.

System Programmer Response: The *state* field contains a CICS defined value for the session state. Investigate with the partner what has caused the problem. If *state* is FREE, it might be that the partner has abended and decided to abnormally end the channel. Check the partner system for error messages that might indicate the cause of the problem.

See the *CICS Distributed Transaction Programming Guide* for information about *state*.

CSQK618A *cics-applid csect-name* **Transmission queue for channel *channel-name* is not defined**

Explanation: An attempt by a sender or server channel to open the transmission queue after the initial data and security flows was unsuccessful because the transmission queue has not been defined.

Module: CSQKMSS1

Severity: 8

System Action: The channel stops.

System Programmer Response: Define a transmission queue for *channel-name*.

CSQK619A *cics-applid csect-name* **MQOPEN failed for transmission queue for channel *channel-name*, MQCC=*mqcc*, MQRC=*mqrc***

Explanation: An attempt by a sender or server channel to open the transmission queue after the initial data and security flows was unsuccessful. *mqcc* and *mqrc* give the reason for the problem.

Module: CSQKMSS1

Severity: 8

System Action: The channel stops.

System Programmer Response: Refer to Appendix A, "API completion and reason codes" for information about *mqcc* and *mqrc*.

CSQK620A *cics-applid csect-name* **Security failure on channel *channel-name***

Explanation: In response to a security message, the partner has responded with an error indicator.

Module: CSQKMSGR, CSQKMSGS, CSQKMSGV

Severity: 8

System Action: The channel stops.

System Programmer Response: This is probably because the security exit of the partner system has detected a security problem, and stopped the exchange. Investigate the cause of the problem on the partner system.

CSQK621A *cics-applid csect-name* **Code Page (CCSID=*ccsid*) not supported**

Explanation: When negotiating a connection, the code page (*ccsid*) could not be supported.

Module: CSQKIDRC, CSQKIDSD

Severity: 8

System Action: The MCA stops.

System Programmer Response: Use a code page from the list of supported code pages below:

- 37 USA EBCDIC
- 273 Germany EBCDIC
- 277 Denmark and Norway EBCDIC
- 278 Finland and Sweden EBCDIC
- 280 Italy EBCDIC
- 284 Spain EBCDIC
- 285 UK EBCDIC
- 297 France EBCDIC
- 500 International EBCDIC
- 871 Iceland EBCDIC
- 437 USA ASCII
- 850 International ASCII

CSQK630I *cics-applid csect-name* Duplicate message on SYSTEM.CHANNEL.SEQNO. Message deleted

Explanation: During retrieval of a sequence number message, another message with an identical Msgld and Correlld was found on the sequence number queue.

Module: CSQKMSR1, CSQKMSS1

Severity: 4

System Action: The duplicate message is removed from the queue. Channel processing continues.

CSQK900A *cics-applid csect-name* Cannot retrieve data from a START command.
EIBFN=*eibfn* EIBRESP=*eibresp* EIBRESP2=*eibresp2*

Explanation: An attempt has been made to retrieve data for an EXEC CICS START command, but the retrieve was unsuccessful.

Module: CSQKMSGQ, CSQKMSGG

Severity: 8

System Action: The channel is not started.

System Programmer Response: The EIB fields contain information about the cause of the problem. See the *CICS Application Programming Reference* manual for an explanation of these values.

CSQK903A *cics-applid csect-name* MQOPEN error. MQCC=*mqcc* MQRC=*mqrc*

Explanation: An MQOPEN call has been unable to open a queue.

Module: CSQKIDRC, CSQKMSGQ, CSQKMSR1, CSQKMSS1

Severity: 8

System Action: The transaction ends and resources are backed out to the last syncpoint.

System Programmer Response: Refer to Appendix A, "API completion and reason codes" for information about *mqcc* and *mqrc* to determine the cause of the problem.

CSQK904I *cics-applid csect-name* This message cannot be processed.

Explanation: When an attempt to put a message on a queue using an MQPUT1 call was unsuccessful, an attempt was made to put the message on a dead-letter queue. This was also unsuccessful and the message identifier has been sent to the system console. This message follows messages CSQK936A and CSQK923I, and is followed by message CSQK924I.

Module: CSQKMSR1, CSQKMSS1

Severity: 0

System Action: Processing continues.

CSQK905A *cics-applid csect-name* MQINQ failed. MQCC=*mqcc* MQRC=*mqrc*

Explanation: An attempt to use the MQINQ call to inquire about the attributes of a queue was unsuccessful. This message is issued with message CSQK923I.

Module: CSQKMSR1, CSQKMSS1

Severity: 8

System Action: The channel terminates.

System Programmer Response: Refer to Appendix A, "API completion and reason codes" for information about *mqcc* and *mqrc* to determine why an MQINQ call could not be made on the queue.

CSQK907A *cics-applid csect-name* Invalid MQTM structure ID of struc-id.

Explanation: The triggering transaction has passed an invalid structure on the start command.

Module: CSQKMSGQ, CSQKMSGG

Severity: 8

System Action: The channel does not start.

System Programmer Response: Check the triggering transaction. If the triggering transaction was CKSV, CKTI, or CKMC, contact your IBM support center.

CSQK908D *cics-applid csect-name* Cannot link to *pgm-name*.
EIBFN=*eibfn* EIBRESP=*eibresp* EIBRESP2=*eibresp2*

Explanation: An attempt to link to *pgm-name* was unsuccessful. This is probably because the program has not been defined correctly.

Module: CSQKIDRC, CSQKMSGQ, CSQKMSGG, CSQKMSGG, CSQKMSGV, CSQKMSR1, CSQKMSS1, CSQKPING, CSQKRSDD

Severity: 8

System Action: The transaction terminates.

System Programmer Response: The EIB fields contain information about the cause of the problem. See the *CICS Application Programming Reference* manual for an explanation of these values.

CSQK914A *cics-applid csect-name* Cannot commit
luwid-idnode.luwid-uow

Explanation: The MQSeries CICS adapter cannot commit this unit of work.

Module: CSQKACTN, CSQKRSDD

Severity: 8

System Action: CKSG terminates. The unit of work stays in-doubt.

System Programmer Response: Check the system console, or the CICS transient data queue (CKMQ), for any preceding messages from the MQSeries CICS adapter (CSQC...) to determine the cause of the problem.

CSQK915A *cics-applid csect-name* Cannot back out
luwid-idnode.luwid-uow

Explanation: The MQSeries CICS adapter cannot back out this unit of work.

Module: CSQKACTN, CSQKRSDD

Severity: 8

System Action: CKSG terminates. The unit of work stays in-doubt.

System Programmer Response: Check the system console, or the CICS transient data queue (CKMQ), for any preceding messages from the MQSeries CICS adapter (CSQC...) to determine the cause of the problem.

CSQK916A *cics-applid csect-name* **A session for conn-name cannot be allocated.**
EIBFN=eibfn EIBRESP=eibresp EIBRESP2=eibresp2

Explanation: An attempt to allocate a session for connection *conn-name* was unsuccessful. This is probably because the connection name or profile name in the channel definition is incorrect.

Module: CSQKMSGQ, CSQKMSGG, CSQKPING, CSQKRSNC

Severity: 8

System Action: CKSG ends, and resources are backed out to the last syncpoint.

System Programmer Response: Determine the cause of the problem from the EIB fields, and define more sessions or check the profile definition if required. See the *CICS Application Programming Reference* manual for an explanation of the EIB values.

CSQK917A *cics-applid csect-name* **Address of indoubt luwids is not available.**
MQCC=mqcc MQRC=mqrc

Explanation: The MQSeries CICS adapter is unable to provide an address pointing to the in-doubt units of work.

Module: CSQKACTN, CSQKRSDS, CSQKSTUS

Severity: 8

System Action: CKSG terminates, and the units of work remain in-doubt.

System Programmer Response: Refer to Appendix A, “API completion and reason codes” for information about *mqcc* and *mqrc* to determine the cause of the problem.

CSQK918A *cics-applid csect-name* **Cannot open the queue manager.**
MQCC=mqcc MQRC=mqrc

Explanation: An **MQOPEN** call for the queue manager object was unsuccessful.

Module: CSQKIDRC, CSQKMSGQ, CSQKMSGG, CSQKMSR1, CSQKMSS1, CSQKPING, CSQKRSNC

Severity: 8

System Action: The transaction terminates.

System Programmer Response: Refer to Appendix A, “API completion and reason codes” for information about *mqcc* and *mqrc* to determine the cause of the problem.

CSQK919A *cics-applid csect-name* **Cannot query the queue manager.**
MQCC=mqcc MQRC=mqrc

Explanation: An **MQINQ** call on the queue manager object was unsuccessful.

Module: CSQKIDRC, CSQKMSGQ, CSQKMSGG, CSQKMSR1, CSQKMSS1, CSQKPING, CSQKRSNC

Severity: 8

System Action: The transaction terminates, and all resources are backed out to the last syncpoint.

System Programmer Response: Refer to Appendix A, “API completion and reason codes” for information about *mqcc* and *mqrc* to determine the cause of the problem.

CSQK923I *cics-applid csect-name* **Qname=q-name**

Explanation: This messages follows any message indicating a problem with a queue, and indicates the name of the queue involved.

Module: CSQKIDRC, CSQKMSGQ, CSQKMSS1, CSQKMSR1

Severity: 0

CSQK924I *cics-applid csect-name* **MsgID=msg-id, Qname=q-name**

Explanation: This message follows message CSQK904I indicating the hexadecimal identifier of the message, and the name of the queue, in question.

Module: CSQKMSR1, CSQKMSS1

Severity: 0

CSQK925A *cics-applid csect-name* **CICS GETMAIN failed attempting to get number bytes.**
EIBFN=eibfn EIBRESP=eibresp EIBRESP2=eibresp2

Explanation: The program has tried to get some storage, but there was none available.

Module: CSQKMSGQ, CSQKMSGR, CSQKMSGG, CSQKMSGV, CSQKMSR1, CSQKMSS1

Severity: 8

System Action: The program terminates.

System Programmer Response: This is probably a CICS short on storage problem. Use the procedure used at your installation to resolve the problem, and then restart the channel.

CSQK926A *cics-applid csect-name* **Invalid MQTM version of version.**

Explanation: The triggering transaction has passed an invalid structure on the start command.

Module: CSQKMSGQ, CSQKMSGG

Severity: 8

System Action: The channel does not start.

System Programmer Response: Check the triggering transaction. If the triggering transaction was CKSV, CKTI, or CKMC, contact your IBM support center.

CSQK933A *cics-applid csect-name* **MQGET failed. MQCC=mqcc MQRC=mqrc**

Explanation: An attempt was made to get a message from a queue with an **MQGET** call, but the attempt was unsuccessful. This message is followed by message CSQK923I, indicating the name of the queue in question.

Module: CSQKMSR1, CSQKMSS1

Severity: 8

System Action: The program terminates, and resources are backed out to the last syncpoint. If this message is issued by a sender channel, the transmission queue is set to not trigger.

System Programmer Response: Refer to Appendix A, “API completion and reason codes” for information about *mqcc* and *mqrc* to determine why an **MQGET** call could not be made on the queue.

CSQK936A *cics-applid csect-name* **MQPUT failed. MQCC=*mqqc*
MQRC=*mqrq***

Explanation: An attempt was made to put a message on a queue with an **MQPUT** call, but the attempt was unsuccessful. This message is followed by message CSQK923I, indicating the name of the queue in question.

Module: CSQKMSR1, CSQKMSS1

Severity: 8

System Action: The program terminates, and all resources are backed out to the last syncpoint.

System Programmer Response: Refer to Appendix A, "API completion and reason codes" for information about *mqqc* and *mqrq* to determine why an **MQPUT** call could not be made for the queue.

CSQK964A *cics-applid csect-name* **A dead letter queue is not defined for this QMGR**

Explanation: A dead-letter queue is required by the distributed queuing component, but one has not been defined.

Module: CSQKMSS1, CSQKMSR1

Severity: 8

System Action: The channel ends.

System Programmer Response: Define a dead-letter queue if you want to use distributed queuing.

CSQK966A *cics-applid csect-name* **The dead letter queue is not of usage normal.**

Explanation: The dead-letter queue defined is not of usage type normal.

Module: CSQKMSR1, CSQKMSS1

Severity: 8

System Action: The channel ends.

System Programmer Response: Define the dead-letter queue to have usage type normal.

CSQK967A *cics-applid csect-name* **The dead letter queue is not of type local.**

Explanation: The dead-letter queue defined was not of type local.

Module: CSQKMSR1, CSQKMSS1

Severity: 8

System Action: The channel ends.

System Programmer Response: Define the dead-letter queue as a local queue.

CSQK968A *cics-applid csect-name* **Queue named *q-name* is not of type local**

Explanation: The queue specified as the transmission queue in the channel definition has been defined as a remote queue, but it should have been defined as a local queue.

Module: CSQKMSS1

Severity: 8

System Action: The channel ends.

System Programmer Response: Investigate why a queue of the wrong type was specified.

CSQK969A *cics-applid csect-name* **Queue named *q-name* is not of usage TRANSMISSION**

Explanation: The queue defined as the transmission queue in the channel definition is not of type XMITQ.

Module: CSQKMSS1

Severity: 8

System Action: The channel ends.

System Programmer Response: Investigate why a queue of the wrong type was specified.

Message manager messages (CSQM...)

CSQM084I *csect-name* **COMMAND INHIBITED DURING RESTART/TERMINATION**

Explanation: A command that will affect a recoverable object has been requested either too early in MQSeries startup, or too late in MQSeries termination.

The usual reason for receiving this message is that some prohibited command has been issued in the initialization input data set CSQINP1. This message is issued with message CSQM085I.

Module: CSQMTCMD

Severity: 8

System Action: The command is ignored.

System Programmer Response: Wait until the system is in a state where it is possible to reissue the prohibited commands. If required, remove the command from CSQINP1, and place it in CSQINP2, to ensure that this problem does not reoccur.

CSQM085I *csect-name* **ABNORMAL COMPLETION**

Explanation: This message is issued with message CSQM084I, and indicates that the command requested has not been actioned.

Module: CSQMTCMD

Severity: 8

System Action: The command is not actioned.

System Programmer Response: Wait until the system is in a state where it is possible to use the prohibited commands.

CSQM086E **QUEUE MANAGER CREATE ERROR, CODE=*reason-code*, RESTART UNSUCCESSFUL**

Explanation: During MQSeries restart, the creation of the Queue Manager object has failed. The reason code is of the form 00D44xxx.

Module: CSQMERST

Severity: 8

System Action: MQSeries fails to restart.

System Programmer Response: Refer to "Message manager codes (X'D4')" on page 247 for an explanation of the reason code, and what action to take. Reissue the START QMGR command to restart the MQSeries subsystem. If the error persists note this reason code, and contact your IBM support center for assistance.

CSQM090E *csect-name* **FAILURE REASON CODE X'*reason-code*'**

Explanation: An MQSeries command has failed. The reason code is of the form 00D44xxx. This message is accompanied by one or more other more specific messages, which indicate the reason for the failure.

Module: CSQMDERM, CSQMMSGP, CSQMUNLS, CSQMUPRO, CSQMUQAL, CSQMUQLC, CSQMUQMD, CSQMUQRM

Severity: 8

System Action: The command is ignored.

System Programmer Response: See the explanations of the accompanying messages for more information. Refer to "Message

manager codes (X'D4')" on page 247 for an explanation of the reason code, and what action to take. If the reason code is not one of those listed above, make a note of it and contact your IBM support center for assistance.

CSQM092I *csect-name keyword(value)* **VALUE RANGE ERROR**

Explanation: A numeric parameter is out of range on an MQSeries command.

Module: CSQMMSGP

Severity: 8

System Action: The command is ignored.

System Programmer Response: Reissue the command with the numeric parameter within its valid bounds. For information about valid values, See the *MQSeries Command Reference* manual.

CSQM093I *csect-name keyword(value)* **NAME CONTAINS INVALID CHARACTERS**

Explanation: A name has been specified that contains one or more invalid characters. See the *MQSeries Command Reference* manual for information about validation required for the name in question to correct this.

Module: CSQMDERM, CSQMMSGP, CSQMUNLS, CSQMUPRO, CSQMUQAL, CSQMUQLC, CSQMUQMD, CSQMUQRM

Severity: 8

System Action: The command is ignored.

System Programmer Response: Reissue the command with the correct name. For more information about the command, see the *MQSeries Command Reference* manual.

CSQM094I *csect-name keyword(value)* **WAS NOT FOUND**

Explanation: An MQSeries command has been issued that refers to an object that does not exist.

Module: CSQMMSGP, CSQMQLU, CSQMUNLS, CSQMUPRO, CSQMUQAL, CSQMUQLC, CSQMUQMD, CSQMUQRM

Severity: 8

System Action: The command is ignored.

System Programmer Response: Define the object if necessary.

Note: If you are dealing with a queue or channel object, an object of the same name, but of a different subtype, might already exist.

CSQM095I *csect-name keyword(value)* **ALREADY EXISTS**

Explanation: An MQSeries DEFINE command has been issued, but the object specified already exists.

Module: CSQMMSGP

Severity: 8

System Action: The command is ignored.

System Programmer Response: Either reissue the command with the REPLACE option, or use the existing object.

CSQM096I *csect-name keyword(value)* **NAME HAS INVALID LENGTH**

Explanation: A name has been specified that is of an incorrect length.

Module: CSQMDERM, CSQMMSGP, CSQMUNLS, CSQMUPRO, CSQMUQAL, CSQMUQLC, CSQMUQMD, CSQMUQRM

Severity: 8

System Action: The command is ignored.

System Programmer Response: Reissue the command with a name of the correct length. For more information about the command, see the *MQSeries Command Reference* manual.

CSQM097I *csect-name keyword(value)* **NAME CANNOT BE COMPLETELY BLANK**

Explanation: A name has been specified that is blank. This is not allowed.

Module: CSQMDERM, CSQMMSGP, CSQMUNLS, CSQMUPRO, CSQMUQAL, CSQMUQLC, CSQMUQMD, CSQMUQRM

Severity: 8

System Action: The command is ignored.

System Programmer Response: Reissue the command with a non-blank name. For more information about the command, see the *MQSeries Command Reference* manual.

CSQM098I *csect-name keyword(value)* **FIELD TOO LONG**

Explanation: A numeric or character parameter has been specified, but the field in which it is defined is too long.

Module: CSQMMSGP

Severity: 8

System Action: The command is ignored.

System Programmer Response: Reissue the command with the correct field length. For more information about the command, see the *MQSeries Command Reference* manual.

CSQM099I *csect-name keyword(value)* **NAME IN USE AS A DIFFERENT TYPE**

Explanation: An object has been specified as one particular subtype, but it already exists as another subtype.

Module: CSQMMSGP, CSQMUQAL, CSQMUQLC, CSQMUQMD, CSQMUQRM

Severity: 8

System Action: The command is ignored.

System Programmer Response: Reissue the command with the correct object and subtype. For more information about the command, see the *MQSeries Command Reference* manual.

CSQM100I *csect-name keyword(value)* **VALUE INVALID OR OUT OF RANGE**

Explanation: A keyword has been specified that can take either a series of character values, or a bounded numeric value, but neither of these has been used.

Module: CSQMMSGP

Severity: 8

System Action: The command is ignored.

System Programmer Response: Reissue the command with the parameter specified correctly. For more information about the command, see the *MQSeries Command Reference* manual.

CSQM101I *csect-name keyword(value)* **IS CURRENTLY IN USE**

Explanation: The object specified is in use. This could be because:

- It is open through the API.
- A trigger message is presently being written to it.
- It is in the process of being deleted.
- When it is a storage class, there is a queue defined as using the storage class, and there are messages currently on the queue.
- When altering the index type of a local queue, there are messages currently on the queue.
- When altering the default transmission queue, the old queue is currently being used as a transmission queue by default.
- Although the FORCE option was specified to overcome the object being open through the API, the object was created with a previous version of MQSeries.

Module: CSQMMSGP, CSQMUNLS, CSQMUPRO, CSQMUQAL, CSQMUQLC, CSQMUQMD, CSQMUQRM

Severity: 8

System Action: The command is ignored.

System Programmer Response: Either:

- Wait until the object has been closed or deleted.

Note: MCAs for receiver channels can keep the destination queues open for a while even when messages are not being transmitted, and so such queues might appear to be in use.

- Wait until all the queues that use a storage class are empty
- Wait until the queue is empty
- Wait until use of the queue as a default transmission queue has ended

It is not possible to use the FORCE option to overcome the situations that cause this message.

For more information about the command, see the *MQSeries Command Reference* manual.

CSQM103I *csect-name keyword(value)* **HAS MESSAGES ASSOCIATED WITH IT**

Explanation: A local queue specified for deletion has messages associated with it, and the DELETE request did not include the PURGE option.

Module: CSQMUQLC

Severity: 8

System Action: The command is ignored.

System Programmer Response: Either delete the local queue when it is empty, or reissue the request specifying the PURGE option.

CSQM104I *csect-name keyword(value)* **FLAGGED FOR DEFERRED DELETION**

Explanation: A local dynamic queue specified on a DEFINE, ALTER, or DELETE request has been flagged for deferred deletion because it was found to be in use at the time of deletion.

Module: CSQMMSGP, CSQMUQLC

Severity: 8

System Action: The queue is no longer available to new users,

and will be deleted when all existing users of it have relinquished access.

CSQM105I *csect-name keyword* **VALUE IS SAME AS QALIAS NAME**

Explanation: An attempt was made to DEFINE or ALTER an alias queue so that the queue itself was named on the TARGQ keyword. Unless the queue is a cluster queue, this is not allowed because an alias queue can only resolve to a local or remote queue.

Module: CSQMMSGP

Severity: 8

System Action: The command is ignored.

System Programmer Response: Reissue the command with a different name for the TARGQ keyword.

CSQM106I *csect-name* **DEFXMITQ(*q-name*) IS NOT ALLOWED**

Explanation: The specified queue is not allowed to be used as the default transmission queue because it is reserved for use exclusively by clustering.

Module: CSQMMSGP

Severity: 8

System Action: The command is ignored.

System Programmer Response: Reissue the command with a different DEFXMITQ name.

CSQM107I *csect-name* **STGCLASS ACTIVE OR QUEUE IN USE**

Explanation: A request to ALTER or DEFINE REPLACE a local queue involving a change to the STGCLASS field is not allowed because there are messages on the queue, or other threads have the queue open.

Module: CSQMMSGP

Severity: 8

System Action: The command is ignored.

System Programmer Response: If there are messages on the queue, you must remove them before changing the storage class.

Note: If you remove all the messages from the queue, there might be a short delay before the command can be processed successfully.

If other threads have the queue open, wait until they have closed the queue before reissuing the command.

CSQM108I *csect-name keyword(value)* **CANNOT BE DEFINED**

Explanation: An attempt was made to issue an MQSeries DEFINE request on a reserved object, using an incorrect object type or subtype. The object is only allowed to be of the predetermined type listed below:

Type	Object
Any Queue	SYSTEM.ADMIN.CHANNEL.EVENT SYSTEM.ADMIN.PERFM.EVENT SYSTEM.ADMIN.QMGR.EVENT
Alias queue	SYSTEM.DEFAULT.ALIAS.QUEUE

Type	Object
Local queue	SYSTEM.CHANNEL.COMMAND SYSTEM.CHANNEL.INITQ SYSTEM.CHANNEL.REPLY.INFO SYSTEM.CHANNEL.SEQNO SYSTEM.CHANNEL.SYNCQ SYSTEM.CLUSTER.COMMAND.QUEUE SYSTEM.CLUSTER.REPOSITORY.QUEUE SYSTEM.CLUSTER.TRANSMIT.QUEUE SYSTEM.COMMAND.INPUT SYSTEM.DEFAULT.LOCAL.QUEUE
Model queue	SYSTEM.COMMAND.REPLY.MODEL SYSTEM.DEFAULT.MODEL.QUEUE
Remote queue	SYSTEM.DEFAULT.REMOTE.QUEUE
Cluster-sender channel	SYSTEM.DEF.CLUSSDR
Cluster-receiver channel	SYSTEM.DEF.CLUSRCVR
Sender channel	SYSTEM.DEF.SENDER
Server channel	SYSTEM.DEF.SERVER
Receiver channel	SYSTEM.DEF.RECEIVER
Requester channel	SYSTEM.DEF.REQUESTER
Client-connection channel	SYSTEM.DEF.CLNTCONN
Server-connection channel	SYSTEM.DEF.SVRCONN
Namelist	SYSTEM.DEFAULT.NAMELIST
Process	SYSTEM.DEFAULT.PROCESS
Storage class	SYSTEMST

Module: CSQMMSGP

Severity: 8

System Action: The command is ignored.

System Programmer Response: Ensure that reserved objects are defined with the correct object type or subtype.

CSQM109E *csect-name* **DYNAMIC QUEUE** *value* **NOT DELETED,** **REASON** *mqr*

Explanation: A dynamic queue could not be deleted during normal close processing, thread termination, or the end of subsystem restart, because an error occurred whilst attempting to delete it. *mqr* gives the reason code for the error.

Module: CSQMCLH, CSQMCLS2, CSQMERST.

Severity: 8

System Action: The named dynamic queue is not deleted.

System Programmer Response: Refer to Appendix A, "API completion and reason codes" for information about the reason code to determine why the queue could not be deleted, and take the appropriate action as necessary. Possible reason codes are:

- MQR_OBJECT_IN_USE
- MQR_PAGESET_ERROR
- MQR_Q_NOT_EMPTY

CSQM110I *csect-name keyword(value)* **HAS INCOMPLETE UNITS OF RECOVERY**

Explanation: The queue specified for deletion cannot be deleted because it has incomplete units of recovery outstanding for it.

Module: CSQMUQLC

Severity: 8

System Action: The command is ignored.

System Programmer Response: Wait until all units of recovery for this queue are complete before attempting to delete the queue again.

CSQM111E *csect-name* **COULD NOT PUT TO THE DEAD QUEUE, CODE=mqrc**

Explanation: An attempt to put a message to the dead letter queue was unsuccessful. *mqrc* gives the reason code for the error.

Module: CSQMDFUT

Severity: 4

System Action: Processing continues.

System Programmer Response: Refer to Appendix A, "API completion and reason codes" for information about *mqrc* to determine the cause of the problem.

CSQM112E *csect-name keyword(value)* **IO ERROR OCCURRED**

Explanation: A page set I/O error was encountered while processing an MQSeries command for an object. This is probably due to a hardware error of some sort.

Module: CSQMUNLS, CSQMUPRO, CSQMUQAL, CSQMUQLC, CSQMUQMD, CSQMUQRM

Severity: 4

System Action: The command is ignored.

System Programmer Response: Examine the way that your hardware has been set up for possible problems.

CSQM113E *csect-name keyword(value)* **PAGE SET FULL**

Explanation: An MQSeries command failed because page set zero is full. This message is issued with message CSQM090E, which indicates the reason code.

Module: CSQMCAMM, CSQMCNAN, CSQMCNAP, CSQMCNA1, CSQMCNA3, CSQMCNA6

Severity: 8

System Action: The command is not actioned.

System Programmer Response: Increase the size of page set zero. Refer to the *MQSeries for OS/390 System Management Guide* for information about how to do this.

CSQM114E *csect-name keyword(value)* **EXCEEDED LOCAL QUEUE LIMIT**

Explanation: An MQSeries command failed because no more local queues could be defined. There is an implementation limit of 524 287 for the number of local queues that can exist. This message is issued with message CSQM090E, which indicates the reason code.

Module: CSQMCNA1

Severity: 8

System Action: The command is not actioned.

System Programmer Response: Delete any existing queues that are no longer required.

CSQM115I *csect-name keyword(value)* **IS CURRENTLY IN USE, FORCE NEEDED**

Explanation: The object specified is in use. This could be because:

- It is open through the API.
- When altering the USAGE attribute of a local queue, there are messages currently on the queue.
- When altering the default transmission queue, the old queue is currently being used as a transmission queue by default.

Module: CSQMMSGP, CSQMUNLS, CSQMUPRO, CSQMUQAL, CSQMUQLC, CSQMUQMD, CSQMUQRM

Severity: 8

System Action: The command is ignored.

System Programmer Response: Either:

- Wait until the object has been closed or deleted.

Note: MCAs for receiver channels can keep the destination queues open for a while even when messages are not being transmitted, and so such queues might appear to be in use.

- Wait until the queue is emptied.
- Wait until use of the queue as a default transmission queue has ended.
- Reissue the command with the FORCE option.

Note: Any subsequent API calls referencing the object will fail with a reason code of MQRC_OBJECT_CHANGED.

For more information about the command, see the *MQSeries Command Reference* manual.

CSQM116I *csect-name keyword(value)* **WILL NOT TAKE EFFECT UNTIL RESTART**

Explanation: The specified attribute was changed, but the change will not take effect immediately because the object is in use. This could be because:

- It is open through the API.
- There are messages currently on the queue.
- There is uncommitted activity on the queue.

Module: CSQMMSGP

Severity: 4

System Action: The command is actioned. The attribute change will take effect when the queue manager is next restarted.

CSQM126I *csect-name keyword* **KEYWORD ONLY APPLICABLE TO LU62 PROTOCOL**

Explanation: The named keyword can only be specified when TRPTYPE(LU62) is specified.

Module: CSQMCNAC

Severity: 8

System Action: Processing of the command is terminated.

System Programmer Response: Reissue the command without the named keyword.

CSQM127I *csect-name keyword(value)* IS EMPTY

Explanation: A namelist used to specify a list of clusters has no names in it.

Module: CSQMQLU

Severity: 8

System Action: Processing of the command is terminated.

System Programmer Response: Reissue the command specifying a namelist that is not empty.

CSQM128E *csect-name MQPUT FAILED FOR QUEUE q-name.*
REASON=*mqrc*

Explanation: During the processing of a command, an attempt to put a message to the named queue failed for the specified reason.

Module: CSQMPCHL, CSQMQLU, CSQMRCHL, CSQMSCHL, CSQMSLIS, CSQMTCHI, CSQMTCHL, CSQMTLIS, CSQMVCHL, CSQWP1TM

Severity: 8

System Action: The command is not actioned.

System Programmer Response: Refer to Appendix A, "API completion and reason codes" for information about *mqrc*. If *mqrc* is 2003, the message could not be committed.

CSQM129I *csect-name keyword(value)* HAS WRONG CHANNEL TYPE FOR COMMAND

Explanation: The command cannot be used with the named channel because it cannot be used for channels of that type.

Module: CSQMPCHL, CSQMVCHL

Severity: 8

System Action: The command is not actioned.

System Programmer Response: Check that the correct channel name was specified on the command. Reissue the command with a different channel name. For more information about the command, see the *MQSeries Command Reference* manual.

CSQM130I *csect-name* CLUSTER REQUEST QUEUED

Explanation: All synchronous processing for a command has completed successfully. The command requires further action by the cluster repository manager, for which a request has been queued.

Module: CSQMQLU

Severity: 0

System Action: Synchronous processing for the command is complete.

CSQM131I *csect-name* CHANNEL INITIATOR NOT ACTIVE.
CLUSTER AND CHANNEL COMMANDS INHIBITED

Explanation: A command was issued that required the channel initiator to be started.

Module: CSQMCMAS

Severity: 8

System Action: The command is not actioned.

System Programmer Response: Issue the START CHINIT command to start the channel initiator, and reissue the command.

CSQM132I *csect-name* CHANNEL INITIATOR ALREADY ACTIVE

Explanation: The START CHINIT command was issued but the channel initiator is already active.

Module: CSQMSCHI

Severity: 8

System Action: The command is not actioned.

CSQM133I *csect-name* UNABLE TO START CHANNEL INITIATOR

Explanation: A START CHINIT command was issued but the channel initiator could not be started.

This could be for one of the following reasons:

- The system did not allow the channel initiator address space to be created at this time due to a heavy system workload
- There was not enough storage to start the channel initiator address space
- The system tried to obtain more address spaces than the maximum number supported
- The queue manager was quiescing or shutting down.

Module: CSQMSCHI

Severity: 8

System Action: The command is not actioned.

System Programmer Response: Reissue the command when the system workload is reduced and when the queue manager is not shutting down.

CSQM134I *csect-name command keyword(value)* COMMAND ACCEPTED

Explanation: All synchronous processing for the named command has completed successfully. The command has been enqueued to be completed by the channel initiator. Further messages will be produced when the command has been completed.

Module: CSQMPCHL, CSQMRCHL, CSQMSCHL, CSQMTCHL, CSQMVCHL

Severity: 0

System Action: Synchronous processing for the named command is complete.

CSQM137I *csect-name command keyword* COMMAND ACCEPTED

Explanation: All synchronous processing for the named command has completed successfully. The command has been enqueued to be completed by the channel initiator. Further messages will be produced when the command has been completed.

Module: CSQMTCHI

Severity: 0

System Action: Synchronous processing for the named command is complete.

CSQM138I *csect-name* CHANNEL INITIATOR STARTING

Explanation: A START CHINIT command has been issued and the channel initiator address space has been started successfully. Further messages will be produced when the command has been completed.

Module: CSQMSCHI

Severity: 0

System Action: Synchronous processing for the named command is complete.

CSQM139I *csect-name* **INDXTYPE(MSGTOKEN) NOT ALLOWED FOR TEMPORARY DYNAMIC QUEUE**

Explanation: An attempt was made to define or alter a temporary-dynamic queue from which messages could be retrieved using message tokens. This combination is not allowed.

Module: CSQMCNA1

Severity: 8

System Action: Processing of the command is terminated.

System Programmer Response: Reissue the command with correct values.

CSQM140I *csect-name keyword* **KEYWORD NOT ALLOWED WITH TRPTYPE(value)**

Explanation: The named keyword cannot be used on a START LISTENER command for the transport type shown.

Module: CSQMSLIS

Severity: 8

System Action: The command is not actioned.

System Programmer Response: Reissue the command with the correct keywords.

CSQM141I *csect-name* **LUNAME KEYWORD REQUIRED WITH TRPTYPE(LU62)**

Explanation: A START LISTENER command was issued specifying TRPTYPE(LU62) but without the LUNAME keyword. The LUNAME keyword is required with TRPTYPE(LU62).

Module: CSQMSLIS

Severity: 8

System Action: The command is not actioned.

System Programmer Response: Reissue the command with the correct keywords.

CSQM142I *csect-name* **CLUSTER(cluster-name) REPOSITORY IS NOT ON THIS QUEUE MANAGER**

Explanation: A RESET CLUSTER command was issued, but the queue manager does not provide a full repository management service for the specified cluster.

Module: CSQMRCLU

Severity: 8

System Action: Processing of the command is terminated.

System Programmer Response: Reissue the command with the correct values or on the correct queue manager.

CSQM143I *csect-name* **CHANNEL INITIATOR NOT AVAILABLE**

Explanation: The CSQXJST load module could not be loaded.

Module: CSQMSCHI

Severity: 8

System Action: The START CHINIT command is not actioned.

System Programmer Response: Verify that:

- The correct load module libraries are being used

- The distributed queuing component has been installed.

CSQM144I *csect-name keyword(value)* **CANNOT BE A CLUSTER QUEUE**

Explanation: An attempt was made to define or alter a queue to make it part of a cluster. This is not allowed if the queue is dynamic or is one of the following reserved queues:

```
SYSTEM.CHANNEL.COMMAND
SYSTEM.CHANNEL.INITQ
SYSTEM.CHANNEL.REPLY.INFO
SYSTEM.CHANNEL.SEQNO
SYSTEM.CHANNEL.SYNCQ
SYSTEM.CLUSTER.COMMAND.QUEUE
SYSTEM.CLUSTER.REPOSITORY.QUEUE
SYSTEM.COMMAND.INPUT
SYSTEM.COMMAND.REPLY.MODEL
```

Module: CSQMCNA1

Severity: 8

System Action: Processing of the command is terminated.

System Programmer Response: Reissue the command with the correct values.

CSQM146I *csect-name* **USAGE(XMITQ) NOT ALLOWED WITH INDXTYPE(MSGTOKEN)**

Explanation: An attempt was made to define or alter a queue so that it was both a transmission queue and so that messages could be retrieved using message tokens. This is not allowed.

Module: CSQMCNA1

Severity: 8

System Action: Processing of the command is terminated.

System Programmer Response: Reissue the command with correct values.

CSQM147I *csect-name* **XCFGNAME AND XCFMNAME VALUES ARE INCOMPATIBLE**

Explanation: An attempt was made to define or alter a storage class object so that it had incompatible values for XCFGNAME and XCFMNAME. They must both be non-blank or both blank.

Module: CSQMCNAS

Severity: 8

System Action: Processing of the command is terminated.

System Programmer Response: Reissue the command with correct values.

CSQM148I *csect-name keyword* **KEYWORD NOT ALLOWED WITH CHLTYPE(value)**

Explanation: The named keyword cannot be specified for channels of the type shown.

Module: CSQMCNAC

Severity: 8

System Action: Processing of the command is terminated.

System Programmer Response: Reissue the command without the named keyword.

CSQM149I *csect-name keyword* **KEYWORD REQUIRED WITH CHLTYPE(value)**

Explanation: The named keyword was not specified but is required for channels of the type shown.

Module: CSQMCNAC

Severity: 8

System Action: Processing of the command is terminated.

System Programmer Response: Reissue the command with the named keyword added.

CSQM150I *csect-name* **REPOS AND REPSONL VALUES ARE INCOMPATIBLE**

Explanation: An attempt was made to alter the queue manager object so that it had incompatible values for REPOS and REPSONL. At most one can be non-blank.

Module: CSQMCAMM

Severity: 8

System Action: Processing of the command is terminated.

System Programmer Response: Reissue the command with correct values.

CSQM151I *csect-name* **CLUSTER AND CLUSNL VALUES ARE INCOMPATIBLE**

Explanation: An attempt was made to define or alter an object so that it had incompatible values for CLUSTER and CLUSNL. At most one can be non-blank.

Module: CSQMCNA1, CSQMCNA3, CSQMCNA6, CSQMCNAC

Severity: 8

System Action: Processing of the command is terminated.

System Programmer Response: Reissue the command with correct values.

CSQM152I *csect-name* **USAGE(XMITQ) NOT ALLOWED FOR CLUSTER QUEUE**

Explanation: An attempt was made to define or alter a queue so that it was both a transmission queue and in a cluster. This is not allowed.

Module: CSQMCNA1

Severity: 8

System Action: Processing of the command is terminated.

System Programmer Response: Reissue the command with correct values.

CSQM201I *csect-name verb-name object* **DETAILS**

Explanation: This message is the response to a DISPLAY *object* command entered from either the console, or the command server initialization server. It provides the attributes requested for the object, as follows:

```
object(name)
attribute-value
attribute-value
.
```

CSQM298I *csect-name* **END object DETAILS**

It is not an error message. *csect-name* might include the command prefix (CPF), depending on how the command was entered.

Exceptionally, the last line might be

csect-name verb-name object **TERMINATED WITH MAX LINES**

if the number of lines allowed in a multiple line WTO to be issued on the console (255) has been exceeded. This figure includes the first and last lines of the display. The only *object* that might cause this message is namelist because displaying a complete namelist would require 263 lines in total. (This only occurs when the command has been issued from the console.)

Module: CSQMDMSG, CSQXDMSG

Severity: 0

CSQM295I *csect-name* **UNEXPECTED ERROR DURING DISPLAY**

Explanation: A severe error occurred while processing a DISPLAY command. This message is issued in response to commands entered from the console and the command server, and is followed by message CSQ9023E.

Module: CSQXDMSG, CSQXDRTS

Severity: 8

System Action: The display of the command is terminated.

System Programmer Response: Refer to the console log for messages giving more information about the error.

CSQM297I *csect-name* **NO object FOUND MATCHING REQUEST CRITERIA**

Explanation: A request to DISPLAY a specific object *object* (or objects in the case of a generic request) has found that there are no objects to display. This message is issued in response to commands entered from the console and the command server. This is not an error message.

Module: CSQMDMSG, CSQMDRTS

Severity: 0

System Action: The command is actioned.

CSQM298I *csect-name* **TOTAL MESSAGE LENGTH ALLOWED ON CONSOLE EXCEEDED**

Explanation: The total message length for the command allowed on the console (32K) has been exceeded. This message is issued in response to commands entered from the console, and is followed by message CSQ9023E.

Module: CSQMDMSG

Severity: 8

System Action: The command is actioned, but the display of the command is terminated.

System Programmer Response: This error occurs if a generic display command is entered (for example, DIS Q(*) ALL), and the total amount of data to be displayed exceeds 32K. To avoid this problem, try to be more selective about the information requested (for example, DIS Q(PAY*) ALL).

CSQM299I *csect-name* **INSUFFICIENT STORAGE TO COMPLETE DISPLAY**

Explanation: There was insufficient storage available to complete processing of a DISPLAY command. This message is issued in response to commands entered from the console and the command server, and is followed by message CSQ9023E.

Module: CSQMDMSG, CSQMDRTS, CSQXDMSG, CSQXDRTS

Severity: 8

System Action: The command is actioned, but the display of the command is terminated.

System Programmer Response: If this error occurs when a generic display command is entered (for example, DIS Q(*) ALL), try to be more selective about the information requested (for example, DIS Q(PAY*) ALL). If the problem persists, you might need to increase the region size used by your queue manager or channel initiator, or you might need to reduce the number of jobs running in your system.

CSQM400I *Storage Class object*

Explanation: This message consists of the entire storage class object formatted for use by applications. It is issued in response to commands entered from the command server. Message CSQ9022I follows this message.

Module: CSQMDRTS

Severity: 0

CSQM401I *Local Queue object*

Explanation: This message consists of the entire Local Queue object formatted for use by applications. It is issued in response to commands entered from the command server. Message CSQ9022I follows this message.

Module: CSQMDRTS

Severity: 0

CSQM402I *Model Queue object*

Explanation: This message consists of the entire Model Queue object formatted for use by applications. It is issued in response to commands entered from the command server. Message CSQ9022I follows this message.

Module: CSQMDRTS

Severity: 0

CSQM403I *Alias Queue object*

Explanation: This message consists of the entire Alias Queue object formatted for use by applications. It is issued in response to commands entered from the command server. Message CSQ9022I follows this message.

Module: CSQMDRTS

Severity: 0

CSQM406I *Remote Queue object*

Explanation: This message consists of the entire Remote Queue object formatted for use by applications. It is issued in response to commands entered from the command server. Message CSQ9022I follows this message.

Module: CSQMDRTS

Severity: 0

CSQM407I *Namelist object*

Explanation: This message consists of the entire namelist object formatted for use by applications. It is issued in response to commands entered from the command server. Message CSQ9022I follows this message.

Module: CSQMDRTS

Severity: 0

CSQM408I *Process object*

Explanation: This message consists of the entire process object formatted for use by applications. It is issued in response to commands entered from the command server. Message CSQ9022I follows this message.

Module: CSQMDRTS

Severity: 0

CSQM409I *Queue Manager object*

Explanation: This message consists of the entire Queue Manager object formatted for use by applications. It is issued in response to commands entered from the command server. Message CSQ9022I follows this message.

Module: CSQMDRTS

Severity: 0

CSQM410I *Sender Channel object*

Explanation: This message consists of the entire sender channel object formatted for use by applications. It is issued in response to commands entered from the command server. Message CSQ9022I follows this message.

Module: CSQMDRTS

Severity: 0

CSQM411I *Server Channel object*

Explanation: This message consists of the entire server channel object formatted for use by applications. It is issued in response to commands entered from the command server. Message CSQ9022I follows this message.

Module: CSQMDRTS

Severity: 0

CSQM412I *Receiver Channel object*

Explanation: This message consists of the entire receiver channel object formatted for use by applications. It is issued in response to commands entered from the command server. Message CSQ9022I follows this message.

Module: CSQMDRTS

Severity: 0

CSQM413I *Requester Channel object*

Explanation: This message consists of the entire requester channel object formatted for use by applications. It is issued in response to commands entered from the command server. Message CSQ9022I follows this message.

Module: CSQMDRTS

Severity: 0

CSQM415I *Server-connection Channel object*

Explanation: This message consists of the entire server-connection channel object formatted for use by applications. It is issued in response to commands entered from the command server. Message CSQ9022I follows this message.

Module: CSQMDRTS

Severity: 0

CSQM416I *Client-connection Channel object*

Explanation: This message consists of the entire client-connection channel object formatted for use by applications. It is issued in response to commands entered from the command server. Message CSQ9022I follows this message.

Module: CSQMDRTS

Severity: 0

CSQM417I *Cluster-receiver Channel object*

Explanation: This message consists of the entire cluster-receiver channel object formatted for use by applications. It is issued in response to commands entered from the command server. Message CSQ9022I follows this message.

Module: CSQMDRTS

Severity: 0

CSQM418I *Cluster-sender Channel object*

Explanation: This message consists of the entire cluster-sender channel object formatted for use by applications. It is issued in response to commands entered from the command server. Message CSQ9022I follows this message.

Module: CSQMDRTS

Severity: 0

CSQM420I *Sender Channel status*

Explanation: This message consists of the entire channel status for a sender channel, formatted for use by applications. It is issued in response to commands entered from the command server. Message CSQ9022I follows this message.

Module: CSQXDRTS

Severity: 0

CSQM421I *Server Channel status*

Explanation: This message consists of the entire channel status for a server channel, formatted for use by applications. It is issued in response to commands entered from the command server. Message CSQ9022I follows this message.

Module: CSQXDRTS

Severity: 0

CSQM422I *Receiver Channel status*

Explanation: This message consists of the entire channel status for a receiver channel, formatted for use by applications. It is issued in response to commands entered from the command server. Message CSQ9022I follows this message.

Module: CSQXDRTS

Severity: 0

CSQM423I *Requester Channel status*

Explanation: This message consists of the entire channel status for a requester channel, formatted for use by applications. It is issued in response to commands entered from the command server. Message CSQ9022I follows this message.

Module: CSQXDRTS

Severity: 0

CSQM425I *Server-connection Channel status*

Explanation: This message consists of the entire channel status for a server-connection channel, formatted for use by applications. It is issued in response to commands entered from the command server. Message CSQ9022I follows this message.

Module: CSQXDRTS

Severity: 0

CSQM427I *Cluster-receiver Channel status*

Explanation: This message consists of the entire channel status for a cluster-receiver channel, formatted for use by applications. It is issued in response to commands entered from the command server. Message CSQ9022I follows this message.

Module: CSQXDRTS

Severity: 0

CSQM428I *Cluster-sender Channel status*

Explanation: This message consists of the entire channel status for a cluster-sender channel, formatted for use by applications. It is issued in response to commands entered from the command server. Message CSQ9022I follows this message.

Module: CSQXDRTS

Severity: 0

CSQM431I *Cluster Queue object*

Explanation: This message consists of the entire Cluster Queue object formatted for use by applications. It is issued in response to commands entered from the command server. Message CSQ9022I follows this message.

Module: CSQMDRTS

Severity: 0

CSQM439I *Cluster Queue Manager object*

Explanation: This message consists of the entire Cluster Queue Manager object formatted for use by applications. It is issued in response to commands entered from the command server. Message CSQ9022I follows this message.

Module: CSQMDRTS

Severity: 0

CSQM999E • CSQM999E

CSQM999E *csect-name* **UNRECOGNIZED RETURN CODE** *ret-code*
FOR KEYWORD *keyword*

Explanation: An unexpected return code has been issued from a DEFINE, ALTER, DISPLAY, or DELETE request.

Module: CSQMDERM, CSQMMSGP, CSQMUNLS, CSQMUPRO, CSQMUQAL, CSQMUQLC, CSQMUQMD, CSQMUQRM

Severity: 8

System Action: The command is ignored.

System Programmer Response: Note the return code *ret-code* (which is shown in hexadecimal) and contact your IBM support center for assistance.

Command server messages (CSQN...)

CSQN001I COMMAND SERVER STARTED

Explanation: A request to start the command server with the START CMDSERV command has been accepted.

Module: CSQNCSTT

Severity: 0

System Action: The command server is triggered to start. This message should be followed by message CSQN200I which indicates that the command server is starting up.

CSQN002I COMMAND SERVER ALREADY STARTED

Explanation: A START CMDSERV command has been entered, but the command server is already running.

Module: CSQNCSTT

Severity: 0

System Action: The command is ignored.

CSQN003I COMMAND SERVER ENABLED

Explanation: In response to a START CMDSERV command in an initialization file, the command server has been put in to an enabled state.

Module: CSQNCSTT

Severity: 0

System Action: The command server will be started automatically when initialization finishes.

CSQN004I COMMAND SERVER ALREADY ENABLED

Explanation: A START CMDSERV command has been entered, but the command server was already enabled.

Module: CSQNCSTT

Severity: 0

System Action: The command is ignored.

CSQN005I COMMAND SERVER STOPPED

Explanation: A request to stop the command server with a STOP CMDSERV command has been accepted.

Module: CSQNCSTP

Severity: 0

System Action: The command server shuts down when it finishes processing the current command (or immediately if it is not processing a command). This message is followed by message CSQN201I to confirm that the stop has started.

CSQN006I COMMAND SERVER ALREADY STOPPED

Explanation: A STOP CMDSERV command was entered, but the command server was not running.

Module: CSQNCSTP

Severity: 0

System Action: The command is ignored.

CSQN007I COMMAND SERVER DISABLED

Explanation: In response to a STOP CMDSERV command in an initialization file, the command server has been put in to a disabled state.

Module: CSQNCSTP

Severity: 0

System Action: The command server will not start automatically when initialization finishes.

CSQN008I COMMAND SERVER ALREADY DISABLED

Explanation: A STOP CMDSERV command has been entered, but the command server was already disabled.

Module: CSQNCSTP

Severity: 0

System Action: The command is ignored.

CSQN009I *csect-name verb-name pkw-name* COMMAND DISABLED

Explanation: The command was not processed because it was not allowed during this stage of initialization or termination. *verb-name* might include the command prefix (CPF). This depends on how the command was entered.

Module: CSQNCSTP, CSQNCSTT

Severity: 4

System Action: The command is ignored.

CSQN011I COMMAND SERVER STATUS IS ENABLED

Explanation: The command server is in an enabled state; that is, the command server will be started automatically when initialization finishes.

Module: CSQNCDSP

Severity: 0

CSQN012I COMMAND SERVER STATUS IS DISABLED

Explanation: The command server is in a disabled state; that is, the command server will not be started automatically when initialization finishes.

Module: CSQNCDSP

Severity: 0

CSQN013I COMMAND SERVER STATUS IS RUNNING

Explanation: The command server is in a running state; that is, the command server is currently processing a command.

Module: CSQNCDSP

Severity: 0

CSQN014I COMMAND SERVER STATUS IS WAITING

Explanation: The command server is in a waiting state; that is, the command server is waiting for a message to be put onto the system-command input queue.

Module: CSQNCDSP

Severity: 0

CSQN015I COMMAND SERVER STATUS IS STOPPED

Explanation: The command server is in a stopped state; that is, the command server will not process any commands until a START CMDSERV command is entered.

Module: CSQNCDSP

Severity: 0

CSQN016I COMMAND SERVER STATUS IS STARTING

Explanation: The command server is in a starting state; that is, a START CMDSERV command has been entered, but the command server has not yet started up.

Module: CSQNCDSP

Severity: 0

CSQN017I COMMAND SERVER STATUS IS STOPPING

Explanation: The command server is in a stopping state; that is, a STOP CMDSERV command has been entered, but the command server has not yet stopped.

Module: CSQNCDSP

Severity: 0

CSQN018I *csect-name* INTERNAL ERROR FOR *identifier*, RETURN CODE=*rc*

Explanation: This message could be caused by the following:

Identifier	Description
INSSRV01	During the early part of initialization the subsystem was unable to start the task that processes the commands in CSQINP1
INSSRV02	During the later part of initialization the subsystem was unable to start the task that processes the commands in CSQINP2
RTSSRV01	After initialization has completed with the command server enabled, or in response to a START CMDSERV command, the subsystem was unable to start the command server task

Module: CSQININB1, CSQNRTB1

Severity: 8

System Action: The task is not started.

System Programmer Response: Check the console for other messages regarding this error, and note the message number, *identifier*, and *rc*. Also collect the system dump (if one was produced). Contact your IBM support center.

CSQN019E *csect-name* INTERNAL ERROR FOR *identifier*, RETURN CODE=*rc*

Explanation: This message could be caused by the following:

Identifier	Description
INSSRV01	During the early part of initialization an error occurred when trying to delete the task that processes the commands in CSQINP1

INSSRV02 During the later part of initialization an error occurred when trying to delete the task that processes the commands in CSQINP2

RTSSRV01 During subsystem termination with the command server running, or in response to a START CMDSERV command, an error occurred when trying to delete the command server task

Module: CSQNESTP, CSQNINE1, CSQNRTB1

Severity: 8

System Action: If the value of *identifier* was INSSRV01 or INSSRV02, the error is ignored, and MQSeries startup continues.

If the value of *identifier* was RTSSRV01 and *csect-name* was CSQNESTP, the command server could have terminated while processing a command.

System Programmer Response: Check the console for other messages regarding this error. If you are unable to resolve the problem, note the message number, *identifier*, and *rc*, collect the system dump (if one was produced), and contact your IBM support center.

CSQN020I *csect-name* UNABLE TO START COMMAND SERVER *identifier*

Explanation: *csect-name* was unable to start the command server *identifier*.

Module: CSQNCSTT, CSQNERST, CSQNRELS, CSQNSTRT

Severity: 8

System Action: If *identifier* is INSSRV01 or INSSRV02, initialization is not completed and a dump might be produced. If *identifier* is RTSSRV01, the command server is not started.

System Programmer Response: Contact your IBM support center with details of this message, any previous messages pertaining to this error, and the dump (if applicable).

CSQN021E *csect-name* COMMAND SERVER *identifier* ABNORMAL COMPLETION

Explanation: The command server *identifier* was unable to complete a task during startup.

Module: CSQNSTRT, CSQNRELS

Severity: 8

System Action: MQSeries subsystem startup continues.

System Programmer Response: Check the OS/390 console for related messages (probably concerning the CSQINPx data sets). The CSQOUTx data sets should also be checked to determine how much command processing was done before the error occurred. If required, use the utility program to reissue any unprocessed commands, or resolve the problem and restart the MQSeries subsystem.

CSQN100I COMMAND EXCEEDS MAXIMUM SIZE, COMMAND IGNORED

Explanation: The command string was too long.

Module: CSQININS

Severity: 4

System Action: The command is ignored, and processing of CSQINP1 or CSQINP2 continues.

System Programmer Response: The command in question precedes this message in the CSQOUT1 or CSQOUT2 data set.

For details about forming a command string, see the *MQSeries for OS/390 System Management Guide*.

CSQN101I COMMAND ENDS WITH A CONTINUATION MARK, COMMAND IGNORED

Explanation: The last command in the CSQINP1 or CSQINP2 data set ended with a continuation mark.

Module: CSQNINS

Severity: 4

System Action: The command is ignored.

System Programmer Response: The command in question precedes this message in the CSQOUT1 or CSQOUT2 data set. For details about forming a command string, see the *MQSeries for OS/390 System Management Guide*.

CSQN102I COMMAND BUFFER INVALID, ERROR UNKNOWN, COMMAND IGNORED

Explanation: An internal error has occurred.

Module: CSQNINS

Severity: 4

System Action: This command is ignored, and the next command is processed.

System Programmer Response: The command in question precedes this message in the CSQOUT1 or CSQOUT2 data set. If you are unable to solve the problem, contact your IBM support center.

CSQN103I COMMAND PROCESSOR RETURN CODE=*rc*, REASON CODE=*reason*

Explanation: An error occurred while processing the command preceding this message in the CSQOUT1 or CSQOUT2 data set. The possible values of *rc* are as follows:

Return code	Description
00000004	Internal error, contact your IBM support center
00000008	Syntax error, see the following lines in the CSQOUTx data set
0000000C	Command processor error, see the following lines in the CSQOUTx data set
00000010	Command processor abend, contact your IBM support center
00000014	Command completed, but there is insufficient storage for the messages, contact your IBM support center
00000018	Generalized command preprocessor has insufficient storage, (there could be further messages about this error), contact your IBM support center
0000001C	The command processor has insufficient storage (the command could be partially completed), contact your IBM support center
00000020	Security check, contact your IBM support center
00D50102	Refer to "Command server codes (X'D5')"

Note: If the return code is 00000010, the reason code has no meaning.

If *reason* is 4 and *return code* is 0, the command has been accepted and will be completed later. Further messages will be produced when the command has been completed.

If *reason* is -1 (X'FFFFFF'), the command was not actioned, otherwise the reason code indicates the command result as follows:

Reason	Description
0	Command completed
4	Partial completion
8	Command not actioned
12	Command processor abend

Module: CSQNINS

Severity: 4

System Action: The next command is processed.

System Programmer Response: Examine the command and all associated messages (see the *MQSeries Command Reference* manual for further information about the MQSeries commands).

If you are unable to solve the problem, collect the input and output data sets and contact your IBM support center.

CSQN104I INITIALIZATION RETURN CODE=*rc*, REASON CODE=*reason*

Explanation: An error occurred while processing one of the initialization data sets.

Module: CSQNINS

Severity: 8

System Action: The system action depends on the reason code (*reason*). Refer to "Command server codes (X'D5')" for information the code you have received.

System Programmer Response: The response you should make depends on the reason code (*reason*). Refer to "Command server codes (X'D5')" for information about the code you have received.

CSQN105I Commands from *ddname* for queue manager *ssnm* - *date time*

Explanation: This message forms the header for the output data sets CSQOUT1 and CSQOUT2.

Module: CSQNINS

Severity: 0

CSQN201I COMMAND SERVER IS SHUTTING DOWN

Explanation: This message is to confirm that the command server is shutting down.

Module: CSQNRTS

Severity: 0

System Action: The command server shuts down and will not process any more commands on the system-command input queue.

CSQN202I COMMAND SERVER RETURN CODE=*rc*, REASON=*reason*

Explanation: An error occurred in the command server.

Module: CSQNRTS

Severity: 8

System Action: The system action depends on the reason code (*reason*). Refer to "Command server codes (X'D5')" for information the code you have received.

System Programmer Response: The response you should make depends on the reason code (*reason*). Refer to "Command server codes (X'D5')" for information about the code you have received.

The return code *rc* is dependant on *reason*, and is of use to IBM service personnel.

CSQN203I API COMPLETION CODE=*mqcc*, REASON CODE=*mqrc*

Explanation: An API call produced a nonzero completion code. *mqcc* is the completion code, and *mqrc* is the reason code.

Module: CSQNRTS

Severity: 8

System Programmer Response: Refer to Appendix A, "API completion and reason codes" for information about *mqcc* and *mqrc*. This message is usually preceded by a CSQN202I message. Refer to "Command server codes (X'D5')" for information about the reason code for more information about the cause of the problem.

If you are unable to resolve the problem, note the numbers of any messages and codes associated with the error, and contact your IBM support center.

CSQN205I COUNT=*count*, RETURN=*rc*, REASON=*reason*

Explanation: This message reports the results from the command processor (refer to the *MQSeries for OS/390 System Management Guide* for further information). *count* is the number of messages (including this one) to be written to the reply-to queue in response to the command. Possible values of *rc* are as follows:

Return code	Description
00000000	Normal completion
00000004	Internal error, contact your IBM support center
00000008	Syntax error, see the following messages
0000000C	Command processor error, see the following messages
00000010	Command processor abend, contact your IBM support center
00000014	Command completed, but there is insufficient storage for the messages, contact your IBM support center
00000018	Generalized command preprocessor has insufficient storage, (there could be further messages about this error), contact your IBM support center
0000001C	The command processor has insufficient storage (the command could be partially completed), contact your IBM support center
00000020	Security check, check userid authority
00D5xxxx	Refer to "Command server codes (X'D5')"

Note: If the return code is 00000010, the reason code has no meaning.

If *reason* is 4 and *return code* is 0, the command has been accepted and will be completed later. Further messages, including another CSQN205I message, will be produced when the command has been completed.

If *reason* is -1 (X'FFFFFF'), the command was not actioned, otherwise the reason code indicates the command result as follows:

Reason	Description
0	Command completed
4	Partial completion
8	Command not actioned
12	Command processor abend

Module: CSQNRTS

Severity: 0

CSQN206I COMMAND SERVER ECBLIST, STOP=*ecb1*, WAIT=*ecb2*

Explanation: This message reports the ECB values associated with an error in the command server.

Module: CSQNRTS

Severity: 8

System Action: The command server is terminated.

System Programmer Response: This message is usually preceded by a CSQN202I message. Refer to "Command server codes (X'D5')" for information about the reason code for more information about the cause of the problem.

CSQN207I COMMAND SERVER UNABLE TO OPEN REPLY TO QUEUE

Explanation: The command server was unable to open the reply-to queue while processing a command.

Module: CSQNRTS

System Action: Message CSQN203I is sent to the OS/390 console reporting the completion and reason codes from the **MQOPEN** request. The command responses are discarded.

System Programmer Response: Refer to Appendix A, "API completion and reason codes" for information about completion and reason codes from MQI calls. Use this information to solve the problem, and restart the command server. If this does not help you to solve the problem, collect the following items, and contact your IBM support center.

- Return and reason codes from the message produced
- Any trace information collected

CSQN208I COMMAND SERVER UNABLE TO OPEN COMMAND INPUT QUEUE

Explanation: The command server was unable to open the system-command input queue while starting up.

Module: CSQNRTS

System Action: Message CSQN203I is sent to the OS/390 console reporting the completion and reason codes from the **MQOPEN** request. The command server stops, without processing any commands.

System Programmer Response: Refer to Appendix A, "API completion and reason codes" for information about completion and reason codes from MQI calls. Use this information to solve the problem, and restart the command server. If this does not help you to solve the problem, collect the following items, and contact your IBM support center.

- Return and reason codes from the message produced
- Any trace information collected

CSQN209I COMMAND SERVER ERROR CLOSING COMMAND INPUT QUEUE

Explanation: While the command server was shutting down, an error occurred when closing the system-command input queue.

Module: CSQNRTS

System Action: Message CSQN203I is sent to the OS/390 console reporting the completion and reason codes from the **MQCLOSE** request. MQSeries continues with the shutdown procedure.

System Programmer Response: Refer to Appendix A, "API completion and reason codes" for information about completion and reason codes from MQI calls. If this does not help you to solve the

problem, collect the following items, and contact your IBM support center:

- Return and reason codes from the message produced
- Any trace information collected

CSQN210I COMMAND SERVER ERROR CLOSING REPLY TO QUEUE

Explanation: The command server was unable to close the reply-to queue while processing a command.

Module: CSQNRTS

System Action: Message CSQN203I is sent to the OS/390 console reporting the completion and reason codes from the **MQCLOSE** request.

System Programmer Response: Refer to Appendix A, "API completion and reason codes" for information about completion and reason codes from MQI calls.

CSQN211I COMMAND SERVER ERROR GETTING FROM COMMAND INPUT QUEUE

Explanation: The command server experienced an error while trying to get a command from the system-command input queue.

Module: CSQNRTS

System Action: Message CSQN203I is sent to the OS/390 console, reporting the completion and reason codes from the **MQGET** request.

The command server shuts down.

System Programmer Response: Refer to Appendix A, "API completion and reason codes" for information about completion and reason codes from MQI calls. Use this information to solve the problem, and restart the command server. If this does not help you to solve the problem, collect the following items, and contact your IBM support center:

- Return and reason codes from the console message
- Any trace information collected

CSQN212I COMMAND SERVER ERROR PUTTING TO REPLY TO QUEUE

Explanation: The command server was unable to put a response message onto a reply-to queue while processing a command.

Module: CSQNRTS

System Action: Message CSQN203I is sent to the OS/390 console reporting the completion and reason codes from the **MQPUT** request. If possible, the command server sends the response message to the dead-letter queue, otherwise the response is discarded.

System Programmer Response: Refer to Appendix A, "API completion and reason codes" for information about completion and reason codes from MQI calls. If this does not help you to solve the problem, collect the following items, and contact your IBM support center:

- Return and reason codes from the message produced
- Any trace information collected

CSQN213I COMMAND SERVER ERROR, COMMAND INPUT QUEUE DISABLED

Explanation: While waiting for a command the SYSTEM.COMMAND.INPUT.QUEUE has been disabled.

Module: CSQNRTS

System Action: Message CSQN203I is sent to the console containing the return and reason codes from the request function. The command server is terminated.

System Programmer Response: Collect the following items, and contact your IBM support center:

- Return and reason codes
- Any trace data collected
- Printout of SYS1.LOGREC

See the *MQSeries for OS/390 System Management Guide* for information about how to restart the command server.

CSQN215E COMMAND SERVER ERROR OPENING REPLY INFORMATION QUEUE

Explanation: The command server experienced an error while opening the SYSTEM.CHANNEL.REPLY.INFO queue.

Module: CSQNRTS

Severity: 8

System Action: Message CSQN203I is sent to the OS/390 console reporting the completion and reason codes from the **MQGET** request.

The command server continues.

System Programmer Response: Refer to Appendix A, "API completion and reason codes" for information about completion and reason codes from MQI calls. Use this information to solve the problem. If this does not help you to solve the problem, collect the following items, and contact your IBM support center:

- Return and reason codes from the console message
- Any trace information collected

CSQN216E COMMAND SERVER ERROR PUTTING TO REPLY INFORMATION QUEUE

Explanation: The command server experienced an error while putting a message to the SYSTEM.CHANNEL.REPLY.INFO queue.

Module: CSQNRTS

Severity: 8

System Action: Message CSQN203I is sent to the OS/390 console reporting the completion and reason codes from the **MQPUT** request.

The command server continues.

System Programmer Response: Refer to Appendix A, "API completion and reason codes" for information about completion and reason codes from MQI calls. Use this information to solve the problem. If this does not help you to solve the problem, collect the following items, and contact your IBM support center:

- Return and reason codes from the console message
- Any trace information collected

CSQN217E COMMAND SERVER ERROR GETTING FROM REPLY INFORMATION QUEUE

Explanation: The command server experienced an error while getting a message from the SYSTEM.CHANNEL.REPLY.INFO queue.

Module: CSQNRTS

Severity: 8

System Action: Message CSQN203I is sent to the OS/390 console reporting the completion and reason codes from the **MQGET** request.

The command server continues.

System Programmer Response: Refer to Appendix A, "API completion and reason codes" for information about completion and reason codes from MQI calls. Use this information to solve the problem. If this does not help you to solve the problem, collect the following items, and contact your IBM support center:

- Return and reason codes from the console message
- Any trace information collected

CSQN218E COMMAND SERVER ERROR CLOSING REPLY INFORMATION QUEUE

Explanation: The command server experienced an error while closing the SYSTEM.CHANNEL.REPLY.INFO queue.

Module: CSQNRTS

Severity: 8

System Action: Message CSQN203I is sent to the OS/390 console reporting the completion and reason codes from the **MQCLOSE** request.

The command server continues.

System Programmer Response: Refer to Appendix A, "API completion and reason codes" for information about completion and reason codes from MQI calls. Use this information to solve the problem, and restart the command server. If this does not help you to solve the problem, collect the following items, and contact your IBM support center:

- Return and reason codes from the console message
- Any trace information collected

CSQN219E COMMAND SERVER ERROR GETTING MESSAGE ID

Explanation: The command server experienced an error extracting the message ID from a message.

Module: CSQNRTS, CSQNSINF, CSQ9SINF

Severity: 8

System Action: The command server continues.

System Programmer Response: Contact your IBM support center with details of this message, any previous messages pertaining to this error, and the dump (if applicable).

Operations and control messages (CSQO...)

CSQO001I **** may only be final character.**

Explanation: A character string entered in either the Name or Like field contains an asterisk character that is not in the last position. This is not allowed.

Module: CSQOREXX

Severity: 0

System Action: The main menu is redisplayed.

Operator Response: Reenter the character string without an internal asterisk.

CSQO002I Action *action* is not allowed.

Explanation: An incorrect action number has been entered in the action code field. The number must be in the range shown on the panel.

Module: CSQORLST, CSQORNAM

Severity: 0

System Action: The panel is redisplayed.

Operator Response: Enter an action code that is in the correct range.

CSQO003I Use the PFSHOW command to display F-key settings

Explanation: On entry to Operations and Control, F-key settings are not being displayed. This tells you how to display the settings; you need to use F-keys to use the Operations and Control panels.

Module: CSQOREXX

Severity: 0

System Action: None.

Operator Response: Type PFSHOW in the command area to see the F-key settings. (Note that this will cause the F-key settings to be displayed on any other logical ISPF screens that you have, and to remain displayed when you leave Operations and Control. Use the PFSHOW OFF command to turn the display off.)

CSQO004I Object *object-type* is not allowed.

Explanation: The value entered in the Object type field was invalid.

Module: CSQOREXX

Severity: 0

System Action: The main menu is redisplayed.

Operator Response: Use the Prompt function key or command to display the Select a Valid Object Type pop-up, and select a value from the list displayed.

CSQO005I Multiple replies returned. Press F10 to view.

Explanation: Several error messages have been returned by MQSeries in response to a command entered through the MQSeries operations and controls panels.

Module: CSQORATR, CSQORLST, CSQORNAM, CSQORSEL

Severity: 4

System Action: The main menu is redisplayed.

Operator Response: Use the MSGVIEW command, or the messages function key to display the messages. If required, refer to this manual for information about the messages displayed.

CSQO006I Generic name not allowed for 'Define'.

Explanation: A name ending in an asterisk has been entered in the Name field when the Define action has been selected. This is not allowed.

Module: CSQOREXX

Severity: 0

System Action: The main menu is redisplayed.

Operator Response: Replace the asterisk with a name, or select a different action.

CSQO007I *field* must be supplied.

Explanation: Nothing has been entered in the named field. This value is required in order to continue.

Module: CSQOREXX, CSQORCTL

Severity: 0

System Action: The current panel is redisplayed.

Operator Response: Enter the required value in the named field.

CSQO008I F-key is not active.

Explanation: A function key that is not currently available has been pressed.

Module: CSQOREXX, CSQORLST, CSQORNAM, CSQORPOP, CSQORSEL

Severity: 0

System Action: The current panel is redisplayed.

Operator Response: Valid keys on each panel are listed—use the ISPF command PFSHOW to see the list if missing. Only use valid keys.

CSQO009I Action *action* not allowed for object type *object-type*

Explanation: The action number that you entered is not allowed for *object-type* objects.

Module: CSQOREXX, CSQORLST

Severity: 8

System Action: The current panel is redisplayed.

Operator Response: For information about the actions that are allowed for *object-type* objects, see the help panel for the action code field.

CSQO010I Queue manager is not available.

Module: CSQOREXX

Severity: 8

Explanation: An attempt to connect to a queue manager was unsuccessful because the queue manager specified is not running.

System Action: None, the panel is redisplayed.

Operator Response: If required, start the specified queue manager.

CSQO011E MQCONN to queue manager unsuccessful. Reason code=*mqr*c.**Module:** CSQOREXX**Severity:** 8**Explanation:** An attempt to connect to a queue manager was unsuccessful for one of the following reasons:

1. Insufficient storage is available
2. A severe error has occurred

System Action: None, the panel is redisplayed.**System Programmer Response:** Refer to Appendix A, "API completion and reason codes" for information about *mqr*c.**CSQO012I Connect to queue manager name is invalid or unknown.****Module:** CSQOREXX**Severity:** 8**Explanation:** An attempt to connect to a queue manager was unsuccessful because the queue manager name specified is not known, or not valid.**System Action:** None, the panel is redisplayed.**Operator Response:** Check the name of the queue manager specified, and if it was incorrect, reenter the command.**CSQO013I Not authorized to use queue manager.****Explanation:** An attempt to connect to a queue manager was unsuccessful because the connection security failed, or you are not authorized to do so.**Module:** CSQOREXX**Severity:** 8**System Action:** None, the panel is redisplayed.**Operator Response:** Contact your security administrator.**CSQO014E MQOPEN of *qname* unsuccessful. Reason code=*mqr*c.****Explanation:** An attempt to open *qname* was unsuccessful. *mqr*c is the reason code returned by the **MQOPEN** call. *qname* is one of the following:

- SYSTEM.COMMAND.INPUT
- SYSTEM.COMMAND.REPLY.MODEL; the requested dynamic queue name is appended in parentheses.
- The name of a transmission queue (if you are attempting to send commands to a remote system)

Likely causes of this problem are:

- One or both of the required queues is not defined on the subsystem that you have connected to.
- An attempt has been made to send commands to a remote system, but no transport queue has been defined.
- You are not authorized to open one of the required queues. If the message indicates that it is the SYSTEM.COMMAND.REPLY.MODEL queue that you are not authorized to open, it could be that you are not authorized to open the SYSTEM.CSQOREXX.... dynamic queue.
- An object is already open with conflicting options (for example, someone could have changed the definition of one of the queues to make it NOSHARE, or opened the SYSTEM.COMMAND.REPLY.MODEL reply-to queue for exclusive use).
- There is insufficient storage available.

Module: CSQOREXX**Severity:** 8**System Action:** The main menu is redisplayed.**Operator Response:**

- Use the MQSeries command DISPLAY QUEUE on the OS/390 console to check that the queues have been defined correctly.
- If your target queue manager is not the same as the connect to queue manager, ensure that you have defined a transmission queue with the same name. See the *MQSeries Intercommunication* manual for information about remote queues.
- If you suspect that the failure could have been caused by insufficient storage being available (*mqr*c is 2071) refer to the MQRC_STORAGE_NOT_AVAILABLE return code in Appendix A, "API completion and reason codes."
- If *mqr*c is 2035 (MQRC_NOT_AUTHORIZED) contact your MQSeries data security administrator.

System Programmer Response: Check that *qname* is defined correctly. Refer to Appendix A, "API completion and reason codes" for information about reason codes from **MQOPEN**.**CSQO015E Command issued but no reply received.****Explanation:** The reply to a command could not be retrieved from the reply-to queue using **MQGET** because the response wait time has been exceeded.**Module:** CSQORATR, CSQORLST, CSQORNAM, CSQORSEL**Severity:** 8**System Action:** The panel is redisplayed. The command was sent, but it might not have been executed successfully.**System Programmer Response:** Review the console for messages from the command server. If this does not enable you to resolve the problem, try the following actions (the commands should be entered on the OS/390 console):

- Use the command DISPLAY CMDSERV to check that the command server is running (the command server puts the replies onto the reply-to queue).
- If it is running, check that the command was actioned if possible (for example, if you were trying to define a queue ABCD, use the command DISPLAY QUEUE(ABCD) to see if it has been actioned).
- If the command has not been actioned, use the command DISPLAY QUEUE(SYSTEM.COMMAND.INPUT) CURDEPTH to check if the command is still waiting on the system-command input queue.
 - If it is, use the command DISPLAY QUEUE(SYSTEM.COMMAND.INPUT) GET to check if the queue has been disabled for gets. (This would mean that the command server could not get the command from the queue.)
 - If the command is not on the queue, was it sent to a remote queue manager? If so, perform the same checks on the remote queue manager.

Consider also that the replies could take a long time to return (for example, if the command was sent to a remote queue manager), so that you might need to increase the response wait time. If you think you have a performance problem, contact the system programmer.

- Check the dead-letter queue to see if the replies are there. Check the reply-to queue to see why the replies were sent to the dead-letter queue (for example, is it full?).

- If the command was sent to a remote queue and the replies did not return, check that the remote queue manager is still running, and that the links to it are still available.

Check the transmission queue definitions for both the local and remote queue managers. If you are sending commands to a remote queue manager, they are put onto a locally defined transmission queue, and after transmission, they are put onto the system-command input queue of the remote queue manager. After the command has been actioned, the replies are put onto a transmission queue on the remote queue manager, and after transmission, they are put onto the local reply-to queue. You should check all four queues.

CSQO016E MQPUT to *qname* unsuccessful. Reason code=*mqr*c.

Explanation: An attempt to put an MQSeries command on a queue (*qname*) using **MQPUT** was unsuccessful. *qname* is the name of either the system-command input queue, or a transmission queue if you are sending commands to a remote queue manager. *mqr*c is returned from **MQPUT** and is documented in Appendix A, "API completion and reason codes."

The most likely causes of this problem are:

1. Put requests are inhibited for the system-command input queue or the transmission queue (in this case, *qname* is the same as the remote system name)
2. The system-command input queue or transmission queue is full
3. The object definition for the system-command input queue or transmission queue has changed
4. There is insufficient storage available

Module: CSQORATR, CSQORLST, CSQORNAM, CSQORSEL

Severity: 8

System Action: The command is not sent and the panel is redisplayed.

Operator Response: Use the following procedure (the MQSeries commands should be entered on the OS/390 console):

1. Use the MQSeries command **DISPLAY QUEUE** to check the attributes of the queue.
2. Use the MQSeries command **DISPLAY QUEUE MAXDEPTH CURDEPTH** to check the values of the **MAXDEPTH** and **CURDEPTH** attributes of the queue.
 - If **MAXDEPTH** seems to be too small use the MQSeries command **ALTER QLOCAL** to increase it.
 - If the **MAXDEPTH** seems to be set to a valid value, but the system-command input queue is full, check that the command server is running. The command server should be the only task reading this queue and it should be processing commands as they arrive on it. Use the MQSeries command **DISPLAY CMDSERV** to check the status of the command server.
3. If you suspect that an object definition has been changed, try entering the command again.
4. If you suspect that the failure could have been caused by insufficient storage being available (*mqr*c is 2071), refer to the **MQRC_STORAGE_NOT_AVAILABLE** return code in Appendix A, "API completion and reason codes."

If you are unable to resolve the problem, contact the system programmer.

System Programmer Response: Refer to Appendix A, "API completion and reason codes" for information about *mqr*c.

CSQO017E MQGET from *reply-q* unsuccessful. Reason code=*mqr*c.

Explanation: The reply to a command could not be retrieved from the reply-to queue using **MQGET**. (The reply-to queue is a local queue generated from the model queue **SYSTEM.COMMAND.REPLY.MODEL**.) *mqr*c is returned from **MQGET**, and is documented in Appendix A, "API completion and reason codes."

A possible cause of this problem is that get requests are inhibited on the reply-to queue.

Module: CSQORATR, CSQORLST, CSQORNAM, CSQORSEL

Severity: 8

System Action: The panel is redisplayed. The command was sent, but it might not have been executed successfully.

System Programmer Response: Review the console for messages from the command server. If this does not enable you to resolve the problem, try the following actions (the commands should be entered on the OS/390 console):

- Use the command **DISPLAY QUEUE(SYSTEM.COMMAND.REPLY.MODEL) GET** to check if the queue is get inhibited. If it is, use the command **ALTER QMODEL(SYSTEM.COMMAND.REPLY.MODEL) GET(ENABLED)** to correct this.
- Check that the command was actioned if possible (for example, if you were trying to define a queue ABCD, use the command **DISPLAY QUEUE(ABCD)** to see if it has been actioned).
- If the command has been actioned, investigate the reply-to queue. Check the model queue definition, and also the local queue named in the message (*reply-q*).

If the model queue was defined as a temporary dynamic queue, (that is **DEFTYPE(TEMPDYN)**) *reply-q* might have been deleted; however, if it was defined as a permanent dynamic queue it should still be available. If the problem persists, consider changing the definition of the model queue to make it permanent dynamic (**DEFTYPE(PERMDYN)**) so that you can examine the local reply-to queue.

Use the **DISPLAY QUEUE(*reply-q*) CURDEPTH** command to check if there are any replies left on the queue, and check that the queue is enabled for PUTs and GETs. Use the **ALTER QMODEL** command to change any of the attributes in error in the definition of the model queue.

- Check the dead-letter queue to see if the replies are there. Check the reply-to queue to see why the replies were sent to the dead-letter queue (for example, is it full?).

CSQO018E Target queue manager name is invalid or unknown.

Explanation: An attempt to send a command to a remote queue manager was unsuccessful because the name was not known or not valid.

Module: CSQOREXX

Severity: 8

System Action: The command is not sent and the panel is redisplayed.

Operator Response: Check the remote queue definition, correct it, and retry the command.

CSQO019E Queue manager is no longer available.

Explanation: The queue manager that you were using is no longer running. The action that you requested might not have been actioned.

Module: CSQORATR, CSQOREXX, CSQORLST, CSQORNAM, CSQORSEL

Severity: 8

System Action: The main menu is redisplayed.

Operator Response: Restart the queue manager, and check whether your last request has been actioned.

CSQO020I 'field-name' truncated due to quotes. Press Enter to continue.

Explanation: The value in field *field-name* contains one or more quote marks. In order that MQSeries treats these as quote marks instead of indicators of the beginning or end of a string, each quote mark is converted into two quote marks (doubling up) when the MQSeries command is built. However, this conversion has made the string too long, and it has been truncated.

Module: CSQORNAM, CSQORSEL

Severity: 0

System Action: The panel is redisplayed with *field-name* set to the truncated value.

Operator Response: Either press Enter to submit the altered definition, or reduce the number of quote marks used in the command.

CSQO021I Generic name not allowed.

Explanation: You entered a name ending with an asterisk, but generic names are only allowed on the main menu panel.

Module: CSQORNAM, CSQORSEL

Severity: 8

System Action: The panel is redisplayed.

Operator Response: Enter the name of the object in full.

CSQO022I Response wait time invalid.

Explanation: You entered an invalid value for the response time.

Module: CSQORPOP

Severity: 8

System Action: The panel is redisplayed.

Operator Response: Enter a value in the range 5 through 999.

CSQO023I Command *command* not recognized.

Explanation: The command entered on the command line (or using a function key) is not valid.

Module: CSQOREXX, CSQORLST, CSQORNAM, CSQORPOP, CSQORSEL

Severity: 4

System Action: The panel is redisplayed.

Operator Response: Enter the command correctly.

CSQO025I There are no messages to view.

Explanation: The MSGVIEW command has been entered on the command line, or the messages function key has been pressed, but there are no messages from the queue manager to view.

Module: CSQORPOP

Severity: 0

System Action: The panel is redisplayed.

CSQO027I Function *function* not allowed for object type *object-type*.

Explanation: The function number that you entered is not allowed for *object-type* objects.

Module: CSQORCTL

Severity: 8

System Action: The current panel is redisplayed.

Operator Response: For information about the functions that are allowed for *object-type* objects, see the help panel for the function type field.

CSQO028I One of *field1* or *field2* but not both must be supplied.

Explanation: Nothing has been entered in the two named fields, or something has been entered in both of them. Either one or the other must have a value.

Module: CSQORCTL

Severity: 0

System Action: The current panel is redisplayed.

CSQO029I Command exceeds maximum allowable length of 32762 bytes.

Explanation: While defining or altering a namelist, too many names are added causing the necessary command to exceed the maximum allowable length.

Module: CSQORNAM

Severity: 4

System Action: The panel is redisplayed.

Operator Response: Edit the list again to remove some of the names (a namelist can contain up to 256 names).

CSQO030I No objects of type *objtype* match *insname*.

Explanation: You asked to display the object of type *objtype* and name *insname* (or to list the objects where *insname* ends with an asterisk), but no matching objects have been found.

Module: CSQORATR, CSQORLST.

Severity: 0

System Action: The current panel is redisplayed.

Operator Response: If the current panel is the main menu, change the 'Name' field for Display, Alter or Delete actions; or change the 'Like' field for the Define action.

If you are already displaying the named object when you receive this message, it indicates that the object has been deleted by another user.

CSQO031E ALLOCATE of data set *dsname* unsuccessful.
Return code = *rc*.

Explanation: An ALLOCATE error occurred when processing the data set allocated during an attempt to edit the names in a namelist. *dsname* is the name of the data set, and is of the form *userid.NAMELIST.NAMES_n* (where *userid* is the TSO userid involved, and *n* is a number). *rc* is the return code from the TSO ALLOCATE command.

The most likely cause of this problem is that another data set with the same name already exists, or that DDname CSQONL*n* is in use.

Module: CSQORNAM

Severity: 8

System Action: The panel is redisplayed.

Operator Response: Check to see if file *userid.NAMELIST.NAMES_n* already exists. If it does not, contact your system programmer.

System Programmer Response: This message will be accompanied by one or more messages from TSO, giving more information about the cause of the problem. The return code is documented in the *TSO/E Command Reference* manual.

If you are unable to resolve the problem, contact your IBM support center.

CSQO032E Serious error returned. Press F10 to view.

Explanation: An MQSeries command has been issued, but message CSQN205I was received in reply, indicating a severe error.

Module: CSQORATR, CSQORLST

Severity: 12

System Action: Message CSQN205I is saved. The current panel is redisplayed.

Operator Response: Use the MSGVIEW command or the messages function key to display the CSQN205I message. Note the return and reason codes in this message and report them to your system programmer.

System Programmer Response: Look up message CSQN205I and take the appropriate action.

CSQO033E Format of first reply not recognized. Press F10 to view.

Explanation: An MQSeries command has been issued, but the first reply message received is not CSQN205I.

Module: CSQORATR, CSQORLST, CSQORNAM, CSQORSEL

Severity: 8

System Action: The messages received are saved. If it is not possible to continue, the current panel is redisplayed.

Operator Response: Use the MSGVIEW command or the messages function key to display the messages. If you do not think that the problem was caused by an error, retry the command. Tell your system programmer.

System Programmer Response: If you are using a remote queue manager, then this problem could arise because you are using more than one link to the remote system, so the arrival order of reply messages is not guaranteed. If you display the messages received you might find the information you requested, otherwise resubmit the command.

If you are only using a local queue manager contact your IBM support center for assistance.

CSQO034E Reply format not recognized. Press F10 to view.

Explanation: An MQSeries DISPLAY command has been issued. The first reply message received was CSQN205I as expected, but a subsequent message was not as expected.

Module: CSQORATR, CSQORLST

Severity: 8

System Action: The message that caused the problem, and any subsequent messages are saved. If it is not possible to continue, the current panel is redisplayed.

Operator Response: Use the MSGVIEW command or the messages function key to display the messages, and note what is displayed. If you do not think that the problem was caused by an error, retry the command. Otherwise, inform your systems programmer.

System Programmer Response: Contact your IBM support center if the message was not what you were expecting.

CSQO035E Unable to get storage. (GETMAIN return code = *rc*.)

Explanation: An attempt to get storage was unsuccessful.

Module: CSQORATR, CSQORLST, CSQORNAM, CSQORSEL

Severity: 12

System Action: The system is unable to acquire enough storage.

Operator Response: Increase the amount of storage available to your system. If you are unable to do this, contact your system programmer.

System Programmer Response: Determine why there was insufficient virtual storage available to satisfy the request.

CSQO037I Locally-defined channel will be used.

Explanation: You selected an action from the List Cluster queue manager Channels panel for an auto-defined cluster channel, but there is a locally-defined channel of the same name. In such a case, if you decide to take the action, it will be performed against the locally-defined channel instead.

Module: CSQORLST

Severity: 4

System Action: The action panel is displayed.

Operator Response: Use the CANCEL command (function key F12) if you do not want to perform the action against the locally-defined channel.

CSQO038I Function is recursive.

Explanation: The function you requested would cause recursion; that is, it would take you to a panel that you have previously come from. This is not allowed.

Module: CSQORSEL

Severity: 4

System Action: The current panel is redisplayed.

Operator Response: Use the CANCEL command (function key F12) to get back to the panel you want.

CSQO039E EDIT of data set *dsname* failed. Return code = *rc*.

Explanation: An EDIT error occurred when processing the data set allocated during an attempt to edit the names in a namelist. *dsname* is the name of the data set, and is of the form *userid.NAMELIST.NAMES_n* (where *userid* is the TSO userid involved, and *n* is a number). *rc* is the return code from the ISPF EDIT command.

Module: CSQORNAM

Severity: 8

System Action: The panel is redisplayed.

Operator Response: Contact your System Programmer.

System Programmer Response: This message will be accompanied by one or more messages from TSO, giving more information about the cause of the problem. The return code is documented in the *TSO/E Command Reference* manual.

If you are unable to resolve the problem, contact your IBM support center.

CSQO040I Object named *name* of type *type* already exists.

Explanation: An attempt was made to define an object with a name that is already used.

Note: If you define a queue of any type, there must be no other queue of any type with the same name.

Module: CSQORATR

Severity: 4

System Action: The panel is redisplayed.

Operator Response: Choose a different name.

CSQO041I Object type *type* not allowed for define request.

Explanation: A define request was issued for object type QUEUE or CHANNEL.

Module: CSQOREXX

Severity: 4

System Action: The pop-up or main panel is redisplayed.

Operator Response: Enter a specific queue or channel type (for example, QLOCAL).

CSQO042I On the first panel.

Explanation: A function key has been pressed that requests that the system scroll back to the previous panel, but the first panel is already being displayed.

Module: CSQORSEL

Severity: 0

System Action: The panel is redisplayed.

CSQO043I On the last panel.

Explanation: A function key has been pressed that requests that the system scroll forward to the next panel, but the last panel is already being displayed.

Module: CSQORSEL

Severity: 0

System Action: The panel is redisplayed.

CSQO045I Name too long for object type *type*.

Explanation: You specified a name that was longer than 20 characters for a channel object.

Module: CSQOREXX

Severity: 8

System Action: The panel is redisplayed.

Operator Response: Enter a shorter name.

CSQO046I No channel connections with saved status for *name*.

Explanation: You asked to display the saved status of channel connections for channel *name*, but there were none with saved status.

Module: CSQORLST

Severity: 0

System Action: The empty list panel is displayed.

CSQO047I No current channel connections for *name*.

Explanation: You asked to display the current channel connections for channel *name*, but there were none.

Module: CSQORLST

Severity: 0

System Action: The empty list panel is displayed.

CSQO048I Channel initiator is not active.

Explanation: The action you requested needs the channel initiator to be active, but it is not.

Module: CSQORLST, CSQORSEL, CSQORCTL

Severity: 0

System Action: The panel is redisplayed.

Operator Response: Start the channel initiator, and retry the command.

CSQO049I EXEC cannot be invoked as a command.

Explanation: An attempt was made to issue one of the operations and control execs as a command.

Module: CSQORATR, CSQORCMD, CSQORLST, CSQORNAM, CSQORSEL

Severity: 4

System Action: The request is ignored.

System Programmer Response: Use CSQOREXX to invoke the operations and control component.

CSQO084E Error in *pgm-name*. FTINCL *skeleton-name* failed, return code = *rc*.

Explanation: An attempt by *pgm-name* to call the ISPF FTINCL service was unsuccessful. *skeleton-name* is the name of the file tailoring skeleton that *pgm-name* was attempting to use.

Module: CSQORCMD

Severity: 12

System Action: The command is not processed, the panel is redisplayed. An ISPF message giving more details about the error might be shown first.

System Programmer Response: If *rc*=8, the system is unable to find the skeleton. If you receive this message when you are trying to

display the main panel it could be that you do not have the data set containing the skeletons in your library concatenation. Find the name of the data set containing the skeletons, then check your ISPSLIB library definitions. This will probably be in your TSO logon procedure unless you are calling CSQOREXX from a higher level exec or CLIST that has the ISPF LIBDEF calls in it.

If you are already using the panels when you get this message, either a skeleton is missing from your ISPSLIB library, or an internal error has occurred. If you are unable to solve the problem, contact your IBM support center for assistance.

If *rc* is 20 (severe error), contact your IBM support center.

CSQO085E Error in *pgm-name*. TBCREATE *table-name* failed, return code = *rc*.

Explanation: An attempt by *pgm-name* to call the ISPF TBCREATE service was unsuccessful. *table-name* is the name of the table that *pgm-name* was attempting to create.

Module: CSQORATR, CSQOREXX, CSQORLST, CSQORNAM, CSQORSEL

Severity: 12

System Action: An internal error has occurred. The current panel is redisplayed. An ISPF message giving more details about the error might be shown first.

System Programmer Response: An internal error has occurred, note the message number and the values contained in it, together with any associated ISPF message, and contact your IBM support center for assistance.

CSQO086E Error in *pgm-name*. TBDISPL *panel-name* failed, return code = *rc*.

Explanation: An attempt by *pgm-name* to call the ISPF TBDISPL service was unsuccessful. *panel-name* is the name of the panel that *pgm-name* was attempting to display.

Module: CSQORLST, CSQORNAM, CSQORPOP

Severity: 12

System Action: The system is unable to display the panel, and the last panel is redisplayed (if applicable). An ISPF message giving more details about the error might be shown first.

System Programmer Response: If *rc*=12, the system is unable to find the panel. If you receive this message when you are trying to display the main panel it could be that you do not have the data set containing the panels in your library concatenation. Find the name of the data set containing the panels, then check your ISPLIB library definitions. This will probably be in your TSO logon procedure unless you are calling CSQOREXX from a higher level exec or CLIST that has the ISPF LIBDEF calls in it.

If you are already using the panels when you get this message, either a panel is missing from your ISPLIB library, or an internal error has occurred. If you are unable to solve the problem, contact your IBM support center for assistance.

If *rc*=20, the most likely cause of the problem is that the system was unable to find the key-list which goes with the panel that it is trying to display. All the key lists are in an ISPF table (CSQOKEYS) that should be in a library in your ISPTLIB concatenation.

CSQO087E Error in *pgm-name*. SELECT *program* failed, return code = *rc*.

Explanation: An attempt by *pgm-name* to call the ISPF SELECT service was unsuccessful. *program* is the name of the program that *pgm-name* was attempting to select.

Module: CSQORATR, CSQOREXX, CSQORLST, CSQORNAM, CSQORSEL

Severity: 12

System Action: The current panel is redisplayed. An ISPF message giving more details about the error might be shown first.

System Programmer Response: The system is unable to find a load module. Check your ISPLLIB library concatenation.

CSQO088E Error in *pgm-name*. DISPLAY *panel-name* failed, return code = *rc*.

Explanation: An attempt by *pgm-name* to call the ISPF DISPLAY service was unsuccessful. *panel-name* is the name of the panel that *pgm-name* was attempting to display.

Module: CSQOREXX, CSQORPOP, CSQORSEL

Severity: 12

System Action: The system is unable to display the panel, and the last panel is redisplayed (if applicable). An ISPF message giving more details about the error might be shown first.

System Programmer Response: If *rc*=12, the system is unable to find the panel. If you receive this message when you are trying to display the main panel it could be that you do not have the data set containing the panels in your library concatenation. Find the name of the data set containing the panels, then check your ISPLIB library definitions. This will probably be in your TSO logon procedure unless you are calling CSQOREXX from a higher level exec or CLIST that has the ISPF LIBDEF calls in it.

If you are already using the panels when you get this message, either a panel is missing from your ISPLIB library, or an internal error has occurred. If you are unable to solve the problem, contact your IBM support center for assistance.

If *rc*=20, the most likely cause of the problem is that the system was unable to find the key-list which goes with the panel that it is trying to display. All the key lists are in an ISPF table (CSQOKEYS) that should be in a library in your ISPTLIB concatenation.

CSQO089E Error in *pgm-name*. *service* failed, return code = *rc*.

Explanation: An attempt by *pgm-name* to call the ISPF service (*service*) was unsuccessful.

Module: CSQORATR, CSQORCMD, CSQOREXX, CSQORLST, CSQORNAM, CSQORSEL

Severity: 12

System Action:

Service	System action
FTOPEN	The system is unable to start the file tailoring process that formats the MQSeries command. The command is not sent and the panel is redisplayed.
TBADD	An internal error has occurred. The current panel is redisplayed.
VDEFINE	An internal error has occurred. The current panel is redisplayed.
VPUT	An internal error has occurred. The current panel is redisplayed.

An ISPF message giving more details about the error might be shown first.

System Programmer Response:*service*=FTOPEN

See the *ISPF Services Guide* manual for information about *service* and *rc*. The problem has probably been caused by the ISPSLIB library not being allocated. If *rc* is 20 (severe error), contact your IBM support center.

service=VDEFINE, VPUT, or TBADD

An internal error has occurred, note the message number and the values contained in it, and contact your IBM support center for assistance.

If *service* is anything else, note the message number and the values contained in it, together with any associated ISPF message, and contact your IBM support center for assistance.

CSQO090E Internal error in *program*. Action field is not valid.

Explanation: An internal error has occurred.

Module: CSQOREXX

Severity: 12

System Programmer Response: Collect the following items, and contact your IBM support center:

- The number of the message, and the value of *program*
- The name of the panel involved
- A description of the actions that lead to the problem

CSQO091E Internal error in *program*. Object field is not valid.

Explanation: An internal error has occurred.

Module: CSQORATR

Severity: 12

System Programmer Response: Collect the following items, and contact your IBM support center:

- The number of the message, and the value of *program*
- The name of the panel involved
- A description of the actions that lead to the problem

CSQO092E Internal error in *program*. Error in reply translation.

Explanation: An internal error has occurred.

Module: CSQORATR

Severity: 12

System Programmer Response: Collect the following items, and contact your IBM support center:

- The number of the message, and the value of *program*
- The name of the panel involved
- A description of the actions that lead to the problem

CSQO093E Internal error in *program*. Tailored file is empty.

Explanation: An internal error has occurred.

Module: CSQORCMD

Severity: 12

System Programmer Response: Collect the following items, and contact your IBM support center:

- The number of the message, and the value of *program*
- The name of the panel involved
- A description of the actions that lead to the problem

CSQO095E Internal error in *program*. *service* failed, return code = *rc*.

Explanation: An internal error has occurred.

Module: CSQORATR, CSQOREXX, CSQORLST, CSQORNAM, CSQORSEL

Severity: 12

System Programmer Response: Collect the following items, and contact your IBM support center:

- The number of the message, and the values of *program* and *service*
- The name of the panel involved
- A description of the actions that lead to the problem
- Any associated ISPF message shown

CSQO096E Internal error in *program*. *att-name* not in keyword table.

Explanation: An internal error has occurred.

Module: CSQORATR

Severity: 12

System Programmer Response: Collect the following items, and contact your IBM support center:

- The number of the message, and the values of *program* and *att-name*
- The name of the panel involved
- A description of the actions that lead to the problem

CSQO097E Internal error in *program*. No handle for required system queue.

Explanation: An internal error has occurred.

Module: CSQORATR

Severity: 12

System Programmer Response: Collect the following items, and contact your IBM support center:

- The number of the message
- The name of the panel involved
- A description of the actions that lead to the problem

Buffer manager messages (CSQP...)

CSQP002I *csect-name* BUFFPOOL VALUE OUT OF RANGE

Explanation: One of the following commands has been issued incorrectly:

- DEFINE BUFFPOOL(n)
- DEFINE PSID(x) BUFFPOOL(n)

The value of n must be in the range 0 through 3.

Module: CSQPDBUF, CSQPDPDSI

Severity: 8

System Action: The command is ignored.

System Programmer Response: See the *MQSeries Command Reference* manual for information about the command, and reissue the command correctly.

CSQP003I PSID VALUE OUT OF RANGE

Explanation: The DEFINE PSID(x) command has been issued incorrectly. The value of x must be in the range 0 through 99.

Module: CSQPDPDSI

Severity: 8

System Action: The command is ignored.

System Programmer Response: See the *MQSeries Command Reference* manual for information about the command, and reissue the command correctly.

CSQP004E *csect-name* I/O ERROR STATUS *ret-code* PSID *psid* RBA *rba*

Explanation: An I/O error has occurred. *ret-code* is the return code from the Media Manager, *psid* is the identifier of the page set for which the error occurred, and *rba* is the RBA (in hexadecimal) of the record on which the error occurred.

Module: CSQP1RSW, CSQP2GET, CSQP3DWP, CSQP4DWP

Severity: 8

System Action: MQSeries terminates abnormally.

System Programmer Response: See the *MVS/DFP Diagnosis Reference* manual for information about return codes from the Media Manager. If you do not have access to the required manual, contact your IBM support center, quoting the return code from the Media Manager.

CSQP005I BUFFERS VALUE OUT OF RANGE

Explanation: The DEFINE BUFFPOOL(n) BUFFERS(x) command has been issued incorrectly. The value of x must be in the range 100 through 500000.

Module: CSQPDBUF

Severity: 8

System Action: The command is ignored.

System Programmer Response: Reissue the command correctly. The total number of buffers that it is possible to define in all the buffer pools is determined by the amount of storage available in the MQSeries address space, and will be less than 500000.

CSQP006I LOG SUBSYSTEM NAME *log-subsys-name* DOES NOT MATCH SUBSYSTEM NAME *subsys-name*

Explanation: An attempt to restart with a log from another subsystem was detected. The subsystem name recorded in the log during checkpoint does not match the name of the subsystem using that log for restart.

Module: CSQPLCUR

Severity: 8

System Action: Restart is abnormally terminated with abend code X'5C6' and reason code X'00D70102'.

System Programmer Response: Change the subsystem JCL to name the appropriate bootstrap data set, or change the subsystem name in SYS1.PARMLIB member IEFSSNxx to match *log-subsys-name*.

CSQP008I *csect-name verb-name pkw-name* MUST BE ISSUED FROM CSQINP1

Explanation: An attempt was made to issue the *verb-name* *pkw-name* command from CSQINP2 or the OS/390 console.

Module: CSQPDBUF, CSQPDPDSI

Severity: 8

System Action: The command is ignored.

System Programmer Response: Issue the command from CSQINP1. See the *MQSeries for OS/390 System Management Guide* for information about the CSQINP1 and CSQINP2 files.

CSQP009I BEGIN PAGE RECOVERY FOR PAGE SET *psid* PAGE *page-number*

Explanation: An incomplete update operation was detected for page *page-number* of page set *psid*. The page is being restored to a consistent state from information on the log.

Message CSQP010I will be issued when the page recovery operation has completed.

Module: CSQP1BRK

CSQP010I PAGE RECOVERY COMPLETE FOR PAGE SET *psid* PAGE *page-number*

Explanation: An incomplete update operation was detected for page *page-number* of page set *psid*. The page has been restored to a consistent state from information on the log.

Module: CSQP1BRK

CSQP011I CONNECT ERROR STATUS *ret-code* FOR PAGE SET *psid*

Explanation: An attempt to open a page set was unsuccessful. *psid* is the page set identifier and *ret-code* is the return code from the Data Facilities Product (DFP) CONNECT function.

Module: CSQP1CON

Severity: 8

System Action: MQSeries continues running, but you will be unable to access the data contained in *psid*.

Note: If MQSeries is running with one or more page sets missing, you could encounter problems during restart, or when attempting to open a queue.

System Programmer Response: See the *MVS/DFP Diagnosis Reference* manual for information about return codes from the Media Manager. If you do not have access to the required manual, contact your IBM support center, quoting the return code from the Media Manager.

CSQP012I DISCONNECT ERROR STATUS *ret-code* FOR PAGE SET *psid*

Explanation: An attempt to close a page set was unsuccessful. *psid* is the page set identifier and *ret-code* is the return code from the Media Manager.

Module: CSQP1DSC

Severity: 8

System Action: MQSeries shutdown continues, but some information might be missing from the page set. This will be corrected from the log during MQSeries restart.

System Programmer Response: See the *MVS/DFP Diagnosis Reference* manual for information about return codes from the Media Manager. If you do not have access to the required manual, contact your IBM support center, quoting the return code from the Media Manager.

CSQP013I *csect-name* NEW EXTENT CREATED FOR PAGE SET *psid*. NEW EXTENT WILL NOW BE FORMATTED

Explanation: Page set *psid* has been dynamically expanded by creating a new extent.

Module: CSQPEXT1

Severity: 0

System Action: The new extent is formatted; message CSQI0311 will be issued when formatting completes successfully.

System Programmer Response: The page set can only be expanded 123 times. After this you will have to reallocate the page set using larger primary and secondary extents. For information about how to do this, see the *MQSeries for OS/390 System Management Guide*.

CSQP014I *csect-name* PAGE SET EXPANSION HAS FAILED FOR PAGE SET *psid*. ALL FUTURE REQUESTS TO EXTEND THIS PAGE SET WILL BE REJECTED

Explanation: An attempt to expand a page set dynamically was unsuccessful.

Module: CSQPEXT1

Severity: 8

System Action: Processing continues

System Programmer Response: Look for messages from VSAM or DFP that explain why the request was unsuccessful, and do the required actions.

If you have received message IEC070I, and the *return code* (the first value in the message) is 203, an extend was attempted, but no secondary space allocation quantity was specified. If the value of *return code* was 204, an extend was attempted, but the maximum number of extents was reached. The maximum number of extents for a VSAM data set cataloged in an ICF catalog is between 119 and 123, depending upon the number of extents (1-5) allocated by DADSM per allocate/extend request.

Note: DFP uses up to five non-contiguous areas of disk to satisfy the total space requirements of a primary or secondary extent. This means, in the worst case of badly fragmented

disk space, that you might only get around 22 times the secondary space allocated before you reach the maximum space limit.

CSQP016I *csect-name* PAGE SET *psid* HAS REACHED THE MAXIMUM NUMBER OF EXTENTS. IT CANNOT BE EXTENDED AGAIN

Explanation: An attempt to expand page set *psid* dynamically was unsuccessful because the maximum number of extents had been used.

Module: CSQPEXT1, CSQP1CON

Severity: 8

System Action: The page set cannot be extended again. When the messages on the full page set are retrieved, the existing space will be reused.

System Programmer Response: Copy the page set to a new page set with larger primary and secondary extents. By defining the page set as a multivolume data set, you can take advantage of the free space on as many disk volumes as possible. See *MQSeries Planning Guide* and *MQSeries for OS/390 System Management Guide* for more information about page set organization and management.

CSQP017I *csect-name* PAGE SET EXPANSION IS STARTING FOR PAGE SET *psid*

Explanation: Page set *psid* is being expanded dynamically.

Module: CSQPEXP1

Severity: 0

System Action: All threads that are currently adding message to page set *psid* are suspended until the page set expansion completes (this is indicated by message CSQP013I).

CSQP018I *csect-name* CHECKPOINT STARTED FOR ALL BUFFER POOLS

Explanation: A checkpoint is being taken for all defined buffer pools.

Module: CSQP1DWP

Severity: 0

CSQP019I *csect-name* CHECKPOINT COMPLETED FOR BUFFER POOL *n*, *pages* PAGES WRITTEN

Explanation: A checkpoint has been successfully taken for buffer pool *n*.

Module: CSQP1DWP

Severity: 0

CSQP020E *csect-name* Buffer pool *n* is too small *psid*

Explanation: Contention is taking place for buffers in a buffer pool. Messages will have to be read from and written to the page sets, which increases the time to process an application request and increases the amount of CPU time used.

Severity: 8

System Action: Processing continues.

System Programmer Response: Stop the queue manager as soon as possible. Increase the number of buffers on the DEFINE BUFFPOOL command in the CSQINP1 input data set used by the queue manager.

IMS adapter messages (CSQQ...)

CSQQ000I IMS/TM *iiii* connected to queue manager *qqqq*

Explanation: This message is produced at the IMS master terminal when the IMS control region for IMS system *iiii* has successfully connected to MQSeries subsystem *qqqq*.

Module: CSQQIDEN

Severity: 0

CSQQ001I IMS/TM *iiii* not connected to queue manager *qqqq*. Notify message accepted

Explanation: This message is produced at the IMS master terminal when the IMS control region for IMS system *iiii* has tried to connect to MQSeries subsystem *qqqq* but MQSeries is not yet ready to make connections.

Module: CSQQIDEN

Severity: 0

System Action: MQSeries has accepted the notify message from IMS and when it is ready to make connections MQSeries will issue the OS/390 MODIFY IMS command to cause IMS to attempt to make the connection again. IMS applications can not access MQSeries resources until the connection is made.

Operator Response: Look for other errors in MQSeries that might prevent it becoming ready, and notify system programmer.

System Programmer Response: Resolve any other MQSeries problems.

Problem Determination: You might find the following items useful in resolving the problem:

- Symptom string
- Printout of SYS1.LOGREC
- MQSeries job log
- PSW and registers at point of failure
- Copy of the IMS log

CSQQ002E IMS/TM *iiii* failed to connect to queue manager *qqqq*, *rc=rrrr*

Explanation: This message is produced at the IMS master terminal when the IMS control region for IMS system *iiii* has failed to connect to MQSeries subsystem *qqqq*. *rrrr* is the MQSeries reason code for the failure.

Module: CSQQIDEN

Severity: 12

System Action: The IMS control region, and dependent regions are not connected to MQSeries. Any request from IMS applications for MQSeries resources will result in failure with an MQSeries reason code.

Operator Response: Notify system programmer.

System Programmer Response: Refer to Appendix A, "API completion and reason codes" for information about *rrrr* to determine the nature of the error.

Problem Determination: You might find the following items useful in resolving the problem:

- Symptom string
- Printout of SYS1.LOGREC
- MQSeries job log
- Copy of the IMS log

CSQQ003E IMS/TM *iiii* create thread failed while connecting to queue manager *qqqq*, *rc=rrrr*

Explanation: This message is produced at the IMS master terminal when the IMS control region for IMS system *iiii* has failed to connect to MQSeries subsystem *qqqq*. *rrrr* is the MQSeries reason code for the failure from MQSeries create thread function.

Module: CSQQIDEN

Severity: 12

System Action: The IMS control region, and dependent regions are not connected to MQSeries. Any request from IMS applications for MQSeries resources will result in failure with an MQSeries reason code.

Operator Response: Notify system programmer.

System Programmer Response: Refer to Appendix A, "API completion and reason codes" for information about *rrrr* to determine the cause of the problem.

Problem Determination: You might find the following items useful in resolving the problem:

- Printout of SYS1.LOGREC
- MQSeries job log
- Copy of the IMS log

CSQQ004E IMS/TM *iiii* inquire indoubt failed while connecting to queue manager *qqqq*, *rc=rrrr*

Explanation: This message is produced at the IMS master terminal when the IMS control region for IMS system *iiii* has failed to connect to MQSeries subsystem *qqqq*. *rrrr* is the MQSeries reason code for the failure from the MQSeries inquire indoubt function.

Module: CSQQIDEN

Severity: 12

System Action: The IMS control region, and dependent regions are not connected to MQSeries. Any request from IMS applications for MQSeries resources will result in failure with an MQSeries reason code.

Operator Response: Notify system programmer.

System Programmer Response: Refer to Appendix A, "API completion and reason codes" for information about *rrrr* to determine the nature of the error.

Problem Determination: You might find the following items useful in resolving the problem:

- Printout of SYS1.LOGREC
- MQSeries job log
- Copy of the IMS log

CSQQ005E IMS/TM *iiii* establish exit failed while connecting to queue manager *qqqq*, *rc=rrrr*

Explanation: This message is produced at the IMS master terminal when the IMS control region for IMS system *iiii* has failed to connect to MQSeries subsystem *qqqq*. *rrrr* is the MQSeries reason code for the failure from MQSeries establish exit function.

Module: CSQQIDEN

Severity: 12

System Action: The IMS control region, and dependent regions are not connected to MQSeries. Any request from IMS applications

for MQSeries resources will result in failure with an MQSeries reason code.

Operator Response: Notify system programmer.

System Programmer Response: Refer to Appendix A, "API completion and reason codes" for information about *rrrr* to determine the cause of the error.

Problem Determination: You might find the following items useful in resolving the problem:

- Printout of SYS1.LOGREC
- MQSeries job log
- Copy of the IMS log

CSQQ007E IMS/TM *iiii* resolve indoubt failed while connecting to queue manager *qqqq*, rc=*rrrr*

Explanation: This message is produced at the IMS master terminal when MQSeries has failed to resolve indoubt units of recovery during the connection process. *rrrr* is the MQSeries reason code for the resolve in-doubt function failure.

Module: CSQQRESV

Severity: 4

System Action: The IMS control region, and dependent regions are connected to MQSeries. IMS applications can access MQSeries resources.

Operator Response: Notify system programmer.

System Programmer Response: See the *MQSeries for OS/390 System Management Guide* for information about resolving the MQSeries unit of recovery associated with the in-doubt IMS unit of work.

Problem Determination: You might find the following items useful in resolving the problem:

- Symptom string
- Printout of SYS1.LOGREC
- MQSeries job log
- IMS and MQSeries log records

CSQQ008I *nn* units of recovery are still in doubt in queue manager *qqqq*

Explanation: This message is produced at the IMS master terminal when MQSeries has units of recovery still in doubt after all the IMS units of work have been resolved.

Module: CSQQRESV

Severity: 4

System Action: The IMS control region, and dependent regions are connected to MQSeries. IMS applications can access MQSeries resources.

Operator Response: Notify system programmer.

System Programmer Response: See the *MQSeries for OS/390 System Management Guide* for information about resolving the MQSeries unit of recovery associated with the in-doubt IMS unit of work.

Problem Determination: You might find the following items useful in resolving the problem:

- IMS and MQSeries log records

CSQQ010E Error resolving unit of recovery *uuuu* (OASN *nnnn*) in queue manager *qqqq*, rc=*rrrr*

Explanation: This message is produced at the IMS master terminal when MQSeries is unable to resolve an indoubt unit of recovery. *uuuu* is the unit of work identifier in the same format as the reply from the DISPLAY THREAD command. *nnnn* is the IMS OASN (origin application sequence number), in decimal format.

Module: CSQQRESV

Severity: 4

System Action: The IMS control region, and dependent regions are connected to MQSeries. IMS applications can access MQSeries resources.

Operator Response: Notify system programmer.

System Programmer Response: See the *MQSeries for OS/390 System Management Guide* for information about resolving the MQSeries unit of recovery associated with the in-doubt IMS unit of work.

Problem Determination: You might find the following items useful in resolving the problem:

- IMS and MQSeries log records
- MQSeries job log

CSQQ011E IMS/TM *iiii* terminate identify failed for connection to queue manager *qqqq*, rc=*rrrr*

Explanation: This message is produced at the IMS master terminal when the IMS control region for IMS system *iiii* has failed to disconnect from the MQSeries subsystem *qqqq*. *rrrr* is the return code for the failure from the MQSeries terminate identify function.

Module: CSQQTMID

Severity: 12

System Action: The IMS control region, and dependent regions are not connected to MQSeries. Any request from IMS applications for MQSeries resources will result in failure with an MQSeries reason code.

Operator Response: Notify system programmer.

System Programmer Response: Refer to Appendix A, "API completion and reason codes" for information about *rrrr* to determine the cause of the error.

Problem Determination: You might find the following items useful in resolving the problem:

- Printout of SYS1.LOGREC
- MQSeries job log
- Copy of the IMS log

CSQQ013I MQSeries commands cannot be issued using the /SSR command

Explanation: This message is produced at the IMS master terminal when the /SSR IMS command is used to issue an MQSeries command; MQSeries commands cannot be issued in this way.

Module: CSQQCMND

Severity: 4

System Action: None

Operator Response: Issue the MQSeries command from the OS/390 console.

CSQQ100I *psb-name region-id* **Processing queue manager name**

Explanation: This message identifies the queue manager that this instance of the IMS trigger monitor is connected to. *region-id* is the last four digits of the region identifier, or blank. This message is followed by message CSQQ110I, indicating the name of the initiation queue.

Module: CSQQTRMN

Severity: 0

CSQQ101E *psb-name region-id* **Cannot open the initiation queue,**
MQCC=*mqqc* MQRC=*mqrq*

Explanation: CSQQTRMN has attempted to open an initiation queue, but the attempt was unsuccessful (for example, because the queue was not defined). *mqqc* and *mqrq* give the reason for the problem. *region-id* is the last four digits of the region identifier, or blank.

Module: CSQQTRMN

Severity: 8

System Action: CSQQTRMN ends.

System Programmer Response: Refer to Appendix A, "API completion and reason codes" for information about *mqqc* and *mqrq*, determine the cause of the problem, and restart CSQQTRMN.

CSQQ102E *psb-name region-id* **An IMS dl1-function call returned**
pcb-status

Explanation: A trigger message has been retrieved from the initiation queue which defines an IMS transaction to be started. However, the transaction cannot be started (for example, it cannot be found). *region-id* is the last four digits of the region identifier, or blank. *pcb-status* is the status code returned by IMS from the last *dl1-function* call.

Module: CSQQTRMN

Severity: 4

System Action: The trigger message is sent to the dead-letter queue. CSQQTRMN processes the next message.

System Programmer Response: See the *IMS/ESA Application Programming: Data Communication* manual for information about *pcb-status*. Examine the trigger message on the dead-letter queue to find the IMS transaction name. Determine the reason for the problem, and restart the transaction.

CSQQ103E *psb-name region-id* **CSQQTRMN read a trigger**
message with an incorrect MQTM-StrucId of *struc-id*

Explanation: A trigger message has been retrieved, but the structure identifier of the message is not MQTM_STRUC_ID and so is not compatible with this version of CSQQTRMN. *region-id* is the last four digits of the region identifier, or blank.

Module: CSQQTRMN

Severity: 4

System Action: The trigger message is sent to the dead-letter queue. CSQQTRMN processes the next message.

System Programmer Response: Check the header of the message on the dead-letter queue. This will tell you where the trigger message came from. Correct the process that created the trigger message.

CSQQ104E *psb-name region-id* **CSQQTRMN does not support**
version *version*

Explanation: A trigger message has been retrieved, but the version identifier in MQTM is not version 1, and so is not compatible with this version of CSQQTRMN. *region-id* is the last four digits of the region identifier, or blank.

Module: CSQQTRMN

Severity: 4

System Action: The trigger message is sent to the dead-letter queue. CSQQTRMN processes the next message.

System Programmer Response: Check the header of the message on the dead-letter queue. This will tell you where the trigger message came from. Correct the process that created the trigger message.

CSQQ105E *psb-name region-id* **CSQQTRMN cannot start a**
process type of *type*

Explanation: A trigger message has been retrieved, but the process type in MQTM is not IMS, and so cannot be processed by this version of CSQQTRMN. *region-id* is the last four digits of the region identifier, or blank.

Module: CSQQTRMN

Severity: 4

System Action: The trigger message is sent to the dead-letter queue. CSQQTRMN processes the next message.

System Programmer Response: Check the header of the message on the dead-letter queue. This will tell you where the trigger message came from. Correct the process that created the trigger message.

CSQQ106E *psb-name region-id* **MQGET error, MQCC=*mqqc***
MQRC=*mqrq*. CSQQTRMN will end.

Explanation: An attempt to issue an MQGET call on the initiation queue has been unsuccessful. *region-id* is the last four digits of the region identifier, or blank. This message is followed by message CSQQ110I, indicating the name of the queue.

Module: CSQQTRMN

Severity: 8

System Action: CSQQTRMN ends.

System Programmer Response: Refer to Appendix A, "API completion and reason codes" for information about *mqqc* and *mqrq* to determine the cause of the problem. Restart CSQQTRMN.

CSQQ107E *psb-name region-id* **Cannot connect to the queue**
manager, MQCC=*mqqc* MQRC=*mqrq*

Explanation: An attempt by the trigger monitor to connect to the queue manager identified in message CSQQ100I was unsuccessful. *region-id* is the last four digits of the region identifier, or blank.

Module: CSQQTRMN

Severity: 8

System Action: CSQQTRMN ends.

System Programmer Response: Refer to Appendix A, "API completion and reason codes" for information about *mqqc* and *mqrq* to determine the cause of the problem.

CSQQ108I *psb-name region-id* **LTERM** *lterm-name* not available.
Switched to MASTER

Explanation: The LTERM specified to receive diagnostic messages cannot be used.

Module: CSQQTRMN

Severity: 4

System Action: Messages are sent to the master terminal.

System Programmer Response: Resolve why *lterm-name* was not available.

CSQQ109E *psb-name region-id* **MQCLOSE error, MQCC=mqcc**
MQRC=mqrc

Explanation: An attempt has been made to close a dead-letter queue, but the **MQCLOSE** call was unsuccessful. *region-id* is the last four digits of the region identifier, or blank. This message is followed by message CSQQ110I, indicating the name of the queue.

Module: CSQQTRMN

Severity: 8

System Action: CSQQTRMN ends.

System Programmer Response: Refer to Appendix A, "API completion and reason codes" for information about *mqcc* and *mqrc* to determine the cause of the problem.

CSQQ110I Queue name = *q-name*

Explanation: This message follows other messages and identifies the name of the queue in question. The accompanying messages indicate the event or problem associated with the queue.

Module: CSQQTRMN

Severity: 0

CSQQ111E *psb-name region-id* **CSQQTRMN read a trigger**
message with an incorrect length of length

Explanation: This message is issued if the transaction CSQQTRMN receives a trigger message that does not match the MQTM control block. *region-id* is the last four digits of the region identifier, or blank.

Module: CSQQTRMN

Severity: 4

System Action: The message is sent to the dead-letter queue.

System Programmer Response: Look at the message on the dead-letter queue to establish why it did not match MQTM.

CSQQ112E *psb-name region-id* **MQOPEN error, MQCC=mqcc**
MQRC=mqrc

Explanation: An **MQOPEN** call has been unable to open a queue. *region-id* is the last four digits of the region identifier, or blank. This message is followed by message CSQQ110I indicating the name of the queue.

Module: CSQQTRMN

Severity: 8

System Action: CSQQTRMN ends.

System Programmer Response: Refer to Appendix A, "API completion and reason codes" for information about *mqcc* and *mqrc* to determine the cause of the problem.

CSQQ113I *psb-name region-id* **This message cannot be processed**

Explanation: When an attempt to process a message using an MQ call was unsuccessful, an attempt was made to put the message on the dead-letter queue. This was also unsuccessful and the *message-id* has been sent to the LTERM. *region-id* is the last four digits of the region identifier, or blank. This message is followed by message CSQ118I, indicating the message identifier.

Module: CSQQTRMN

Severity: 0

System Action: Processing continues.

System Programmer Response: Check for previous messages explaining why the dead-letter queue was not available (if a dead-letter queue has not been defined, no other messages relating to the problem will have been issued).

CSQQ114E *psb-name region-id* **MQINQ error, MQCC=mqcc**
MQRC=mqrc

Explanation: An attempt to use the **MQINQ** call to inquire about the attributes of a queue was unsuccessful. *region-id* is the last four digits of the region identifier, or blank. This message is followed by message CSQQ110I indicating the name of the queue.

Module: CSQQTRMN

Severity: 8

System Action: CSQQTRMN ends.

System Programmer Response: Refer to Appendix A, "API completion and reason codes" for information about *mqcc* and *mqrc* to determine why an **MQINQ** call could not be made on the queue.

CSQQ115I *psb-name region-id* **Ending following termination of**
queue manager connection

Explanation: CSQQTRMN has terminated because the connection to MQSeries is no longer available.

Module: CSQQTRMN

Severity: 0

CSQQ116E *psb-name region-id* **Cannot open the queue manager,**
MQCC=mqcc MQRC=mqrc

Explanation: An **MQOPEN** call to the queue manager was unsuccessful. *region-id* is the last four digits of the region identifier, or blank.

Module: CSQQTRMN

Severity: 8

System Action: CSQQTRMN ends.

System Programmer Response: Refer to Appendix A, "API completion and reason codes" for information about *mqcc* and *mqrc* to determine the cause of the problem.

CSQQ117E *psb-name region-id* **Cannot query the queue manager,**
MQCC=mqcc MQRC=mqrc

Explanation: An **MQINQ** call to the queue manager was unsuccessful. *region-id* is the last four digits of the region identifier, or blank.

Module: CSQQTRMN

Severity: 8

System Action: CSQQTRMN ends.

System Programmer Response: Refer to Appendix A, “API completion and reason codes” for information about *mqcc* and *mqr* to determine the cause of the problem.

CSQQ118I *MsgID=msg-id*

Explanation: This message follows message CSQQ113I, indicating the hexadecimal identifier of the message that could not be processed.

Module: CSQQTRMN

Severity: 0

CSQQ119E *psb-name region-id* **Error rc from STORAGE OBTAIN**

Explanation: CSQQTRMN tried to obtain virtual storage, but received return code *rc* from OS/390.

Module: CSQQTRMN

Severity: 8

System Action: CSQQTRMN ends.

System Programmer Response: Determine the reason for the return code from the STORAGE OBTAIN request, and restart CSQQTRMN.

CSQQ120E *psb-name region-id* **MQPUT error, MQCC=mqcc MQRC=mqr**

Explanation: An attempt was made to put a message on a queue with an **MQPUT** call, but the attempt was unsuccessful. *region-id* is the last four digits of the region identifier, or blank. This message is followed by message CSQQ110I indicating the name of the queue.

Module: CSQQTRMN

Severity: 8

System Action: CSQQTRMN ends.

System Programmer Response: Refer to Appendix A, “API completion and reason codes” for information about *mqcc* and *mqr* to determine why an **MQPUT** call could not be made for the queue.

CSQQ121E *psb-name region-id* **Dead-letter queue is not defined for the queue manager**

Explanation: A dead-letter queue has not been defined for the queue manager. *region-id* is the last four digits of the region identifier, or blank.

Module: CSQQTRMN

Severity: 4

System Action: The trigger message is discarded, and the process can not be started.

System Programmer Response: Define a dead-letter queue if one is required.

CSQQ122E *psb-name region-id* **Cannot close the queue manager, MQCC=mqcc MQRC=mqr**

Explanation: CSQQTRMN was unable to close the queue manager after inquiring about the dead-letter queue. *region-id* is the last four digits of the region identifier, or blank.

Module: CSQQTRMN

Severity: 8

System Action: CSQQTRMN ends.

System Programmer Response: Refer to Appendix A, “API completion and reason codes” for information about *mqcc* and *mqr* to determine the cause of the problem.

CSQQ123E *psb-name region-id* **The dead-letter queue type is not QLOCAL**

Explanation: The dead-letter queue defined was not of type local. *region-id* is the last four digits of the region identifier, or blank. This message is followed by message CSQQ110I, indicating the name of the queue.

Module: CSQQTRMN

Severity: 4

System Action: The message is not put to the dead-letter queue.

System Programmer Response: Define the dead-letter queue as a local queue.

CSQQ124E *psb-name region-id* **The dead-letter queue usage is not NORMAL**

Explanation: The dead-letter queue defined is not of usage type normal. *region-id* is the last four digits of the region identifier, or blank. This message is followed by message CSQQ110I, indicating the name of the queue.

Module: CSQQTRMN

Severity: 4

System Action: The message is not put to the dead-letter queue.

System Programmer Response: Define the dead-letter queue to have usage type normal.

CSQQ125E *psb-name region-id* **No initiation queue identified**

Explanation: CSQQTRMN did not find the initiation queue name in the input parameters.

Module: CSQQTRMN

Severity: 8

System Action: CSQQTRMN ends.

System Programmer Response: Examine the input parameters and look for other error messages to determine the reason for the failure. Restart CSQQTRMN.

CSQQ126E *psb-name region-id* **An IMS call call returned pcb-status**

Explanation: A status code of *pcb-status* was returned from a DLI call.

Module: CSQQTRMN

Severity: 8

System Action: CSQQTRMN ends.

System Programmer Response: Determine the reason for the status code, and restart CSQQTRMN.

CSQQ150I *csect-name* **IBM MQSeries for OS/390 – version**

Explanation: This message is issued as part of the header to the report issued by the IMS trigger monitor program.

Module: CSQQTRGI

Severity: 0

CSQQ151I *csect-name* **Trigger Monitor Input Report –**

Explanation: This message is issued as part of the header to the report issued by the IMS trigger monitor program.

Module: CSQQTRGI

Severity: 0

CSQQ152I *csect-name* **Unable to OPEN CSQQUT1 data set**

Explanation: The IMS trigger monitor was unable to open the data set containing input control statements.

Module: CSQQTRGI

Severity: 8

System Action: Default values are used for the options.

System Programmer Response: Examine the error message that has been sent to the JES log to determine the reason for the error. Check that the data set has been correctly specified.

CSQQ153I *csect-name* **First token is not a valid keyword**

Explanation: The input control statement does not start with a valid keyword.

Module: CSQQTRGI

Severity: 8

System Action: The statement is ignored.

System Programmer Response: See the *MQSeries for OS/390 System Management Guide* for information about the correct syntax required for the statement.

CSQQ159I *csect-name* **Trigger monitor options:**

Explanation: The IMS trigger monitor has finished processing input control statements. The options that will be used follow.

Module: CSQQTRGI

Severity: 0

Recovery manager messages (CSQR...)

CSQR001I RESTART INITIATED

Explanation: This message delimits the beginning of the restart process within startup. The phases of restart are about to begin. These phases are necessary to restore the operational environment to that which existed at the time of the previous termination and to perform any recovery actions that might be necessary to return MQSeries-managed resources to a consistent state.

Module: CSQRRPRC

Severity: 0

CSQR002I RESTART COMPLETED

Explanation: This message delimits the completion of the restart process within startup.

Module: CSQRRPRC

Severity: 0

CSQR003I RESTART...PRIOR CHECKPOINT RBA=xxxxxxxxxxxx

Explanation: The message indicates the first phase of the restart process is in progress and identifies (as xxxxxxxxxxxx) the log positioning RBA of the checkpoint from which the restart process will obtain its initial recovery information.

Module: CSQRRCSR

Severity: 0

CSQR004I RESTART...UR STATUS COUNTS IN COMMIT=nnnn, INDOUBT=nnnn, INFLIGHT=nnnn, IN BACKOUT=nnnn

Explanation: This message indicates the completion of the first phase of the restart process. The counts indicate the number of units of recovery whose execution state during a previous MQSeries termination was such that (to ensure MQSeries resource consistency) some recovery action must be performed during this restart process. The counts might provide an indication of the time required to perform the remaining two phases of restart (forward and backward recovery).

The IN COMMIT count specifies the number that had started, but not completed, phase-2 of the commit process. These must undergo forward recovery to complete the commit process.

The INDOUBT count specifies the number that were interrupted between phase-1 and phase-2 of the commit process. These must undergo forward recovery to ensure that resources modified by them are unavailable until their INDOUBT status is resolved.

The INFLIGHT count specifies the number that neither completed phase-1 of the commit process nor began the process of backing out. These must undergo backward recovery to restore resources modified by them to their previous consistent state.

The IN BACKOUT count specifies the number that were in the process of backing out. These must undergo backward recovery to restore resources modified by them to their previous consistent state.

Module: CSQRRCSR

CSQR005I RESTART...COUNTS AFTER FORWARD RECOVERY IN COMMIT=nnnn, INDOUBT=nnnn

Explanation: The message indicates the completion of the forward recovery restart phase. The counts indicate the number of units of recovery whose recovery actions could not be completed during the phase. Typically, those in an IN COMMIT state remain because the recovery actions of some subcomponents have not been completed. Those units of recovery in an INDOUBT state will remain until connection is made with the subsystem that acts as their commit coordinator.

Module: CSQRRHSR

Operator Response: No action is required unless the conditions persist beyond some installation-defined period of time. Recovery action will be initiated when the resource is brought online. Indoubt resolution will be initiated as part of the process of reconnecting the subsystems.

CSQR006I RESTART...COUNTS AFTER BACKWARD RECOVERY INFLIGHT=nnnn, IN BACKOUT=nnnn

Explanation: The message indicates the completion of the backward recovery restart phase. The counts indicate the number of units of recovery whose recovery actions could not be completed during the phase. Typically, those in either state remain because the recovery actions of some subcomponents have not been completed.

Module: CSQRRRAUB

Operator Response: No action is required unless the condition persists beyond some installation-defined period of time. Recovery action will be initiated when the resource collection is brought online.

CSQR007I STATUS TABLE

Explanation: This message precedes a table showing the status of units of recovery (URs) after each restart phase. The message and the table will accompany the CSQR004I, CSQR005I, or CSQR006I message after each nested phase. At the end of the first phase, it shows the status of any URs that require processing. At the end of the second (forward recovery) and third (backout) phases, it shows the status of only those URs which needed processing but were not processed. The table helps to identify the URs that were active when MQSeries stopped, and to determine the log scope required to restart MQSeries.

The format of the table is:

T	CON-ID	THREAD-XREF	S	URID	TIME
---	--------	-------------	---	------	------

The columns contain the following information:

- | | |
|--------|--|
| T | Connection type. The values can be: |
| B | Batch: a batch program |
| I | Internal: a system service being performed on some user's behalf |
| R | RRS: an RRS-coordinated batch program |
| S | Subsystem: work that originated from an attached subsystem, (either CICS or IMS). |
| CON-ID | Connection identifier for related URs. Batch connections are not related to any other connection. Subsystem connections with the same identifier indicate URs that originated from the same subsystem. |

THREAD-XREF

The recovery thread cross-reference identifier associated with the thread; see the *MQSeries for OS/390 System Management Guide* for more information.

- S Restart status of the UR. When MQSeries stopped, the UR was in one of these situations:
- A INBACKOUT: the UR was in the 'must-complete' phase of backout, and is yet to be completed
 - C INCOMMIT: the UR was in the 'must-complete' phase of commit, and is yet to be completed
 - D INDOUBT: the UR had completed the first phase of commit, but MQSeries had not received the second phase instruction (the UR must be remembered so that it can be resolved when the owning subsystem reattaches)
 - F INFLIGHT: the UR had not completed the first phase of commit, and will be backed out.
- URID UR identifier, the log RBA of the beginning of this unit of recovery. It is the earliest RBA required to process the UR during restart.
- TIME The time the UR was created, in the format *yyyy-mm-dd hh:mm:ss*. It is approximately the time of the first MQI call of the application or the first MQI call following a commit point.

Module: CSQRUDIS

CSQR009E STORAGE IS NOT AVAILABLE FOR THE UR DISPLAY TABLE, SIZE REQUESTED=xxxx, REASON CODE=yyyyyyyy

Explanation: There was not enough storage available during the creation of the recoverable UR (unit of recovery) display table.

Module: CSQRRCSR

System Action: The system continues to restart but the status table is not displayed.

System Programmer Response: Increase the region size of the xxxxMSTR region before restarting MQSeries.

Operator Response: Save the console output and inform the system programmer.

Problem Determination: The size requested is approximately 110 bytes for each unit of recovery (UR). See the message CSQR004I to determine the total number of URs to process. Use this value with the storage manager reason code from this message to determine the reason for the shortage. The reason codes are documented in "Storage manager codes (X'E2')."

CSQR010E AN ERROR OCCURRED IN THE RURE STATUS TABLE SORT/TRANSLATE MODULE (CSQRUSOR), ERROR LOCATION CODE=xxxx

Explanation: An internal error has occurred.

Module: CSQRRCSR

System Action: The system continues to restart but the status table is not displayed.

Operator Response: Save the console output and inform the system programmer.

System Programmer Response: Note the error code in the message and contact your IBM support center.

CSQR011E AN ERROR OCCURRED IN THE RURE STATUS TABLE DISPLAY MODULE (CSQRUDIS), ERROR LOCATION CODE=xxxx

Explanation: An internal error has occurred.

Module: CSQRRCSR, CSQRRHSR, CSQRRRAUB

System Action: The system continues to restart but the status table is not displayed.

Operator Response: Save the console output and inform the system programmer.

System Programmer Response: Note the error code in the message and contact your IBM support center.

CSQR016E STARTRBA xxxxxxxxxxxx VALIDATION FAILED

Explanation: A scan from the STARTRBA could not find a complete log record. Either the entire log was scanned and no complete record was found, or the log manager found an invalid log record. The log manager sends the error messages to the console indicating an incorrect log record.

Module: CSQRRPRC

System Action: Restart abends.

Operator Response: Record the log manager message numbers and inform the system programmer.

System Programmer Response: Use CSQ1LOGP to determine a STARTRBA to use for restart. The recovery manager uses the STARTRBA as a starting point for its search of the beginning of a valid log record.

Utilities messages (CSQU...)

CSQU000I *csect-name* IBM MQSeries for OS/390 – *version*

Explanation: This message is issued as part of the header to the messages that indicate the progress of the utility program.

It is produced each time the utility is invoked.

Module: CSQUTIL

Severity: 0

CSQU001I *csect-name* Queue Manager Utility – *date time*

Explanation: This message follows message CSQU000I as part of the header to the messages that indicate the progress of the MQSeries utility program.

Module: CSQUTIL

Severity: 0

System Action: The message is followed by a copy of the function statements from the SYSIN data set.

CSQU002E *csect-name* Unable to GETMAIN Storage of size *number* bytes. Return code=*ret-code*

Explanation: An attempt to obtain some storage failed.

Module: CSQUTIL

Severity: 8

System Action: The function is terminated, and any queue updates are backed out.

System Programmer Response: See the *MVS Programming: Assembler Services Reference* manual for information about the return code from the GETMAIN request.

CSQU003E *csect-name* Unable to FREEMAIN Storage at *address* Return code=*ret-code*

Explanation: An attempt to release storage at address *address* back to the system failed.

Module: CSQUTIL

Severity: 8

System Action: The program usually ignores the error and continues with its function.

System Programmer Response: See the *MVS Programming: Assembler Services Reference* manual for information about the return code from the FREEMAIN request.

CSQU005I *csect-name* COMMIT successfully completed

Explanation: An MQCMIT call returned a completion code of MQCC_OK.

Module: CSQUTIL

Severity: 0

System Action: The function had completed normally before this routine was called.

CSQU006I *csect-name* BACKOUT successfully completed

Explanation: An MQBACK call returned a completion code of MQCC_OK.

Module: CSQUTIL

Severity: 0

System Action: Some other error caused this routine to be called.

CSQU007E *csect-name* MQCMIT failed. MQCC=*mqcc* MQRC=*mqrc*

Explanation: The MQSeries utility program was unable to commit the last set of changes.

Module: CSQUTIL

Severity: 8

System Action: The updates are backed out, and the function is terminated.

System Programmer Response: Refer to Appendix A, "API completion and reason codes" for information about *mqcc* and *mqrc*. Resubmit the job if required.

CSQU008E *csect-name* MQBACK failed. MQCC=*mqcc* MQRC=*mqrc*

Explanation: The MQSeries utility program was unable to back out the last set of changes.

Module: CSQUTIL

Severity: 8

System Action: None, the function is already being terminated because of the error that led to attempting the backout.

System Programmer Response: Refer to Appendix A, "API completion and reason codes" for information about *mqcc* and *mqrc*. Resubmit the job if required.

CSQU009E *csect-name* MQCONN failed for *subsys-id*. MQCC=*mqcc* MQRC=*mqrc*

Explanation: An attempt to connect to queue manager *subsys-id* was unsuccessful.

Module: CSQUTIL

Severity: 8

System Action: The requested function is not performed.

System Programmer Response: Refer to Appendix A, "API completion and reason codes" for information about *mqcc* and *mqrc*. Resubmit the job if required.

CSQU010E *csect-name* MQDISC failed for *subsys-id*. MQCC=*mqcc* MQRC=*mqrc*

Explanation: An attempt to disconnect from queue manager *subsys-id* was unsuccessful.

Module: CSQUTIL

Severity: 4

System Action: The MQSeries utility program terminates (this is not an error, because the disconnection request is the last function that the MQSeries utility program processes).

System Programmer Response: Refer to Appendix A, "API completion and reason codes" for information about *mqcc* and *mqrc*.

CSQU011I *csect-name* **Commands from CSQINPX - date time**

Explanation: This message follows message CSQU000I as part of the header to the messages that indicate the progress of the MQSeries utility program.

It is produced when the utility is invoked by distributed queuing to handle the CSQINPX data set.

Module: CSQUTIL

Severity: 0

CSQU012I *csect-name* **Initialization command handling completed**

Explanation: The initialization command handler, which processes the CSQINPX command data set, completed successfully.

Module: CSQUTIL

Severity: 0

CSQU013E *csect-name* **Initialization command handling failed, RC=return-code**

Explanation: The initialization command handler, which processes the CSQINPX command data set, did not complete successfully. *return-code* shows the type of error:

00000008 Some or all of the commands were not processed.
0000000C Severe error; this is most likely because the CSQINPX or CSQOUTX data sets are defined erroneously.

Module: CSQUTIL

Severity: 8

System Action: The initialization command handler ends, but the channel initiator continues.

System Programmer Response: Refer to the CSQOUTX data set and to the preceding messages for more information about the error.

See the *MQSeries for OS/390 System Management Guide* for information about the initialization command handler, the COMMAND statement, and the CSQINPX or CSQOUTX data sets.

CSQU020E *csect-name* **Unable to OPEN ddname data set**

Explanation: The program was unable to open data set *ddname*.

Module: CSQUTIL

Severity: 8

System Action: If the SYSPRINT or SYSIN data sets cannot be opened, the MQSeries utility program terminates. For other data sets, the function requesting them is not performed.

System Programmer Response: Examine the error message that has been sent to the JES log to determine the reason for the error. Check that the data set has been correctly specified.

CSQU023E *csect-name* **Unable to CLOSE ddname data set**

Explanation: The input data set *ddname* is still open after a request was made to close it.

Module: CSQUTIL

Severity: 4

System Action: The program continues with its termination procedures.

System Programmer Response: Examine the error message that has been sent to the JES log to determine the reason for the error. Check that the data set has been correctly specified.

CSQU024E *csect-name* **IDENTIFY failed for ddname data set. DIV return code=rc reason code=code**

Explanation: The MQSeries utility program received a DIV IDENTIFY error for the page set it was attempting to process (pointed to by *ddname*).

Module: CSQUSVCS

Severity: 8

System Action: The function is terminated.

System Programmer Response: See the *MVS Programming: Assembler Services Reference* manual for information about the return and reason codes from DIV. If necessary, resubmit the job.

CSQU025E *csect-name* **ACCESS failed for ddname data set. DIV return code=rc reason code=code**

Explanation: The MQSeries utility program received a DIV ACCESS error for the page set it was attempting to process (pointed to by *ddname*).

Module: CSQUSVCS

Severity: 8

System Action: The function is terminated.

System Programmer Response: See the *MVS Programming: Assembler Services Reference* manual for information about the return and reason codes from DIV. If necessary, resubmit the job.

CSQU026E *csect-name* **MAP failed for ddname data set. DIV return code=rc reason code=code**

Explanation: The MQSeries utility program received a DIV MAP error for the page set it was attempting to process (pointed to by *ddname*).

Module: CSQUSVCS

Severity: 8

System Action: The function is terminated.

System Programmer Response: See the *MVS Programming: Assembler Services Reference* manual for information about the return and reason codes from DIV. If necessary, resubmit the job.

CSQU027E *csect-name* **SAVE failed for ddname data set. DIV return code=rc reason code=code**

Explanation: The MQSeries utility program received a DIV SAVE error for the page set it was attempting to process (pointed to by *ddname*).

Module: CSQUSVCS

Severity: 8

System Action: The function is terminated.

System Programmer Response: See the *MVS Programming: Assembler Services Reference* manual for information about the return and reason codes from DIV. If necessary, resubmit the job.

CSQU028E *csect-name* UNMAP failed for *ddname* data set. DIV return code=*rc* reason code=*code*

Explanation: The MQSeries utility program received a DIV UNMAP error for the page set it was attempting to process (pointed to by *ddname*).

Module: CSQUSVCS

Severity: 8

System Action: The function is terminated.

System Programmer Response: See the *MVS Programming: Assembler Services Reference* manual for information about the return and reason codes from DIV. If necessary, resubmit the job.

CSQU029E *csect-name* UNACCESS failed for *ddname* data set. DIV return code=*rc* reason code=*code*

Explanation: The MQSeries utility program received a DIV UNACCESS error for the page set it was attempting to process (pointed to by *ddname*).

Module: CSQUSVCS

Severity: 8

System Action: The function is terminated.

System Programmer Response: See the *MVS Programming: Assembler Services Reference* manual for information about the return and reason codes from DIV. If necessary, resubmit the job.

CSQU030E *csect-name* Page *nn* in data set *ddname* is invalid

Explanation: The MQSeries utility program has encountered a page that is invalid in the page set data set *ddname*. If the page number is 0, it might be that the data set is not the page set that is implied by the DDname.

Module: CSQUDEF5

Severity: 8

System Action: The function is terminated.

System Programmer Response: Check that the page set has not been corrupted, and that the page set number corresponds to the DDname.

CSQU031E *csect-name* Queues *q-name* does not exist

Explanation: The specified queue does not exist.

Module: CSQUTIL

Severity: 8

System Action: The function is terminated.

System Programmer Response: Check the queue name that was specified.

CSQU040E *csect-name* Unable to GET from *ddname* data set

Explanation: The program was unable to read a record from the *ddname* data set.

Module: CSQUOFFQ

Severity: 8

System Action: The function is terminated, and any queue updates are backed out.

System Programmer Response: Examine the error message that has been sent to the JES log to determine the reason for the error. Check that the data set has been correctly specified.

CSQU043E *csect-name* Unable to PUT to *ddname* data set

Explanation: The program was unable to write the next record to the *ddname* data set. Either the data set was not opened, or there has been a QSAM error.

Module: CSQUOFFQ

Severity: 8

System Action: The function is terminated, and any queue updates are backed out.

System Programmer Response: Examine the error message that has been sent to the JES log to determine the reason for the error. Check that the data set has been correctly specified.

CSQU046I *csect-name* making client channel definitions in *ddname* data set using CCSID *ccsid*

Explanation: This message is issued to show the progress of the MQSeries utility program. It indicates that the COMMAND function client channel definitions will be built in data set *ddname*, and that the data will have a coded character set identifier of *ccsid*.

Module: CSQUTIL

Severity: 0

CSQU047E *csect-name* Unable to convert data for channel. MQCC=*mqcc* MQRC=*mqrc*

Explanation: When building a client channel definition, data could not be converted from the character set used by the queue manager to that requested by the CCSID keyword.

Module: CSQUTIL

Severity: 8

System Action: The channel definition is not built.

System Programmer Response: Refer to Appendix A, "API completion and reason codes" for information about *mqcc* and *mqrc*. Resubmit the job if required.

CSQU049I *csect-name* number client channel definitions made

Explanation: This message is issued to show the progress of the MQSeries utility program, and indicates how many client channel definitions were made.

Module: CSQUCMDS

Severity: 0

CSQU050E *csect-name* Command of length *length* is too long. Command rejected

Explanation: In the COMMAND function, the assembled command had more than 32 762 characters.

Module: CSQUCMDS

Severity: 8

System Action: The command is ignored, and no more commands are processed.

System Programmer Response: Check that the command is correctly formed according to the concatenation rules described in the *MQSeries for OS/390 System Management Guide*.

CSQU051E *csect-name* **Command responses not received after *n* seconds**

Explanation: In the COMMAND function, get processing for a response was timed out whilst more responses were expected.

Module: CSQUCMDS

Severity: 4

System Action: The next command will be processed, unless there have been too many timeouts.

System Programmer Response: Check that the command server is running, and can accept messages as long as the longest response message. Increase the value of RESPTIME, especially if the command is being sent to a remote queue manager, and check the remote queue definitions.

CSQU052E *csect-name* **Too many timeouts**

Explanation: In the COMMAND function, get processing for a response has timed out four times.

Module: CSQUCMDS

Severity: 8

System Action: No more commands are processed.

System Programmer Response: Check that the command server is running, and can accept messages as long as the longest response message. Increase the value of RESPTIME, especially if the command is being sent to a remote queue manager, and check the remote queue definitions.

CSQU053I *csect-name* **DISPLAY command response not recognized**

Explanation: In the COMMAND function, the responses to an MQSeries DISPLAY command were not as expected.

Module: CSQUCMDS

Severity: 4

System Action: The DISPLAY command response is shown as is, rather than being formatted. The next command is processed.

System Programmer Response: Contact your IBM support center.

CSQU054I *csect-name* **Executing *function* for object type *objtyp***

Explanation: This message is issued to show the progress of the MQSeries utility program.

The MQSeries utility program is executing function *function* to process objects of the type indicated.

Module: CSQUTIL

Severity: 0

CSQU055I *csect-name* **Target queue manager is *subsys-id***

Explanation: This message is issued to indicate which queue manager your commands are directed to.

Module: CSQUTIL

Severity: 0

CSQU056I *csect-name* **Making DEFINE commands in *ddname* data set**

Explanation: This message is issued to show the progress of the MQSeries utility program. It indicates that DEFINE commands for the COMMAND or SDEFS functions will be built in data set *ddname*.

Module: CSQUTIL

Severity: 0

CSQU057I *csect-name* ***number* commands read**

Explanation: This message is issued to show the progress of the MQSeries utility program, and indicates how many MQSeries commands have been read from the command input data set.

Module: CSQUCMDS

Severity: 0

CSQU058I *csect-name* ***number* commands issued and responses received, *number* failed**

Explanation: This message is issued to show the progress of the MQSeries utility program, and indicates how many commands were sent to MQSeries and produced responses, and how many of these did not execute successfully.

Module: CSQUCMDS

Severity: 0

CSQU059I *csect-name* ***number* DEFINE commands made**

Explanation: This message is issued to show the progress of the MQSeries utility program, and indicates how many DEFINE commands were made.

Module: CSQUCMDS, CSQUDEFS

Severity: 0

CSQU060E *csect-name* **Incorrect length data record. *number* bytes found, *exp-length* bytes expected**

Explanation: In the LOAD function, the MQSeries utility program has encountered a record that it does not recognize while reading from the input data set. This is because the record was of length *length* instead of *exp-length*.

Module: CSQUOFFQ

Severity: 8

System Action: The function is terminated, and any queue updates are backed out.

System Programmer Response: Check that the data set was created by the COPY function and has not been corrupted.

CSQU061E *csect-name* **Unexpected end-of-data on *ddname* data set. Data record missing**

Explanation: The end-of-data was indicated when the LOAD function was expecting a data record.

Module: CSQUOFFQ

Severity: 8

System Action: The function is terminated, and any queue updates are backed out.

System Programmer Response: Check that the data set was created by the COPY function, and has not been corrupted.

CSQU070I *csect-name* **Command processing stopped****Module:** CSQUCMDS**Explanation:** In the COMMAND function, with FAILURE(STOP) specified, a command did not execute successfully.**Severity:** 0**System Action:** No more commands are processed.**CSQU071E** *csect-name* **Incomplete command****Explanation:** In the COMMAND function, end of data on the input data set was reached while the building of a command had not been completed.**Module:** CSQUCMDS**Severity:** 4**System Action:** The command is ignored. There are no more commands to process.**System Programmer Response:** Check that the command is correctly formed according to the concatenation rules described in the *MQSeries for OS/390 System Management Guide*.**CSQU080E** *csect-name* **MQCLOSE failed for queue *q-name*.****MQCC=mqcc MQRC=mqrc****Explanation:** The MQCLOSE call for *q-name* was unsuccessful. If this is for the system-command input queue when using the COMMAND function, message CSQU055I follows showing the target queue manager that was being used.**Module:** CSQUTIL**Severity:** 4**System Action:** The function is terminated.**System Programmer Response:** Refer to Appendix A, "API completion and reason codes" for information about *mqcc* and *mqrc*. Resubmit the job if required.**CSQU082E** *csect-name* **MQGET failed for queue *q-name*.****MQCC=mqcc MQRC=mqrc****Explanation:** The MQGET call for *q-name* was unsuccessful.**Module:** CSQUTIL**Severity:** 8**System Action:** The function is terminated, and any queue updates are backed out.**System Programmer Response:** Refer to Appendix A, "API completion and reason codes" for information about *mqcc* and *mqrc*. Resubmit the job if required.**CSQU083E** *csect-name* **MQOPEN failed for queue *q-name*.****MQCC=mqcc MQRC=mqrc****Explanation:** The MQOPEN call for *q-name* was unsuccessful. If the queue is a model queue, the requested dynamic queue name is appended in parentheses. If this is for the system-command input queue when using the COMMAND function, message CSQU055I follows showing the target queue manager that was being used.**Module:** CSQUTIL**Severity:** 8**System Action:** The function is terminated, and all queue updates are backed out.**System Programmer Response:** Refer to Appendix A, "API completion and reason codes" for information about *mqcc* and *mqrc*. Resubmit the job if required.**CSQU085E** *csect-name* **MQPUT failed for queue *q-name*.****MQCC=mqcc MQRC=mqrc****Explanation:** The MQPUT call for *q-name* was unsuccessful. If this is for the system-command input queue when using the COMMAND function, message CSQU055I follows showing the target queue manager that was being used.**Module:** CSQUTIL**Severity:** 8**System Action:** The function is terminated, and all queue updates are backed out.**System Programmer Response:** Refer to Appendix A, "API completion and reason codes" for information about *mqcc* and *mqrc*. Resubmit the job if required.**CSQU087I** *csect-name* **MAXSMSGS reached. A syncpoint has been forced****Explanation:** Because MAXSMSGS has been reached, a syncpoint has been taken which commits the queue changes made so far.**Module:** CSQUTIL**Severity:** 0**System Action:** The function continues, but no further functions will be processed.**System Programmer Response:** None, unless the function fails for some reason after this message. In that case, note that some queue changes will have been committed, and you should make appropriate adjustments before rerunning the job.**CSQU090E** *csect-name* **OPEN failed for *ddname* data set. VSAM****return code=*rc* reason code=*reason*****Module:** CSQUCOPY, CSQIFORM**Explanation:** The MQSeries utility program received a VSAM OPEN error for the page set it was attempting to process (pointed to by *ddname*).**Severity:** 8**System Action:** The page set is not processed.**System Programmer Response:** See the *DFSMS/MVS Macro Instructions for Data Sets* for information about the return and reason codes from VSAM. If necessary, resubmit the job.**CSQU091E** *csect-name* ***ddname* data set is non-empty. Format request rejected****Explanation:** Data set *ddname* has been opened, but it is not empty.**Module:** CSQIFORM**Severity:** 8**System Action:** The page set is not formatted.**System Programmer Response:** Ensure that the data sets specified are empty, and resubmit the job if necessary.

CSQU092I *csect-name* function completed for *ddname* data set, *pp* pages in *ss* space allocations

Explanation: Processing of *ddname* data set for function *function* has completed. The page set has *pp* pages, and uses *ss* space allocations (as specified for primary or secondary allocation quantities when the data set was defined).

Module: CSQUFORM

Severity: 0

System Action: Processing continues with the next page set.

CSQU093E *csect-name* PUT failed for *ddname* data set. VSAM return code=*rc* reason code=*code*

Explanation: The MQSeries utility program received a VSAM PUT error for the page set it was attempting to process (pointed to by *ddname*).

Module: CSQUCOPY, CSQUFORM

Severity: 8

System Action: Processing for the page set is terminated, and the function continues with the next page set.

System Programmer Response: See the *DFSMS/MVS Macro Instructions for Data Sets* for information about the return and reason codes from VSAM. If necessary, resubmit the job.

CSQU094E *csect-name* CLOSE failed for *ddname* data set. VSAM return code=*rc* reason code=*reason*

Explanation: The MQSeries utility program received a VSAM CLOSE error for the page set it was attempting to process (pointed to by *ddname*).

Module: CSQUCOPY, CSQUFORM

Severity: 4

System Action: Processing for the page set is terminated, and the function continues with the next page set.

System Programmer Response: See the *DFSMS/MVS Macro Instructions for Data Sets* for information about the return and reason codes from VSAM. If necessary, resubmit the job.

CSQU095E *csect-name* No page sets identified. *function* terminated

Explanation: A request to format or reset a page set was unsuccessful because there were no page set data sets with DD names in the range CSQP0000 through CSQP0099.

Module: CSQUFORM

Severity: 4

System Action: Processing is terminated.

System Programmer Response: Add DD statements for the required page set data sets, and resubmit the job.

CSQU100E *csect-name* *ddname* DD statement missing

Explanation: Data set *ddname* does not have a DD statement in the JCL.

Module: CSQULPAR

Severity: 8

System Action: The MQSeries utility is terminated.

System Programmer Response: Add the required statement to the JCL, and resubmit the job.

CSQU101E *csect-name* DD statement missing for page set *psid*

Explanation: A page set is referenced, but there is no DD statement for it in the JCL. The DD name required is CSQP00*nn*, where *nn* is the page set number.

Module: CSQULPAR

Severity: 8

System Action: The MQSeries utility is terminated.

System Programmer Response: Add the required statement to the JCL, and resubmit the job.

CSQU102E *csect-name* No functions requested

Explanation: There are no commands in the SYSIN data set.

Module: CSQULPAR

Severity: 8

System Action: The utility is terminated.

CSQU103E *csect-name* Either keyword *keyword1* or *keyword2* must be specified

Explanation: The statement syntax is incorrect because it requires that one of the keywords *keyword1* or *keyword2* be specified, but not both.

Module: CSQULPAR

Severity: 8

System Action: The MQSeries utility program is terminated.

System Programmer Response: See the *MQSeries Command Reference* manual for information about the correct syntax required for the statement, and resubmit the job.

CSQU104E *csect-name* Invalid value *value* for keyword *keyword*

Explanation: The statement syntax is incorrect because the value given for keyword *keyword* is not valid.

Module: CSQULPAR

Severity: 8

System Action: The MQSeries utility program is terminated.

System Programmer Response: See the *MQSeries for OS/390 System Management Guide* for information about the correct syntax required for the statement, and resubmit the job.

CSQU105E *csect-name* Blanks are not allowed in keyword value

Explanation: The statement syntax is incorrect because a keyword value contains one or more blank characters.

Module: CSQULPAR

Severity: 8

System Action: The MQSeries utility program is terminated.

System Programmer Response: See the *MQSeries for OS/390 System Management Guide* for information about the correct syntax required for the statement, and resubmit the job.

CSQU106E *csect-name* **Invalid function** *function*

Explanation: The statement syntax is incorrect because the function *function* is not recognized.

Module: CSQULPAR

Severity: 8

System Action: The MQSeries utility program is terminated.

System Programmer Response: See the *MQSeries for OS/390 System Management Guide* for a list of valid functions, and resubmit the job.

CSQU107E *csect-name* **Invalid function statement syntax**

Explanation: The syntax of the *function* statement is incorrect, and cannot be parsed.

Module: CSQUCMDS, CSQULPAR

Severity: 8

System Action: The MQSeries utility program is terminated.

System Programmer Response: See the *MQSeries for OS/390 System Management Guide* for information about the correct syntax required for the statement, and resubmit the job.

CSQU108E *csect-name* **Value missing for keyword** *keyword*

Explanation: Keyword *keyword* should be followed by a value, but the value is missing.

Module: CSQULPAR

Severity: 8

System Action: The MQSeries utility program is terminated.

System Programmer Response: See the *MQSeries for OS/390 System Management Guide* for information about the correct syntax required for the statement, and resubmit the job.

CSQU109E *csect-name* **Value not allowed for keyword** *keyword*

Explanation: Keyword *keyword* should not be followed by a value, but a value is specified.

Module: CSQULPAR

Severity: 8

System Action: The MQSeries utility program is terminated.

System Programmer Response: See the *MQSeries for OS/390 System Management Guide* for information about the correct syntax required for the statement, and resubmit the job.

CSQU110E *csect-name* **Keyword** *keyword1* **not allowed without** *keyword2*

Explanation: The statement syntax is incorrect because keyword *keyword1* can be specified only if *keyword2* is also specified.

Module: CSQULPAR

Severity: 8

System Action: The MQSeries utility program is terminated.

System Programmer Response: See the *MQSeries Command Reference* manual for information about the correct syntax required for the statement, and resubmit the job.

CSQU111E *csect-name* **Invalid keyword** *keyword* **for function** *function*

Explanation: The statement syntax is incorrect because the keyword *keyword* is not valid for function *function*.

Module: CSQULPAR

Severity: 8

System Action: The MQSeries utility program is terminated.

System Programmer Response: See the *MQSeries for OS/390 System Management Guide* for information about the correct syntax required for the statement, and resubmit the job.

CSQU112E *csect-name* **Incomplete statement**

Explanation: End of data on the input data set was reached while the building of a statement had not been completed.

Module: CSQULPAR

Severity: 8

System Action: The utility is terminated.

System Programmer Response: Check that the statement is correctly formed according to the concatenation rules described in the *MQSeries for OS/390 System Management Guide*.

CSQU113E *csect-name* **Too many statement continuations**

Explanation: The statement has more than 10 continuations.

Module: CSQULPAR

Severity: 8

System Action: The utility is terminated.

System Programmer Response: Check that the statement is correctly formed according to the concatenation rules described in the *MQSeries for OS/390 System Management Guide*.

CSQU114E **Keyword** *keyword* **repeated**

Explanation: The statement syntax is incorrect because a keyword is repeated.

Module: CSQULPAR

Severity: 8

System Action: The MQSeries utility program is terminated.

System Programmer Response: Check the syntax in the input data set. See the *MQSeries for OS/390 System Management Guide* for further information about the MQSeries utility program.

CSQU115E *csect-name* **Unable to find queues for page set** *psid* **- command responses not received**

Explanation: In the COPY or EMPTY function, the queue manager could not determine which queues are in page set *psid* because the response to an MQSeries command was not received in time.

Module: CSQUTIL

Severity: 4

System Action: The function is terminated.

System Programmer Response: Check that the command server is running, and can accept messages as long as the longest response message.

CSQU116I *csect-name* **No storage classes found for page set**
psid

Explanation: The page set specified has no storage classes associated with it.

Module: CSQUTIL

Severity: 8

System Action: The function is terminated.

System Programmer Response: Define a storage class for the page set, and rerun the job if required.

CSQU117I *csect-name* **No queues found for page set** *psid*

Explanation: The page set specified has no queues associated with it that are eligible for the requested function. For the COPY and EMPTY functions, there are no local queues; for the SCOPY function, there are no local queues with messages.

Module: CSQUTIL

Severity: 8

System Action: The function is terminated.

System Programmer Response: If required, correct the page set specified, and rerun the job.

CSQU118E *csect-name* **No queue manager name specified in EXEC PARM**

Explanation: An attempt was made to use either the COPY, LOAD, EMPTY, or COMMAND function, without specifying the name of the required queue manager

Module: CSQUTIL

Severity: 8

System Action: The MQSeries utility program is terminated.

System Programmer Response: Specify the name of the subsystem required in the EXEC PARM field, and rerun the job. See the *MQSeries for OS/390 System Management Guide* for further information about the MQSeries utility program.

CSQU120I *csect-name* **Connecting to queue manager** *subsys-id*

Explanation: This message is issued to show the progress of the MQSeries utility program.

The MQSeries utility program is connecting to queue manager *subsys-id*.

Module: CSQUTIL

Severity: 0

CSQU121I *csect-name* **Connected to queue manager** *subsys-id*

Explanation: This message is issued to show the progress of the MQSeries utility program.

The MQSeries utility program is has connected to queue manager *subsys-id*.

Module: CSQUTIL

Severity: 0

CSQU122I *csect-name* **Executing** *function-name*

Explanation: This message is issued to show the progress of the MQSeries utility program.

The MQSeries utility program is executing function *function-name*.

Module: CSQUTIL

Severity: 0

CSQU123I *csect-name* **Processing** *ddname* **data set, mode FORCE**

Explanation: This message is issued to show the progress of the MQSeries utility program.

The MQSeries utility program is handling data set *ddname* using the FORCE option.

Module: CSQUFORM, CSQRIP

Severity: 0

CSQU124I *csect-name* **Processing** *ddname* **data set**

Explanation: This message is issued to show the progress of the MQSeries utility program.

The current function is handling data set *ddname*.

Module: CSQUFORM

Severity: 0

CSQU125I *csect-name* **number page sets attempted**

Explanation: This message is issued to show the progress of the MQSeries utility program, and indicates how many page sets the program has attempted to process.

Module: CSQUCOPY, CSQUFORM

Severity: 0

CSQU126I *csect-name* **number page sets formatted successfully**

Explanation: This message is issued to show the progress of the MQSeries utility program, and indicates how many page sets have been processed successfully.

Module: CSQUCOPY, CSQUFORM

Severity: 0

CSQU127I *csect-name* **Executing** *function* **using input from**
ddname **data set**

Explanation: This message is issued to show the progress of the MQSeries utility program.

The MQSeries utility program is executing function *function* using input from *ddname*.

Module: CSQUTIL

Severity: 0

CSQU128I *csect-name* **Executing** *function* **outputting to** *ddname*
data set

Explanation: This message is issued to show the progress of the MQSeries utility program.

The MQSeries utility program is executing function *function*, and is writing the output to *ddname*.

Module: CSQUTIL

Severity: 0

CSQU129I *csect-name* **Copying page set** *psid*

Explanation: This message is issued to show the progress of the MQSeries utility program.

The MQSeries utility program is copying page set *psid*.

Module: CSQUTIL

Severity: 0

CSQU130I *csect-name* **Copying queue** *q-name*

Explanation: This message is issued to show the progress of the MQSeries utility program.

The MQSeries utility program is copying queue *q-name*.

Module: CSQUTIL

Severity: 0

CSQU131I *csect-name number* **messages copied successfully**

Explanation: This message is issued to show the progress of the MQSeries utility program, and indicates how many messages have been copied successfully when copying a queue.

Module: CSQUTIL

Severity: 0

CSQU132I *csect-name number* **records written**

Explanation: This message is issued to show the progress of the MQSeries utility program, and indicates how many records have been written when copying a queue.

Module: CSQUTIL

Severity: 0

CSQU133I *csect-name number* **queues attempted**

Explanation: This message is issued to show the progress of the MQSeries utility program, and indicates how many queues the program attempted to copy while copying a page set.

Module: CSQUTIL

Severity: 0

CSQU134I *csect-name number* **queues copied successfully**

Explanation: This message is issued to show the progress of the MQSeries utility program, and indicates how many queues were copied successfully while copying a page set.

Module: CSQUTIL

Severity: 0

CSQU135I *csect-name* **Loading queue** *q-name*

Explanation: This message is issued to show the progress of the MQSeries utility program.

The MQSeries utility program is loading queue *q-name*.

Module: CSQUOFFQ

Severity: 0

CSQU136I *csect-name number* **messages loaded successfully**

Explanation: This message is issued to show the progress of the MQSeries utility program, and indicates how many messages were loaded onto a queue.

Module: CSQUOFFQ

Severity: 0

CSQU137I *csect-name number* **records read**

Explanation: This message is issued to show the progress of the MQSeries utility program, and indicates how many records were read while loading messages onto a queue.

Module: CSQUTIL

Severity: 0

CSQU138I *csect-name number* **queues loaded successfully**

Explanation: This message is issued to show the progress of the MQSeries utility program, and indicates how many queues were loaded successfully.

Module: CSQUTIL

Severity: 0

CSQU139I *csect-name* **Emptying page set** *psid*

Explanation: This message is issued to show the progress of the MQSeries utility program.

The MQSeries utility program is emptying page set *psid*.

Module: CSQUTIL

Severity: 0

CSQU140I *csect-name* **Emptying queue** *q-name*

Explanation: This message is issued to show the progress of the MQSeries utility program.

The MQSeries utility program is emptying queue *q-name*.

Module: CSQUTIL

Severity: 0

CSQU141I *csect-name number* **messages deleted successfully**

Explanation: This message is issued to show the progress of the MQSeries utility program, and indicates how many messages were deleted while emptying a queue.

Module: CSQUTIL

Severity: 0

CSQU142I *csect-name number* **queues emptied successfully**

Explanation: This message is issued to show the progress of the MQSeries utility program, and indicates how many queues have been emptied.

Module: CSQUTIL

Severity: 0

CSQU143I *csect-name number function* **statements attempted**

Explanation: This message is issued to show the progress of the MQSeries utility program, and indicates the number of *function* statements attempted.

Module: CSQUTIL

Severity: 0

CSQU144I *csect-name number function* **statements executed successfully**

Explanation: This message is issued to show the progress of the MQSeries utility program, and indicates the number of *function* statements executed successfully.

Module: CSQUTIL

Severity: 0

CSQU145I *csect-name function* **statement failed**

Explanation: The MQSeries utility program experienced an error while executing function *function*.

Module: CSQUTIL

Severity: 8

System Action: The utility program terminates.

System Programmer Response: Check the other messages issued to determine where the error occurred, and what caused it.

CSQU147I *csect-name* **Utility terminated, return code=*ret-code***

Explanation: The utility has been terminated because a severe error or forced syncpoint occurred meaning that no further functions should be run. *ret-code* is the return code from the utility.

Module: CSQUTIL

Severity: 8

System Action: The utility ends.

System Programmer Response: See the *MQSeries for OS/390 System Management Guide* for information about the return code from the utility.

CSQU148I *csect-name* **Utility completed, return code=*ret-code***

Explanation: The utility has completed, all required functions having been attempted. *ret-code* is the return code from the utility.

Module: CSQUTIL

Severity: 0

System Action: The utility ends.

System Programmer Response: Check any functions that failed.

CSQU150I *csect-name function for data set dname1 to data set dname2*

Explanation: Processing for data set *dname1* has completed, with output to *dname2*.

Module: CSQUCOPY

Severity: 0

System Action: Processing continues with the next page set.

CSQU151I *csect-name* **No matching CSQSnnnn and CSQTnnnn DD statements. function terminated**

Explanation: A COPYPAGE or RESETPAGE function was unsuccessful because there were no matching pairs of page set data sets with names CSQS0000 through CSQS0099 and CSQT0000 through CSQT0099.

Module: CSQUCOPY

Severity: 4

System Action: The function is terminated.

System Programmer Response: Add DD statements for the required page set data sets, and resubmit the job.

CSQU152I *csect-name dname1* **DD statement missing. No action taken for dname2 data set**

Explanation: Only one of the source-target pair of page set data sets (CSQSnnnn and CSQTnnnn) was specified.

Module: CSQUCOPY

Severity: 4

System Action: The function continues.

System Programmer Response: Add DD statements for the required page set data sets, and resubmit the job.

CSQU154E *csect-name* **Target data set dname is smaller than source data set. Action terminated**

Explanation: A COPYPAGE or RESETPAGE function could not process a page set data set because the target data set *dname* was too small.

Module: CSQUCOPY

Severity: 4

System Action: Processing continues with the next page set.

CSQU155I *csect-name* **Loading queue q-name1 from queue q-name2**

Explanation: This message is issued to show the progress of the MQSeries utility program.

The MQSeries utility program is loading queue *q-name1* with messages copied from queue *q-name2*.

Module: CSQUOFFQ

Severity: 0

CSQU156E *csect-name* **GET failed for dname data set. VSAM return code=*rc* reason code=*code***

Explanation: The MQSeries utility program received a VSAM GET error for the page set it was attempting to process (pointed to by *dname*).

Module: CSQUCOPY

Severity: 8

System Action: Processing for the page set is terminated, and the function continues with the next page set.

System Programmer Response: See the *DFSMS/MVS Macro Instructions for Data Sets* manual for information about the return and reason codes from VSAM. If necessary, resubmit the job.

CSQU157I *csect-name* Processing data set *ddname1* to *ddname2*

Explanation: This message is issued to show the progress of the MQSeries utility program.

The current function is handling data set *ddname1*, with output to *ddname2*.

Module: CSQUCOPY

Severity: 0

CSQU158E *csect-name* Target data set *ddname2* is not newly formatted

Explanation: The COPYPAGE and RESETPAGE functions can only be used with a newly formatted target page set.

Module: CSQUCOPY

Severity: 4

System Action: Processing continues.

System Programmer Response: Specify a valid target page set, and resubmit the job.

CSQU159E *csect-name* Source data set *ddname1* is not a page set

Explanation: The COPYPAGE and RESETPAGE functions can only be used with an MQSeries page set.

Module: CSQUCOPY

Severity: 4

System Action: Processing continues.

System Programmer Response: Specify a valid source page set, and resubmit the job.

CSQU950I *csect-name* IBM MQSeries for OS/390 – *version*

Explanation: This message is issued as part of the header to the messages that indicate the progress of the utility program.

It is produced each time the utility is invoked.

Module: CSQUCVX

Severity: 0

CSQU951I *csect-name* Data Conversion Exit Utility – *date time*

Explanation: This message follows message CSQU950I as part of the header to the messages that indicate the progress of the utility program.

Module: CSQUCVX

Severity: 0

CSQU952I *csect-name* Utility completed, return code=*ret-code*

Explanation: The utility has completed. The return code is 0 if all the input was processed successfully, or 8 if any errors were found.

Module: CSQUCVX

Severity: 0

System Action: The utility ends.

System Programmer Response: If the return code is non-zero, investigate the errors that were reported.

CSQU954I *csect-name* number structures processed

Explanation: This message is issued to show the progress of the utility program, and indicates how many data structures have been processed.

Module: CSQUCVX

Severity: 0

CSQU956E *csect-name* Line *line-number*: structure array field has incorrect dimension

Explanation: The dimension specified for a structure array field was not correct.

Module: CSQUCVX

Severity: 8

System Action: Processing stops.

System Programmer Response: Correct the field specification and resubmit the job.

CSQU957E *csect-name* Line *line-number*: structure has field following a variable length field

Explanation: There was an error in the indicated line. A variable length field must be the last field of a structure.

Module: CSQUCVX

Severity: 8

System Action: Processing continues.

System Programmer Response: Correct the field specification and resubmit the job.

CSQU958E *csect-name* Line *line-number*: structure field *name* has unsupported type 'float'

Explanation: There was an error in the indicated line. A field had a type of 'float', which is not supported.

Module: CSQUCVX

Severity: 8

System Action: Processing continues.

System Programmer Response: Correct the field specification and resubmit the job, or provide your own routine for converting such fields.

CSQU959E *csect-name* Line *line-number*: structure field *name* has unsupported type 'double'

Explanation: There was an error in the indicated line. A field had a type of 'double', which is not supported.

Module: CSQUCVX

Severity: 8

System Action: Processing continues.

System Programmer Response: Correct the field specification and resubmit the job, or provide your own routine for converting such fields.

CSQU960E *csect-name* **Line** *line-number*: **structure field** *name* **has unsupported type 'pointer'**

Explanation: There was an error in the indicated line. A field had a type of 'pointer', which is not supported.

Module: CSQUCVX

Severity: 8

System Action: Processing continues.

System Programmer Response: Correct the field specification and resubmit the job, or provide your own routine for converting such fields.

CSQU961E *csect-name* **Line** *line-number*: **structure field** *name* **has unsupported type 'bit'**

Explanation: There was an error in the indicated line. A field had a type of 'bit', which is not supported.

Module: CSQUCVX

Severity: 8

System Action: Processing continues.

System Programmer Response: Correct the field specification and resubmit the job, or provide your own routine for converting such fields.

CSQU965E *csect-name* **Invalid EXEC PARM**

Explanation: The EXEC PARM field was not blank.

Module: CSQUCVX

Severity: 8

System Action: The utility is terminated.

System Programmer Response: Change the JCL, and resubmit the job.

CSQU968E *csect-name* **Unable to OPEN** *ddname* **data set**

Explanation: The program was unable to open data set *ddname*.

Module: CSQUCVX

Severity: 8

System Action: The utility is terminated.

System Programmer Response: Examine the error message that has been sent to the JES log to determine the reason for the error. Check that the data set has been correctly specified.

CSQU970E *csect-name* **Line** *line-number*: **syntax error**

Explanation: There was a syntax error in the indicated line.

Module: CSQUCVX

Severity: 8

System Action: Processing stops.

System Programmer Response: Correct the error and resubmit the job.

CSQU971E *csect-name* **Unable to GET from** *ddname* **data set**

Explanation: The program was unable to read a record from the *ddname* data set.

Module: CSQUCVX

Severity: 8

System Action: The utility is terminated.

System Programmer Response: Examine the error message that has been sent to the JES log to determine the reason for the error. Check that the data set has been correctly specified.

CSQU972E *csect-name* **Unable to PUT to** *ddname* **data set**

Explanation: The program was unable to write the next record to the *ddname* data set.

Module: CSQUCVX

Severity: 8

System Action: The utility is terminated.

System Programmer Response: Examine the error message that has been sent to the JES log to determine the reason for the error. Check that the data set has been correctly specified.

Agent services messages (CSQV...)

CSQV029E LOAD MODULE *module-name* DOES NOT HAVE AMODE(31) ATTRIBUTE

Explanation: During MQSeries startup, three load modules, CSQVEUS3, CSQVEUS4, and CSQVRCT, are loaded and attached as the control programs for each subtask created. In the OS/390 environment, all three load modules must have been link-edited with the attributes AMODE(31) and RMODE(ANY). At least one of the modules did not have the 31-bit addressing attribute when it was loaded. The *module-name* in the error message is the alias name of the first load module whose addressing mode was invalid.

Module: CSQVASIM

System Action: MQSeries startup is terminated.

System Programmer Response: Verify that all installation and maintenance activities against these modules were executed successfully.

Operator Response: Notify the system programmer of the problem.

Problem Determination: An MQSeries dump was requested to an OS/390 SYS1.DUMP data set.

Load module names and aliases are as follows:

Load module	Alias
CSQVEUS3	CSQVEU3I
CSQVEUS4	CSQVEU4I
CSQVRCT	CSQVRCTI

CSQV086E MQSeries ABNORMAL TERMINATION REASON=*reason-code*

Explanation: The MQSeries subsystem is being abended, because an error that cannot be corrected has occurred. This message, which is not automatically deleted from the operator console, is issued during MQSeries abnormal termination. *reason-code* is the subsystem termination reason code. If MQSeries abnormal termination is invoked multiple times, the subsystem termination reason code that accompanies this message is the reason associated with the first invocation.

Module: CSQVATRM

System Action: Abnormal termination processing continues.

Operator Response: Notify the system programmer, and restart MQSeries.

System Programmer Response: For additional information, look up the reason code in Part 2, "Codes."

This message is accompanied by one or more dumps. Obtain a copy of SYS1.LOGREC after MQSeries completely terminates, and the dumps. If you suspect an error in MQSeries, see the *MQSeries for OS/390 Problem Determination Guide* for information about identifying and reporting the problem.

Problem Determination: You might find the following items useful in resolving the problem:

- Console output
- Printout of SYS1.LOGREC
- Any system dumps produced

CSQV400I ARCHIVE LOG QUIESCE CURRENTLY ACTIVE

Explanation: An ARCHIVE LOG MODE(QUIESCE) command is currently active. This message follows the CSQV401I message as part of the DISPLAY THREAD command report.

Module: CSQVDTA

System Action: This message is issued as information only. The message indicates that the ARCHIVE LOG MODE(QUIESCE) command has not completed, and consequently, updates against MQSeries resources have been temporarily suspended. This might result in active threads being suspended awaiting termination of the quiesce period. MQSeries processing otherwise continues normally.

CSQV401I DISPLAY THREAD REPORT FOLLOWS –

Explanation: This message is always generated as the title for the DISPLAY THREAD command report output. It precedes the other messages generated by this command.

Message CSQV402I provides the formatted report when the status of active threads is requested, and message CSQV406I provides the formatted report when the status of in-doubt threads is requested.

Module: CSQVDT

System Action: Processing continues normally.

CSQV402I ACTIVE THREADS –

Explanation: This message comprises the response to the DISPLAY THREAD TYPE(ACTIVE) command. It provides the status information for each active thread, as follows:

NAME	STA	REQ	THREAD-XREF	USERID	ASID	URID
<i>name</i>	<i>sta</i>	<i>req</i>	<i>thread-xref</i>	<i>userid</i>	<i>asid</i>	<i>urid</i>
:						

DISPLAY ACTIVE REPORT COMPLETE

where:

name The connection name used to establish the thread.

sta Connection status code:

N The thread is in IDENTIFY status.

T The thread has issued CREATE THREAD.

QT The CREATE THREAD request has been queued.
The associated allied task is placed in a wait state.

QD The thread is queued for termination as a result of the termination of the associated allied task. If this thread is also the last (or only) MQSeries thread for the address space, the associated allied task is placed in a wait state.

D The thread is in the process of termination as a result of the termination of the associated allied task. If this thread is also the last (or only) MQSeries thread for the address space, the associated allied task is placed in a wait state.

An asterisk is appended if the thread is active within MQSeries.

req A wraparound counter to show the number of MQSeries requests.

thread-xref The recovery thread cross-reference identifier associated with the thread. See the *MQSeries for OS/390 System Management Guide* for more information.

userid The user ID associated with a connection. If not signed-on, this field is blank.

asid A hexadecimal number representing the ASID of the home address space.

urid Unit of recovery identifier. This is the log RBA of the current unit of recovery associated with the thread.

Exceptionally, the last line might be DISPLAY ACTIVE TERMINATED WITH MAX LINES, if the report was generated in response to a command from an OS/390 console and more than 252 response messages were generated. Only 252 response messages are returned.

Module: CSQVDTA

System Action: Processing continues normally.

Operator Response: If the report was truncated, reissue the DISPLAY THREAD request specifying a specific connection name.

Problem Determination: If you have active threads with QD or D status codes, the information in message CSQ3201E can be used to diagnose a possible MQSeries problem.

CSQV406I INDOUBT THREADS –

Explanation: This message comprises the response to the DISPLAY THREAD TYPE(INDOUBT) command. It provides the status information for each in-doubt thread, as follows:

```

NAME  THREAD-XREF  URID NID
name  thread-xref  urid nid
:

```

DISPLAY INDOUBT REPORT COMPLETE

where:

name The connection name used to establish the thread.

thread-xref The recovery thread cross-reference identifier associated with the thread. See the *MQSeries for OS/390 System Management Guide* for more information.

network-id The recovery network ID associated with the in-doubt thread. This has the form *net-node.net-urid*, where:

net-node The network node name that identifies the originator of the thread. (This is omitted for batch RRS connections.)

net-urid The hexadecimal number assigned to the unit of recovery for this thread by the originating system.

urid Unit of recovery identifier. This is the log RBA of the current unit of recovery associated with the thread. (This is omitted if the command was issued from an MVS console with a non-specific connection name.)

Exceptionally, the last line might be DISPLAY INDOUBT TERMINATED WITH MAX LINES if the report was generated in response to a command from an OS/390 console and more than 252 in-doubt threads were eligible for display.

Module: CSQVDTI

System Action: Processing continues normally.

Operator Response: If the report was truncated, reissue the DISPLAY THREAD request specifying a specific connection name.

**CSQV410I NO ACTIVE CONNECTION FOUND FOR
NAME=connection-name**

Explanation: The DISPLAY THREAD (connection-name) TYPE(ACTIVE) command was unable to find any active connection associated with *connection-name*. This message is generated once for each connection-name requested that is not connected.

Module: CSQVDTA

System Action: Command processing continues.

**CSQV411I NO ACTIVE THREADS FOUND FOR
NAME=connection-name**

Explanation: The DISPLAY THREAD (connection-name) TYPE(ACTIVE) command was unable to locate any active threads associated with *connection-name*. This message is generated once for each connection name for which no threads were found.

Module: CSQVDTA

System Action: Command processing continues.

**CSQV412I csect-name NO INDOUBT THREADS FOUND FOR
NAME=connection name**

Explanation: In this message, *csect-name* is the name of the command program CSECT that issued the message. NAME is the connection name specified on the command.

The named command was unable to locate any in-doubt threads associated with the *connection name*. This message is generated once for each *connection name* for which no threads were found.

Module: CSQVDTI, CSQVRIS

System Action: Command processing continues.

**CSQV413E csect-name verb-name pkw-name TERMINATED,
DEFAULT UNAVAILABLE**

Explanation: The message indicates that the named command has abnormally terminated. A *connection name* was not supplied with the command, and a default is not provided. If the command was entered from an OS/390 console, the CONNECTION NAME parameter must be supplied with the command. No default is provided.

csect-name The name of the command program CSECT that issued the message.

verb-name The command verb as entered by the requester.

pkw-name The command primary keyword as entered by the requester.

Module: CSQVDTI, CSQVRIS

System Action: Command processing terminates.

Operator Response: Reenter the command specifying a *connection name*.

CSQV414I THREAD NID=network-id COMMIT SCHEDULED

Explanation: In this message, *network-id* is the identifier specified with the RESOLVE INDOUBT command to identify the in-doubt thread.

Module: CSQVRICA

System Action: The thread specified on the RESOLVE INDOUBT command is scheduled for COMMIT recovery action.

CSQV415I THREAD NID=*network-id* BACKOUT SCHEDULED

Explanation: In this message, *network-id* is the identifier specified with the RESOLVE INDOUBT command to identify the in-doubt thread.

Module: CSQVRICA

System Action: Command processing continues.

The thread specified on the RESOLVE INDOUBT command is scheduled for BACKOUT recovery action.

CSQV416E THREAD NID=*network-id* IS INVALID

Explanation: The RESOLVE INDOUBT command determined that the input format for the specified *network-id* is invalid.

Module: CSQVRIS

System Action: Command processing continues.

Operator Response: Ensure that the *network-id* entered is in the correct format as specified on the RESOLVE INDOUBT command before reentering the command.

CSQV417I THREAD NID=*network-id* NOT FOUND

Explanation: In this message, *network-id* is the identifier specified with the RESOLVE INDOUBT command to identify the in-doubt thread.

The RESOLVE INDOUBT command was unable to locate the specified thread to be scheduled for recovery. Either the thread identifier is incorrect, or the thread no longer resides within an in-doubt state.

Module: CSQVRICA

System Action: Command processing continues.

Operator Response: Ensure that the thread still resides within an in-doubt state before reentering the command.

CSQV419I NO ACTIVE CONNECTIONS FOUND

Explanation: The DISPLAY THREAD command found no active connections within the system. This message is generated when the command requests thread information for all (*) active (TYPE=ACTIVE) connections within the system, but no active connections currently exist.

Module: CSQVDTA

System Action: Command processing continues.

CSQV420I NO INDOUBT THREADS FOUND

Explanation: The DISPLAY THREAD command found no in-doubt threads within the system. This message is generated when the command requests information about all (*) threads currently residing within an in-doubt state (TYPE=INDOUBT) within the system, but no threads currently exist within this state.

Module: CSQVDTI

System Action: Command processing continues.

CSQV423I DISPLAY THREAD MESSAGE POOL SIZE EXCEEDED

Explanation: The virtual storage requirement needed to generate a DISPLAY THREAD response display exceeded the maximum size of the message buffer pool.

Module: CSQVDT

System Action: Processing is terminated.

Operator Response: Reissue the DISPLAY THREAD request specifying either TYPE(INDOUBT) or TYPE(ACTIVE) and a specific connection name, location, luw-id, or combination thereof as appropriate to further constrain the display.

CSQV424I THREAD ID=*thread-xref* COMMIT SCHEDULED

Explanation: In this message, *thread-xref* is the identifier specified with the RESOLVE INDOUBT command to identify the in-doubt thread.

Module: CSQVRICA

System Action: The thread specified on the RESOLVE INDOUBT command is scheduled for COMMIT recovery action.

CSQV425I THREAD ID=*thread-xref* BACKOUT SCHEDULED

Explanation: In this message, *thread-xref* is the identifier specified with the RESOLVE INDOUBT command to identify the in-doubt thread.

Module: CSQVRICA

System Action: Command processing continues.

The thread specified on the RESOLVE INDOUBT command is scheduled for BACKOUT recovery action.

CSQV427I THREAD ID=*thread-xref* NOT FOUND

Explanation: In this message, *thread-xref* is the identifier specified with the RESOLVE INDOUBT command to identify the in-doubt thread.

The RESOLVE INDOUBT command was unable to locate the specified thread to be scheduled for recovery. Either the thread identifier is incorrect, or the thread no longer resides within an in-doubt state.

Module: CSQVRICA

System Action: Command processing continues.

Operator Response: Ensure that the thread still resides within an in-doubt state before reentering the command.

**CSQV428I CURRENT THREAD LIMIT OF *nnn* EXCEEDED.
CREATE THREAD FOR JOB *jobname* DEFERRED**

Explanation: A job requested a connection to the queue manager, but the current number of connections is the maximum allowed, as specified in the CTHREAD system parameter of the queue manager.

Module: CSQ3CT30

System Action: The request for a connection is suspended, and waits until another connection ends.

Operator Response: Notify your systems programmer if this occurs frequently.

System Programmer Response: If this situation occurs frequently, consider changing the CTHREAD system parameter to increase the limit for connected threads.

CSQV450I *csect-name* Unable to open *ddname* data set

Explanation: The *ddname* data set could not be opened, as reported in the preceding messages.

System Action: Processing continues, but functions that require the data set will be inhibited. For example, if the exit library data set CSQXLIB cannot be opened, cluster workload user exits will not be available.

System Programmer Response: Investigate the problem reported in the preceding messages.

CSQV451I *csect-name* Unable to get storage for exits,
RC=return-code

Explanation: An attempt to obtain some storage for use by exits failed. *return-code* is the return code (in hexadecimal) from the OS/390 STORAGE service.

System Action: Processing continues, but cluster workload user exits will not be available.

System Programmer Response: See the *MVS Programming: Assembler Services Reference* manual for information about the return code from the STORAGE request.

CSQV452I *csect-name* Cluster workload exits not available

Explanation: Cluster workload user exit functions will not be available, because:

- There is no CSQXLIB DD statement in the started task procedure for the queue manager, xxxxMSTR
- The EXITTCB system parameter is zero.

System Action: Processing continues, but cluster workload user exits will not be available.

System Programmer Response: If you wish to use cluster workload exits, add the required statement to the queue manager started task procedure and specify a non-zero value for the EXITTCB system parameter. See *MQSeries for OS/390 System Management Guide* for more information.

CSQV453I *csect-name* Unable to load *module-name*,
reason=ssssrrrr

Explanation: The queue manager was unable to load a module required for exits. *ssss* is the abend code and *rrrr* is the reason code (both in hexadecimal) from the OS/390 LOAD service.

System Action: Processing continues, but cluster workload user exits will not be available.

System Programmer Response: Check the console for messages indicating why the module was not loaded. See the *MVS Programming: Assembler Services Reference* manual for information about the codes from the LOAD request.

Ensure that the module is in the required library, and that it is referenced correctly. The queue manager attempts to load this module from the library data sets under the STEPLIB DD statement of its started task procedure xxxxMSTR.

CSQV454I *csect-name* Unable to initialize PC routines for exits,
RC=rc reason=reason

Explanation: The PC routines required by the queue manager for exits could not be defined. The reason code *reason* shows which OS/390 service failed:

00E54002 LXRES failed

00E54003 ETCRE failed

00E54004 ETCON failed

rc is the return code (in hexadecimal) from the indicated OS/390 service.

System Action: Processing continues, but cluster workload user exits will not be available.

System Programmer Response: See the *MVS Authorized Assembler Services Reference* manual for information about the return codes from the OS/390 services. If you are unable to solve the problem, contact your IBM support center for assistance.

CSQV455E *csect-name* Cluster workload exit *exit-name* timed out

Explanation: A cluster workload user exit did not return to the queue manager within the allowed time, as specified by the EXITLIM system parameter.

System Action: The exit is disabled until its load module in the CSQXLIB data set is refreshed.

System Programmer Response: Investigate why your exit is not returning in time.

CSQV456E *csect-name* Cluster workload exit error,
TCB=tcb-name reason=ssuuu-reason

Explanation: The exit subtask using TCB *tcb-name* is ending abnormally because an error that cannot be corrected has occurred in a cluster workload user exit. *sss* is the system completion code, *uuu* is the user completion code, and *reason* is the associated reason code (all in hexadecimal).

System Action: The subtask ends abnormally, and a dump is normally issued. The exit is disabled until its load module in the CSQXLIB data set is refreshed.

System Programmer Response: User completion codes are generally the result of errors detected by the exit itself. If a system completion code is shown, see the *MVS System Codes* manual for information about the problem in your exit.

CSQV457E *csect-name* Unable to establish ESTAE,
RC=return-code

Explanation: During startup processing, the recovery environment for a cluster workload user exit task could not be set up. *return-code* is the return code (in hexadecimal) from the OS/390 ESTAE service.

Severity: 8

System Action: The task does not start. Cluster workload user exits will be available providing at least one task starts.

System Programmer Response: See the *MVS Programming: Assembler Services Reference* manual for information about the return code from the ESTAE request. If you are unable to solve the problem, contact your IBM support center for assistance.

CSQV459I *csect-name* Unable to free storage for exits,
RC=return-code

Explanation: An attempt to release some storage that was used by exits failed. *return-code* is the return code (in hexadecimal) from the OS/390 STORAGE service.

System Action: Processing continues.

System Programmer Response: See the *MVS Programming: Assembler Services Reference* manual for information about the return code from the STORAGE request.

CSQV461E *csect-name* **NO STORAGE AVAILABLE**

Explanation: There was insufficient storage available for a system recovery routine. *csect-name* shows which routine.

Severity: 4

System Action: Processing continues, but the dump function provided by the system recovery routine will be inhibited.

System Programmer Response: Increase the size of the queue manager address space, or reduce the number of queues, messages, and threads being used.

CSQV462E *csect-name*. **SDUMPX FAILED, RC=0000ssrr,**
dump-identifier

Explanation: The system dump routine was unable to issue a dump; the dump identifier was as shown in the message. *rr* is the return code and *ss* is the reason code (both in hexadecimal) from the OS/390 SDUMPX service.

Severity: 4

System Action: Processing continues.

System Programmer Response: See the *MVS Authorized Assembler Services Reference* manual for information about the return code and reason code from the SDUMPX request.

Instrumentation facilities messages (CSQW...)

CSQW001I ASYNCHRONOUSLY GATHERED DATA IS BEING FORMATTED IN THIS DUMP

Explanation: The subsystem formatting exit is not using summary dump records for formatting. The formatted control blocks might not contain the same values as they did at the time of the error.

Module: CSQWDPRD

System Action: Dump formatting continues.

System Programmer Response: If you want summary dump records to be used, do not specify the 'SUMDUMP=NO' operand on the MQSeries DUMP DISPLAY MAIN MENU (if you are using the dump display panels), or in the CSQWDMP verbexit (if you are using line mode IPCS).

CSQW002I SUMMARY DUMP RECORDS ARE BEING FORMATTED IN THIS DUMP

Explanation: The subsystem formatting exit is using MQSeries summary dump record information to format its control blocks.

Module: CSQWDPRD

System Action: Dump formatting continues.

System Programmer Response: If you do not want MQSeries summary dump records to be used in formatting, specify the 'SUMDUMP=NO' and 'SUBSYS=subsystem name' on the MQSeries DUMP DISPLAY MAIN MENU (if you are using the dump display panels), or in the CSQWDMP verbexit (if you are using line mode IPCS). Both operands are required.

CSQW004E ONE OR MORE CSQWDMP OPERANDS WERE NOT VALID. SUBSYSTEM FORMATTING TERMINATED

Explanation: An invalid operand was specified on the MQSeries DUMP DISPLAY MAIN MENU (if you are using the dump display panels), or in the CSQWDMP verbexit (if you are using line mode IPCS).

Module: CSQWDPRD

System Action: Control returns to IPCS to terminate the exit.

System Programmer Response: Correct the operand specified by message CSQW007E.

CSQW006E THE ERLY BLOCK CANNOT BE ACCESSED OR IT IS INVALID

Explanation: The subsystem formatting exit could not locate its anchor block.

Module: CSQWDPRD

System Action: Control returns to IPCS to terminate the exit.

System Programmer Response: Specify 'SUBSYS=subsystem name', and 'SUMDUMP=NO' on the MQSeries DUMP DISPLAY MAIN MENU (if you are using the dump display panels), or in the CSQWDMP verbexit if you are using line mode IPCS. The subsystem name should have between one and four characters.

CSQW007E THE FOLLOWING OPERAND SPECIFIED IN THE CSQWDMP STATEMENT IS NOT VALID: xxxx

Explanation: The specified operand was not a the valid dump control operand.

Module: CSQWDPRD

System Action: Control returns to IPCS to terminate the exit.

System Programmer Response: Check the dump control operands.

CSQW008E THE SCOM CANNOT BE ACCESSED OR IT IS INVALID

Explanation: An error was encountered while trying to retrieve the SCOM.

Module: CSQWDPRD

System Action: Control returns to IPCS to terminate the exit.

System Programmer Response: If SUMDUMP=NO was specified on the MQSeries DUMP DISPLAY MAIN MENU (if you are using the dump display panels), or in the CSQWDMP verbexit (if you are using line mode IPCS) omit it and resubmit the command. Otherwise, specify this operand, and resubmit the command.

CSQW009E THE ADDRESS SPACE REQUESTED IS NOT AVAILABLE

Explanation: The MQSeries control blocks for the address space specified could not be located.

Module: CSQWDPRD

System Action: Formatting continues if other dump operands were specified.

System Programmer Response: Check the ASID specified. The ASID must be specified in hexadecimal.

CSQW010E THE TRACE RMFT CANNOT BE ACCESSED OR IT IS INVALID

Explanation: The MQSeries trace table could not be located.

Module: CSQWDPRD

System Action: Formatting of the MQSeries trace table is bypassed, and formatting continues of any other requested dump segment.

System Programmer Response: If SUMDUMP=NO was specified try formatting the dump again using the summary dump because it could contain the information required to access this data.

If SUMDUMP=NO was not specified, and the summary dump was used, try formatting the dump again specifying this option because the summary dump data could have been corrupted.

CSQW011I A LARGER REGION SIZE IS REQUIRED FOR THIS JOB

Explanation: The subsystem formatting exit could not obtain a large enough work buffer to process the summary dump records.

Module: CSQWDPRD

System Action: Subsystem formatting continues.

System Programmer Response: Rerun the job, specifying a larger TSO region size (or a larger region size if running in batch).

CSQW013I DMPW NOT FOUND IN SUMMARY DUMP

Explanation: The subsystem formatting exit was unable to locate the DMPW control block in the summary record portion of the dump data set. Because the DMPW provides the main anchor block for the dump formatter, processing is terminated.

Module: CSQWDPRD

System Action: Control returns to IPCS to terminate the exit.

System Programmer Response: Specify SUBSYS=xxxx to identify which address space to format information for.

CSQW014I REQUIRED SUMMARY DUMP RECORDS ARE NOT IN THIS DUMP. WILL ATTEMPT TO FORMAT FROM NON- SUMMARY DUMP

Explanation: Expected data could not be found in the summary dump. This message is issued for information only. Dump formatting continues.

Module: CSQWDPRD

System Action: Formatting is attempted using information found from the full dump instead of the summary dump.

CSQW015I SSCVT NOT LOCATED. CHECK THE SUBSYSTEM NAME SPECIFIED

Explanation: In a search through the SSCVT chain, a match of the subsystem name in the SSCVTs and the subsystem name specified was not found.

Module: CSQWDPRD

System Action: Formatting for the named subsystem is not done.

System Programmer Response: Specify the subsystem name correctly.

CSQW016I THE RMVT CANNOT BE ACCESSED OR IT IS INVALID

Explanation: The subsystem formatting exit could not locate the RMVT. The RMVT is required for formatting the MQSeries trace table and a number of other MQSeries control blocks.

Module: CSQWDPRD

System Action: Formatting of the MQSeries trace table is bypassed, and formatting of other requested dump segments continues.

System Programmer Response: If SUMDUMP=NO was specified try formatting the dump again using the summary dump because it could contain the information required to access this data.

If SUMDUMP=NO was not specified, and the summary dump was used, try formatting the dump again specifying this option because the summary dump data could have been corrupted.

CSQW017E MAXIMUM STACK LEVEL EXCEEDED

Explanation: This condition is usually caused by the MQSeries control block formatter looping.

Module: CSQWDCBF

System Action: Dump formatting is terminated.

System Programmer Response: Contact your IBM support center.

CSQW018I SUBSYS= NOT SPECIFIED ON THE CONTROL CARD OR MISSING. REQUIRED IF SUMDUMP=NO SPECIFIED

Explanation: The SUMDUMP=NO option was specified, but either the SUBSYS= operand is missing, or it was incorrectly specified.

Module: CSQWDPRD

System Action: Dump formatting is terminated.

Operator Response: Specify the name of the subsystem in the SUBSYS= operand and rerun the dump analysis. For more information about dump analysis, and the SUBSYS= operand, see the *MQSeries for OS/390 Problem Determination Guide*.

CSQW020I UNSUCCESSFUL SEARCH FOR THE ERLY CONTROL BLOCK

Explanation: A key control block could not be located in the dump.

Module: CSQWDPRD

System Action: Dump formatting is terminated.

System Programmer Response: Check that the SUBSYS= operand was correctly specified, and resubmit the request.

CSQW022I THE RESIDENT TRACE WAS NOT ACTIVE AT THE TIME OF DUMP

Explanation: Trace table formatting has been attempted, but no trace table existed at the time of the dump.

Module: CSQWDCBF

System Action: Dump formatting continues with any other control blocks that were to be formatted.

CSQW023I THE TRACE TABLE ENTRY IS OUT OF SEQUENCE OR OVERLAID

Explanation: A trace entry is overlaid by another trace entry of a different time stamp. This message is issued to flag an unrecognized trace entry. This error can occur if the dump is initiated by operator command, because the MQSeries address space continues to run while the dump is being taken.

Module: CSQWDCBF

System Action: Formatting of the trace table continues.

CSQW024I TRACE TABLE

Explanation: The trace table follows.

Module: CSQWDCBF

System Action: Trace table formatting follows.

CSQW025I DUMP ACCESS ERROR ACCESSING THE TRACE TABLE IN THE DUMP

Explanation: A nonzero return code was returned from the storage access routine when accessing the trace table.

Module: CSQWDCBF

System Action: Trace table formatting is bypassed.

CSQW026I CONTROL BLOCK SUMMARY (ALL ADDRESS SPACES)

Explanation: This messages provides descriptive information about the type of formatting being produced.

Module: CSQWDPRD

System Action: Dump formatting continues.

CSQW027I CONTROL BLOCK SUMMARY (SINGLE ADDRESS SPACE)

Explanation: This messages provides descriptive information about the type of formatting being produced.

Module: CSQWDPRD

System Action: Dump formatting continues.

CSQW028I CONTROL BLOCK SUMMARY (LONG FORM GLOBAL)

Explanation: This messages provides descriptive information about the type of formatting being produced.

Module: CSQWDPRD

System Action: Dump formatting continues.

CSQW029I CONTROL BLOCK SUMMARY (SHORT FORM GLOBAL)

Explanation: This messages provides descriptive information about the type of formatting being produced.

Module: CSQWDPRD

System Action: Dump formatting continues.

CSQW030E DUMP ACCESS ERROR ACCESSING THE CONTROL BLOCK STRUCTURE TABLE IN THE DUMP

Explanation: A control block identifying the structure of MQSeries control blocks could not be found.

Module: CSQWDCBF

System Action: Control block formatting is terminated.

System Programmer Response: Check the OS/390 console to see if any messages were produced to indicate that there was a problem when the dump was taken. If you suspect an error in MQSeries, see the *MQSeries for OS/390 Problem Determination Guide* for information about reporting the problem.

CSQW032E DUMP ACCESS ERROR ACCESSING ANCHOR CONTROL BLOCK

Explanation: A control block cannot be accessed from the dump.

Module: CSQWDCBF

System Action: Control block formatting is terminated.

System Programmer Response: Check the OS/390 console to see if any messages were produced to indicate that there was a problem when the dump was taken. If you suspect an error in MQSeries, see the *MQSeries for OS/390 Problem Determination Guide* for information about reporting the problem.

CSQW033I BEGINNING FORMATTING

Explanation: Formatting of MQSeries control blocks is beginning.

Module: CSQWDHPP

CSQW034I TRACE TABLE AND GLOBAL BLOCKS ALREADY DUMPED

Explanation: An indicative dump is being requested. The MQSeries trace table and the global blocks have already been dumped with first dump (full dump) for this abend dump (SNAP) invocation. These are, therefore, not dumped in the dump for this task.

Module: CSQWDHPP

CSQW035I WARNING – NO TASK RELATED CONTROL BLOCKS FOR THIS TASK

Explanation: The TCB for which the dump is being requested is not identified to MQSeries. Task-related control blocks are not dumped. The MQSeries trace table and global blocks are dumped only if the SYSABEND DD statement is present and only if this is the first of the dumps (full dump) for this abend dump (SNAP) invocation.

Module: CSQWDHPP

System Action: No MQSeries formatting is done for the specified task.

CSQW036I CONTROL BLOCKS FOR TASKS ASSOCIATED WITH THE ABOVE RECOVERY COORDINATOR TASK

Explanation: The formatted blocks following this message are associated with TCBs that have been identified to MQSeries with the 'recovery coordinator = no' option. These TCBs might not have invoked SNAP, but they are associated with the TCB that did.

Module: CSQWDHPP

System Action: Related control blocks are dumped.

System Programmer Response: Examine the control blocks for relevant information.

CSQW037I TASK RELATED CONTROL BLOCKS FOR THIS TASK

Explanation: The formatted blocks following this message are associated with the TCB that is being dumped.

Module: CSQWDHPP

System Action: Relevant control blocks are dumped.

System Programmer Response: Examine the control blocks for relevant information.

CSQW038I END OF FORMATTING

Explanation: Formatting of MQSeries control blocks is completed.

Module: CSQWDHPP

CSQW039I SUBSYSTEM FORMATTING COMPLETE FOR THIS DUMP

Explanation: The subsystem formatting routine has completed its processing for this dump data set.

Module: CSQWDPRD

CSQW041E THE TAB CANNOT BE ACCESSED OR IT IS INVALID

Explanation: The MQSeries trace table anchor block could not be located.

Module: CSQWDPRD

System Action: Formatting of the MQSeries trace table is bypassed, and formatting of any other requested dump segment continues.

System Programmer Response: If SUMDUMP=NO was specified

try formatting the dump again using the summary dump because it could contain the information required to access this data.

If SUNDUMP=NO was not specified, and the summary dump was used, try formatting the dump again specifying this option because the summary dump data could have been corrupted.

Check the OS/390 console to see if any messages were produced to indicate that there was a problem when the dump was taken. If you suspect an error in MQSeries, see the *MQSeries for OS/390 Problem Determination Guide* for information about reporting the problem.

Problem Determination: You might find the following items useful in resolving the problem:

- Console output
- Dynamic dump
- Printout of SYS1.LOGREC

CSQW042E REQUIRED SUMMARY DUMP RECORDS ARE NOT IN THIS DUMP. RERUN DUMP ANALYSIS SPECIFYING SUBSYS= PARAMETER

Explanation: The summary dump records were not found in the dump. When this occurs the dump formatter needs the subsystem name to be able to identify which address space is to be formatted.

Module: CSQWDPRD

Severity: 8

System Action: Dump formatting is terminated.

System Programmer Response: Rerun the dump analysis specifying the parameter the subsystem name (using SUBSYS=).

See the *MQSeries for OS/390 Problem Determination Guide* for more information about formatting MQSeries dumps.

CSQW049I OLDEST SLOT ADDRESS INVALID, FORMATTING TRACE TABLE FROM FIRST ENTRY

Explanation: There are several pointers in the control block that defines the trace. One points to the start of the storage that contains the trace data, one to the end, and one to the next free record. The formatter has detected that the pointer to the next free record is outside the range indicated by the pointers to the start and end of the storage.

Module: CSQWDPCBF

System Action: Dump formatting continues, but from the physical start of the trace table, not the oldest record.

System Programmer Response: If the time of day values are meaningful, and in sequence, scan down the formatted trace to find the latest trace record written.

Problem Determination: This error occurs when the trace control block has been overwritten, and could be a symptom of a larger problem.

CSQW050I *ssnm* NO SDWA/LOGREC, ABN=*comp-reason*, U=*user-id*, M=*module*, C=A9500.*vrn.comp-function*

Explanation: This message provides the default SVC dump title (SDUMP) associated with the SYS1.DUMP data set, when an SDWA was unavailable during recovery processing. The individual variable fields contain:

Field	Contents
<i>ssnm</i>	MQSeries subsystem name
ABN	The abend completion code, followed by the abend reason code
U	The user ID for the individual subsystem user

M The function recovery routine responsible for the dump

C The component-ID

vrn The MQSeries version, release number, and modification level

comp-function The component-ID function

Module: CSQWSDSM

System Action: Dump processing continues.

System Programmer Response: Since the SDWA provides important diagnostic information to assist in problem determination, the recovery environment at time of error should be examined to determine why an SDWA was not provided for this ABEND.

In a non-recovery environment, there might be valid reasons for the lack of an SDWA (for example, the operator could have initiated the dump).

Problem Determination: In a recovery environment, functional recovery routines (FRRs) are guaranteed an SDWA by Recovery Termination Manager (RTM). Therefore, the recovery routine is most likely an ESTAE recovery routine. The primary reason for an SDWA not being provided to an ESTAE routine is due to insufficient storage available during recovery processing. The region sizes allocated to the function in error should be examined to ensure sufficient storage is available.

In a non-recovery environment, where there is no RTM, no SDWA is produced.

CSQW051E ERROR DURING DUMP PROCESSING

Explanation: This message is generated by the recovery routine of the SDUMP dump data gathering service when an error is encountered during dump processing.

Module: CSQWSDSM

System Action: Processing of the SUMLSTA user storage areas is terminated, an SVC dump is requested, and control is returned to RTM.

System Programmer Response: This error is documented in a SYS1.LOGREC record. This message can be issued because of an error in the invocation of SDUMP, or because of an error in SDUMP itself, or during control block examination and access.

CSQW052E ERROR ENCOUNTERED DURING LOAD OR VALIDATION OF A CONTROL BLOCK STRUCTURE TABLE MODULE

Explanation: The MQSeries dump formatting facility cannot be used to format control blocks. An error occurred during the MQSeries startup process while attempting to LOAD one of the Control Block Structures Table modules (CSQWDST1, CSQWDST2, CSQWDST3, and CSQWDST4) from the MQSeries subsystem program library.

Module: CSQWOLDS

System Action: Subsystem startup processing continues.

System Programmer Response: If you expect to experience problems, stop your MQSeries subsystem, resolve the problem, and restart. If however you do not anticipate that this error will cause problems, you can stop the system and restart at a convenient time.

Problem Determination: The modules must reside in an MQSeries program library named on the execution procedure used to start the MQSeries subsystem address space.

The named modules prohibit the use of the MQSeries dump formatting facility to format SVC dumps that occur during the current

execution cycle of the MQSeries subsystem. The named modules are not required for

CSQW053I VRA DIAGNOSTIC INFORMATION REPORT

Explanation: The variable recording area (VRA) is part of the system diagnostic work area (SDWA) and contains MQSeries diagnostic information. The VRA is extracted and displayed in this report.

For information about this report, see the *MQSeries for OS/390 Problem Determination Guide*.

Module: CSQWSDFR

System Action: Dump format processing continues.

CSQW054I NO VRA DATA RECORDED IN SDWA

Explanation: The SDWA obtained from the SYS1.DUMP data set contained no diagnostic information in the VRA.

Module: CSQWSDFR

System Action: VRA report generation is bypassed, dump format processing continues.

CSQW055I FORMAT ROUTINE UNABLE TO LOCATE SDWA

Explanation: The OS/390 summary dump data access service routine (IEAVTFRD) was unable to locate the SDWA in the summary data portion of the SYS1.DUMP data set. SVC dumps only contain an SDWA if they are initiated by MQSeries. If the dump was initiated by any other means (such as the operator) the SDWA will not be present.

Module: CSQWSDFR

System Action: No VRA is produced, and dump format processing continues.

CSQW056I VRA DIAGNOSTIC REPORT COMPLETE

Explanation: The dump formatter has completed processing of the VRA diagnostic report.

Module: CSQWSDFR

System Action: Dump format processing continues.

CSQW060I BEGIN SAVE AREA TRACE

Explanation: This message identifies the start of the MQSeries register save area trace report which appears in the formatted section of a MQSeries SVC dump. This report is useful for problem determination because it contains the save areas for the agent execution block (EB) in error, and all associated agent EBs, traced from the point of error and displayed in order of invocation.

Module: CSQWDFST

System Action: Save area trace format processing continues for the agent EB in error, and all associated agent EBs.

CSQW061I SAVE AREA TRACE COMPLETE

Explanation: This message indicates that the MQSeries formatted save area trace report (CSQW060I) is complete.

Module: CSQWDFST

System Action: Dump format processing continues.

CSQW062I R6 (R6-contents) DOES NOT CONTAIN A VALID EB ADDRESS

Explanation: During dump format processing of the MQSeries formatted save area trace report (CSQW060I), register 6 (R6) did not contain the address of a valid agent execution block (EB).

Module: CSQWDFST

System Action: Save area trace format processing is terminated for the current agent EB, and all prior EBs.

Problem Determination: Register 6 does not contain the current EB address or a prior EB address.

Refer to the abend reason and completion codes associated with the original error to determine the use of register 6 prior to the error.

CSQW063E *name (address) ASID (asid) NOT FOUND IN DUMP*

Explanation: During dump formatter processing of the save area trace report (CSQW060I), a control block or save area was not found in the dump data set.

Since the dump formatter utilizes the MQSeries and OS/390 control blocks defined under the *name* field of this message to locate individual register save areas, subsequent save areas located using the *named* control block or save area will not be displayed in the report.

name Identifies the name of the control block or save area that was not found in the dump data set:

SA	Indicates a save area
ASCE	MQSeries address space control element
EB	MQSeries execution block
TCB	OS/390 task control block
RB	OS/390 request block
XSB	OS/390 extended status block
PSA	OS/390 prefix save area
SDWA	OS/390 system diagnostic work area
STSV	OS/390 SRB status save area
STKE	OS/390 cross memory stack element

address

The address of the named control block or save area.

asid

The address space identifier associated with the control block or save area.

Due to the execution structures and environmental restrictions of selected MQSeries and OS/390 control structures, some control blocks and save areas associated with these execution environments will not be included in the dump data set.

Module: CSQWDFST

System Action: Register save area trace format processing for the current save area chains is terminated. Subsequent save area processing will vary depending on the specific control block or save area that was available, and the MQSeries Agent execution environments at the time of the error.

Problem Determination: During OS/390/RTM recovery processing, MQSeries Dump Services attempts to include all control blocks (both MQSeries and OS/390), and the pertinent MQSeries save areas in the dump data set, regardless of the type of error. Control blocks and save areas associated with the MQSeries address space at time of error will be included in the dump data set.

CSQW064I *ERROR* BLOCK NOT FOUND IN DUMP

Explanation: The dump formatter was unable to format a control block because the storage could not be found.

Module: CSQWDPDRD

System Action: Dump formatting continues.

Severity: 4

Problem Determination: This problem can occur for the following reasons:

- The dump is incomplete, this could be because:
 - The SYS1.DUMPxx data set was not large enough when the dump was taken
 - Errors occurred when the SYS1.DUMPxx data set was copied
- A pointer within a control block contains invalid data
- The length of a control block is invalid

This could be a symptom of a more significant problem. Identifying which control block contains the incorrect value could help you to solve other problems.

CSQW065I *ERROR* BLOCK LENGTH INCORRECT

Explanation: During the formatting of a control block, a mismatch was found between the expected length and the value determined from the dump.

Module: CSQWDPDRD

Severity: 4

System Programmer Response: You might find this message helpful when solving a more serious problem because it might indicate that a control block has been corrupted.

CSQW066I *ERROR* VERIFICATION CODE INCORRECT

Explanation: Each control block type has a unique verification code. During the formatting of the control block, a mismatch occurred between the value expected and the value found in the control block in the dump.

Module: CSQWDPDRD

Severity: 4

System Programmer Response: This message could indicate that storage has been overlaid, and you might find it helpful when solving a more serious problem because it might indicate that a control block has been corrupted.

CSQW067I *ERROR* BLOCK CHAINED FROM THIS BLOCK NOT FOUND IN THE DUMP

Explanation: Control blocks can contain pointers to other control blocks. A control block pointed to by the current control block could not be found in the dump.

Module: CSQWDPDRD

Severity: 4

System Programmer Response: This message could indicate that storage has been overlaid, and you might find it helpful when solving a more serious problem. The control block pointed to will have error message CSQW064I associated with it.

Problem Determination: This problem can occur because:

- The dump is incomplete, this could be because:
 - The SYS1.DUMPxx data set was not large enough when the dump was taken
 - Errors occurred when the SYS1.DUMPxx data set was copied
- A pointer within the control block contained invalid data

CSQW068I *ERROR* BLOCK CHAINED FROM THIS BLOCK HAS WRONG VERIFICATION CODE

Explanation: Each control block type has a unique verification code. During the formatting of a control block pointed to by the current control block, a mismatch occurred between the value expected and the value found in the control block in the dump.

Module: CSQWDPDRD

Severity: 4

System Programmer Response: This message could indicate that storage has been overlaid, and you might find it helpful when solving a more serious problem because it might indicate that a control block has been corrupted. The control block in error has error message CSQW066I associated with it.

CSQW069I *ERROR* VALIDATION CONSTANT DOES NOT MATCH EXPECTED VALUE

Explanation: Each control block type has a unique verification code and might have an EBCDIC validation constant defined within the control block. The value of the expected validation constant does not match the value in the dump.

Module: CSQWDPDRD

Severity: 4

System Programmer Response: This message could indicate that storage has been overlaid, and you might find it helpful when solving a more serious problem because it might indicate that a control block has been corrupted.

CSQW072I ENTRY: MQSeries user parameter trace

Explanation: This message is inserted into the formatted MQSeries trace to indicate that the control block was traced on entry to MQSeries.

Module: CSQ7FGTF

Severity: 0

CSQW073I EXIT: MQSeries user parameter trace

Explanation: This message is inserted into the formatted MQSeries trace to indicate that the control block was traced on exit from MQSeries.

Module: CSQ7FGTF

Severity: 0

CSQW074I ERROR: MQSeries user parameter trace

Explanation: This message is inserted into the formatted MQSeries trace to indicate that the control block was traced because it was determined to be in error.

Module: CSQ7FGTF

Severity: 0

CSQW075I WARNING - data was truncated at 256 bytes

Explanation: This message is inserted into the formatted MQSeries trace when a control block has exceeded the 256 byte length limit of MVS version 3.

Module: CSQ7FGTF

Severity: 4

CSQW076I Return code was *mqrc*

Explanation: This message is inserted into the formatted MQSeries trace when an error has been detected. *mqrc* is the return code. Refer to Appendix A, "API completion and reason codes" for information about this code.

Module: CSQ7FGTF

Severity: 0

CSQW108E UNABLE TO AUTOMATICALLY START '*type*' TRACE

Explanation: System parameters indicated that an MQSeries trace should be started automatically during MQSeries subsystem initialization, but the MQSeries subsystem was unable to start the trace. A nonzero return code was received from the START TRACE command.

Module: CSQWVTIT, CSQWVZIT

System Action: Subsystem initialization continues.

Operator Response: Start the trace with the START TRACE command after MQSeries subsystem initialization is complete.

CSQW109E TRACE INITIALIZATION PARAMETERS UNAVAILABLE, DEFAULTS ASSUMED

Explanation: The trace function was unable to access the trace initialization parameters defined by the CSQ6SYSP macro. Default values as defined by that macro are assumed for trace parameters.

Module: CSQWVTIT, CSQWVZIT

System Action: Subsystem initialization continues.

Operator Response: Determine if the system parameter load module (the default version is called CSQZPARM) is missing or inaccessible. Trace can be started with the START TRACE command.

CSQW120E A SPECIFIED DEST VALUE IS INVALID FOR '*type*' TRACE

Explanation: A trace command has been entered, but a specified destination value is not valid for the trace type requested.

Module: CSQWVCM1

System Action: Processing for the TRACE command is terminated.

Operator Response: If a START TRACE command was entered, specify a valid destination for the trace. Otherwise, a DISPLAY TRACE command can be issued to determine what traces are currently active. See the *MQSeries Command Reference* manual for information about valid destinations.

Problem Determination: Obtain a copy of the system or terminal log to verify command entry.

CSQW121E A SPECIFIED CLASS VALUE IS INVALID FOR '*type*' TRACE

Explanation: A trace command has been entered, but a specified class value is not valid for the trace type requested.

Module: CSQWVCM1

System Action: Processing for the TRACE command is terminated.

Operator Response: If a START TRACE command was entered, specify a valid class for the trace. Otherwise, a DISPLAY TRACE command can be issued to determine what options are currently active. See the *MQSeries Command Reference* manual for information about valid classes.

Problem Determination: Obtain a copy of the system or terminal log to verify command entry.

CSQW122E KEYWORD *keyword* IS NOT VALID FOR '*type*' TRACE

Explanation: A trace command has been entered, but *keyword* is not valid for the trace type specified.

Module: CSQWVCM1

System Action: Processing for the TRACE command is terminated.

Operator Response: Either the named keyword must be omitted from the command, or a different type of trace must be specified. See the *MQSeries Command Reference* manual for information about valid combinations of keywords and trace types.

Problem Determination: Obtain a copy of the system or terminal log to verify command entry.

CSQW123I *csect-name* TRACE RECORDING HAS BEEN RESUMED ON *dest*

Explanation: *dest* destination has resumed acceptance of trace data after an error.

Module: CSQWVGTF, CSQWVSMF, CSQWVSRV

System Action: Data recording is resumed.

CSQW124E *csect-name* '*type*' TRACE TERMINATED RC=*code* RMID=*nn*

Explanation: During processing *type* trace, processing abended due to an error. A trace type of blank indicates all tracing has stopped. RMID, displayed in decimal, identifies the resource manager (for a list of MQSeries RMIDs, see the *MQSeries Command Reference* manual). RC, displayed in hexadecimal, specifies the return, reason, or abend code associated with the action. Refer to Part 2, "Codes" for information about these codes.

Further collection of the named trace is stopped. If it is necessary to resume collection of the trace, a START TRACE command can be issued. However if another error is experienced, the problem should be resolved before starting the trace collection again.

Module: CSQWVFRR, CSQWVZSS, CSQWVZSA

System Action: Processing for the named trace type is stopped. The message is not externalized by the functional recovery routine, but is output whenever an IFC event is driven at a later time. A trace type of blank indicates all tracing has stopped.

System Programmer Response: Investigate the reasons for the error. If necessary to collect the named trace, issue a START TRACE command to resume processing.

Problem Determination: If you are unable to resolve the problem, save the SYS1.LOGREC, and contact your IBM support center.

CSQW125E MULTIPLE ENTRIES NOT ALLOWED FOR *keyword* AND *keyword*

Explanation: The following matrix shows keywords which can have multiple entries and the valid combinations. If the row keyword has multiple values then the column keyword can have multiple (M) entries or a maximum of one (1).

Certain keywords are not allowed with some commands. See the *MQSeries Command Reference* manual for additional information.

	Class	Dest	USERID	RMID	TNO	IFCID
Class		M	M	M	M	M
Dest	M		M	M	M	M
USERID	M	M		M	1	M
RMID	M	M	M		M	M
TNO	M	M	1	M		M
IFCID	M	M	M	M	M	

Module: CSQWVCM1

System Action: Processing for the command is terminated.

Operator Response: Reenter a valid command.

Problem Determination: Obtain a copy of the system or terminal log to verify command entry.

CSQW126E '*type*' TRACE NOT ALLOWED, ACTIVE TRACE TABLE FULL

Explanation: The *type* trace cannot be started because the active trace table has reached the maximum number of active traces allowed.

Module: CSQWVCM1

System Action: Processing for the command is terminated.

Operator Response: Use the DISPLAY TRACE command to see if an active trace could be stopped. An active trace must be stopped before any other start trace command will be processed.

Problem Determination: Obtain a copy of the system or terminal log to verify command entry.

CSQW127I CURRENT TRACE ACTIVITY IS –

Explanation: This message is issued for DISPLAY TRACE responses. For each trace that is active, the message indicates the trace number, the type of trace, the class within type, and the destination specified for the active trace entries, as follows:

```
TNO TYPE CLASS DEST QUAL
tno type class dest qual
:
***END OF DISPLAY TRACE SUMMARY DATA***
```

Whether the trace is qualified is also displayed. If QUAL=YES, the trace is qualified by user ID, RMID, or location. If QUAL=NO, the trace is not qualified. Qualification information can be requested by specifying DETAIL(2) on DISPLAY TRACE. See message CSQW143I for trace qualification information.

CSQW130I '*type*' TRACE STARTED ASSIGNED TRACE NUMBER *tno*

Explanation: *type* trace has been started and assigned the decimal trace number *tno*. Multiple messages are possible when the start request specifies multiple user identifiers.

Note: This message is also issued after the ALTER TRACE command has been successfully completed.

Module: CSQWVCM1

System Action: Processing for the command continues.

CSQW131I STOP TRACE SUCCESSFUL FOR TRACE NUMBER(S) *tno*,...

Explanation: The trace number(s), *tno*,..., have been stopped. Up to five decimal trace numbers can be listed. If more than five traces have been stopped, another CSQW131I message is sent.

Module: CSQWVCM1

System Action: Processing for the STOP TRACE command continues.

CSQW132I MODIFY TRACE SUCCESSFUL FOR TRACE NUMBER(S) *tno*,...

Explanation: The trace numbers, *tno*,..., have been altered. Up to five numbers can be listed. If more than five traces have been altered, another CSQW132I message is sent.

Module: CSQWVCM1

System Action: Processing for the command continues.

CSQW133E *csect-name* TRACE DATA LOST, *dest* NOT ACCESSIBLE RC=*code*

Explanation: The destination specified stopped accepting trace data during a trace. Some condition external to MQSeries caused the data rejection. The reason for the error is defined by the return code (RC). The RC hexadecimal value can be:

- The hexadecimal return code from SMF. See the *MVS System Management Facilities (SMF)* manual for the specific value.
- The hexadecimal return code from the GTF request
 - 04** GTF trace and/or USR tracing is not active
- The hexadecimal return code from the SRV request
 - 10** The serviceability routine is absent
 - xx** The serviceability routine return code

Module: CSQWVGTGF, CSQWVSMF, CSQWVSRV

System Action: Trace processing continues, although data is lost.

Operator Response: Investigate the GTF or SMF facility to determine why data is not being accepted. You can issue a START TRACE command to record the data at another destination. The DISPLAY TRACE command shows what types of data were recorded at the specified destination.

Problem Determination: Obtain a copy of the system or terminal log to verify command. See the *MVS System Management Facilities (SMF)* manual for an explanation of the return code value.

CSQW135I 'type' TRACE ALREADY ACTIVE, TRACE NUMBER tno

Explanation: type trace was already active with trace number tno.

Module: CSQWVCM1

System Action: Processing for the trace already in progress will continue.

CSQW137I SPECIFIED TRACE NOT ACTIVE

Explanation: The specified trace could not be found in the active trace table.

Module: CSQWVCM1

System Action: Processing for the STOP TRACE or DISPLAY TRACE command will continue.

Operator Response: You can issue an unqualified DISPLAY TRACE command to determine all the active trace entries. If no traces are active then an unqualified DISPLAY TRACE command produces this message.

CSQW138E IFCID ifcid-number IS INVALID

Explanation: The specified IFCID number is outside the range of valid IFCID numbers or is an IFCID number which is not allowed on a trace command.

Module: CSQWVCM1

System Action: Processing of the trace command is terminated before any trace functions are performed.

Operator Response: See the *MQSeries Command Reference* manual for the range of valid IFCID numbers.

CSQW143I CURRENT TRACE QUALIFICATIONS ARE –

Explanation: This message is issued for DISPLAY TRACE responses when DETAIL(2) is specified. For each trace that is active, the message indicates the trace number, the user ID, and the RMID, as follows:

```
TNO  USERID  RMID
 tno  userid  rmid
:
***END OF DISPLAY TRACE QUALIFICATION DATA***
```

Module: CSQWVCM1

CSQW146E MULTIPLE ENTRIES NOT ALLOWED FOR keyword, keyword AND keyword

Explanation: The following matrix shows keywords that can have multiple entries and the valid combinations. If the row keyword has multiple values, the column keyword can have multiple (M) entries or a maximum of one (1).

	Class	Dest	USERID	RMID	TNO
Class		M	M	M	M
Dest	M		M	M	M
USERID	M	M		M	1
RMID	M	M	M		M
TNO	M	M	1	M	

Certain keywords are not allowed with some commands. See the *MQSeries Command Reference* manual for additional information.

Module: CSQWVCM1

System Action: Processing for the command is terminated.

Operator Response: Reenter a valid command.

Problem Determination: Obtain a copy of the system or terminal log to verify command entry.

CSQW149I csect-name CHANNEL INITIATOR NOT ACTIVE. TRACING UNCHANGED FOR RMID 231

Explanation: Trace commands cannot be issued for RMID 231 until the channel initiator has been started.

Module: CSQWSTRA, CSQWTTRA

Severity: 8

System Action: The command is not actioned for RMID 231, but is actioned for other RMIDs.

System Programmer Response: Issue the START CHINIT command to start the channel initiator, and reissue the command.

CSQW150I csect-name CLASS 1 OR 4 NOT SPECIFIED. TRACING UNCHANGED FOR RMID 231

Explanation: The value of the CLASS keyword does not include class 1 or 4 which is required for RMID 231.

Module: CSQWSTRA, CSQWTTRA

Severity: 8

System Action: The command is not actioned for RMID 231, but is actioned for other RMIDs.

System Programmer Response: Reissue the command including class 1 or 4.

CSQW151I csect-name DEST(RES) NOT SPECIFIED. TRACING UNCHANGED FOR RMID 231

Explanation: The value of the DEST keyword does not include RES which is required for RMID 231.

Module: CSQWSTRA, CSQWTTRA

Severity: 8

System Action: The command is not actioned for RMID 231, but is actioned for other RMIDs.

System Programmer Response: Reissue the command including RES in the DEST keyword.

CSQW152I csect-name command pkw-name COMMAND ACCEPTED

Explanation: All synchronous processing for the named command has completed successfully. The command has been enqueued to be completed by the channel initiator. Further messages will be produced when the command has been completed.

Module: CSQWVCM1

Severity: 0

System Action: Synchronous processing for the named command is complete.

CSQW200E Error during STORAGE OBTAIN macro. Return code=*rc*

Explanation: The OS/390 STORAGE macro was issued to obtain storage for the trace formatter. The request failed with return code *rc*.

Module: CSQ7F5EE

Severity: 8

System Action: Formatting of control blocks stops, and a hexadecimal dump of the record is produced. (This might be only part of the logical record.)

System Programmer Response: See the *MVS Assembler Services Reference* manual for information about *rc*. You can usually resolve this problem by increasing the size of your TSO or batch region. When the problem has been solved, retry the operation.

CSQW201E Error during STORAGE RELEASE macro. Return code=*rc*

Explanation: The OS/390 STORAGE macro was issued to release some storage. The request failed with return code *rc*.

Module: CSQ7F5EE

Severity: 8

System Action: Formatting of control blocks stops, and a hexadecimal dump of the record is produced. (This might be only part of the logical record.)

System Programmer Response: Note the value of *rc*, and contact your IBM support center.

CSQW202E Incomplete trace record detected

Explanation: A long trace record has been segmented, and the start record for the record currently being processed has not been processed.

This usually occurs when records within a time range have been selected for processing. The record with the start of segment flag is probably before the start of the selected time interval. This can also occur if the Generalized Trace Facility (GTF) is unable to write all records to the GTF data set.

Module: CSQ7F5EE

Severity: 8

System Action: A hexadecimal dump of the record is produced, and formatting continues with the next record. (You will receive this message for each subsequent part of this logical record.)

System Programmer Response: Select a slightly earlier start time for your time interval (one tenth of a second for example) and retry the operation. If this is not successful, it is possible that your trace table has wrapped, and the start record has been overwritten.

CSQW204E Internal error

Explanation: An internal error has occurred.

Module: CSQ7F5EE

Severity: 8

System Action: A hexadecimal dump of the record is produced, and formatting continues with the next record. This message might be followed by message CSQW202E.

System Programmer Response: Contact your IBM support center.

CSQW205E Internal error

Explanation: An internal error has occurred.

Module: CSQ7F5EE

Severity: 8

System Action: This, and all subsequent records are displayed in hexadecimal. MQSeries trace formatting is suppressed.

System Programmer Response: Contact your IBM support center.

CSQW206I Accounting record

Explanation: This message identifies this record as an accounting record.

Module: CSQ7F5EE

Severity: 4

System Action: A hexadecimal dump of the record is produced, and formatting continues with the next record.

CSQW207I A Null Self Defining section was detected

Explanation: The MQSeries trace formatter has detected a self-defining section of zero length.

Module: CSQ7F5EE

Severity: 4

System Action: Formatting continues with the next self-defining section.

CSQW208E Invalid address detected

Explanation: The MQSeries trace formatter has been passed an invalid address. The address is in low storage.

Module: CSQ7F5EE

Severity: 8

System Action: Formatting of the record is suppressed. Formatting continues with the next record.

CSQW209I A null length data item was detected

Explanation: The MQSeries trace formatter detected a data item of zero length.

Module: CSQ7F5EE

Severity: 4

System Action: Formatting continues with the next data item.

CSQW210E Invalid record detected

Explanation: The format of a record was different to the format expected by the MQSeries trace formatter.

Module: CSQ7F5EE

Severity: 8

System Action: A hexadecimal dump is produced, and formatting continues with the next record.

System Programmer Response: Contact your IBM support center.

Distributed queuing messages (CSQX...)

CSQX001I *csect-name* Channel initiator starting, using parameter module *parm-name*

Explanation: The channel initiator address space is starting, in response to a START CHINIT command. Parameter values will be taken from the module *parm-name*.

Severity: 0

System Action: Channel initiator startup processing begins. Message CSQX022I is sent when the startup process has completed.

CSQX003E *csect-name* Parameter module has invalid format

Explanation: The module being used for channel initiator parameters is not in the correct format. The module name is given in the preceding CSQX001I message.

Severity: 8

System Action: The channel initiator does not start.

System Programmer Response: Check that the correct parameter module name was specified on the START CHINIT command, and that the module has been generated correctly. See the *MQSeries for OS/390 System Management Guide* for information about how to specify channel initiator parameters and how to generate the parameter module.

CSQX005E *csect-name* Channel initiator failed to start

Explanation: A severe error, as reported in the preceding messages, occurred during channel initiator startup processing.

Severity: 8

System Action: The channel initiator started task terminates.

System Programmer Response: Investigate the problem reported in the preceding messages.

CSQX006E *csect-name* Channel initiator failed while stopping

Explanation: A severe error, as reported in the preceding messages, occurred during channel initiator termination processing.

Severity: 8

System Action: The channel initiator started task terminates.

System Programmer Response: Investigate the problem reported in the preceding messages.

CSQX007E *csect-name* Unable to connect to queue manager *qmgr-name*, MQCC=*mqcc* MQRC=*mqrc*

Explanation: An attempt by the channel initiator to connect to the queue manager was unsuccessful.

Severity: 8

System Action: If the error occurred during the channel initiator startup procedure, the channel initiator does not start. In other cases, the component where the error occurred (message channel agent, dispatcher, adapter subtask, repository manager, or listener) does not start; in most cases, the end result is that the channel initiator terminates.

System Programmer Response: Refer to Appendix A, "API completion and reason codes" for information about *mqcc* and *mqrc* to determine the cause of the problem. If you are unable to solve the problem, contact your IBM support center for assistance.

CSQX008E *csect-name* Unable to disconnect from queue manager *qmgr-name*, MQCC=*mqcc* MQRC=*mqrc*

Explanation: An attempt by the channel initiator to disconnect from the queue manager was unsuccessful.

Severity: 4

System Action: Processing continues.

System Programmer Response: Refer to Appendix A, "API completion and reason codes" for information about *mqcc* and *mqrc* to determine the cause of the problem. If you are unable to solve the problem, contact your IBM support center for assistance.

CSQX009I *csect-name* Channel initiator stopping

Explanation: A severe error, as reported in the preceding messages, occurred during channel initiator processing; the channel initiator is unable to continue.

Severity: 8

System Action: The channel initiator terminates.

System Programmer Response: Investigate the problem reported in the preceding messages.

CSQX010I *csect-name* Channel initiator stopped

Explanation: The channel initiator terminated normally.

Severity: 0

System Action: None.

CSQX012E *csect-name* Unable to open *ddname* data set

Explanation: The *ddname* data set could not be opened, as reported in the preceding messages.

Severity: 4

System Action: Processing continues, but functions that require the data set will be inhibited. For example, if the exit library data set CSQXLIB cannot be opened, user channel and channel auto-definition exits will not be available, and channels that use them will not start. If the error information data set CSQSNAP cannot be opened, the error information will be lost.

System Programmer Response: Investigate the problem reported in the preceding messages.

CSQX013E *csect-name* Listener exceeded TCP/IP channel limit

Explanation: The number of current TCP/IP channels is the maximum allowed. The listener cannot accept an incoming request to start another channel; if the maximum is 0, the listener itself cannot start. (The name of the channel requested cannot be determined because the listener could not accept the request.) Current channels include stopped and retrying channels as well as active channels.

The maximum allowed is specified in the TCPCHL parameter of the channel initiator, but might be reduced if a dispatcher fails, or if TCP/IP resources are restricted (as reported by message CSQX118I).

Severity: 8

System Action: The channel or listener does not start.

System Programmer Response: If the maximum allowed is zero, TCP/IP communications are not allowed, and no TCP/IP channels

can be started. The listener also cannot be started. If the maximum allowed is non-zero, wait for some of the operating channels to terminate before restarting the remote channel.

CSQX014E *csect-name* **Listener exceeded LU 6.2 channel limit**

Explanation: The number of current LU 6.2 channels is the maximum allowed. The listener cannot accept an incoming request to start another channel; if the maximum is 0, the listener itself cannot start. (The name of the channel requested cannot be determined because the listener could not accept the request.) Current channels include stopped and retrying channels as well as active channels.

The maximum allowed is specified in the LU62CHL parameter of the channel initiator, but might be reduced if a dispatcher fails.

Severity: 8

System Action: The channel or listener does not start.

System Programmer Response: If the maximum allowed is zero, LU 6.2 communications are not allowed, and no LU 6.2 channels can be started. The listener also cannot be started. If the maximum allowed is non-zero, wait for some of the operating channels to terminate before restarting the remote channel.

CSQX015I *csect-name started* **dispatchers started, failed failed**

Explanation: The channel initiator startup procedure has started the requested number of dispatchers; *started* dispatchers started successfully and *failed* dispatchers did not start.

Severity: 0

System Action: The channel initiator startup processing continues. The number of current TCP/IP and LU 6.2 channels allowed will be reduced proportionately if some dispatchers did not start.

System Programmer Response: If the message indicates that some dispatchers failed, investigate the problem reported in the preceding messages.

CSQX016I *csect-name* **TCP/IP listener already started**

Explanation: A START LISTENER command was issued specifying TRPTYPE(TCP), but the TCP/IP listener was already active.

Severity: 0

System Action: None.

CSQX017I *csect-name* **LU 6.2 listener already started**

Explanation: A START LISTENER command was issued specifying TRPTYPE(LU62), but the LU 6.2 listener was already active.

Severity: 0

System Action: None.

CSQX018I *csect-name* **TCP/IP listener already stopped or stopping**

Explanation: A STOP LISTENER or START LISTENER command was issued specifying TRPTYPE(TCP), but the TCP/IP listener was already stopped or in the process of stopping.

Severity: 0

System Action: None.

CSQX019I *csect-name* **LU 6.2 listener already stopped or stopping**

Explanation: A STOP LISTENER or START LISTENER command was issued specifying TRPTYPE(LU62), but the LU 6.2 listener was already stopped or in the process of stopping.

Severity: 0

System Action: None.

CSQX022I *csect-name* **Channel initiator initialization complete**

Explanation: Initialization of the channel initiator completed normally, and the channel initiator is ready for use. Note, however, that processing of the CSQINPX command data set might still be in progress; its completion is shown by message CSQU012I.

Severity: 0

System Action: None.

CSQX027E *csect-name* **Unable to get storage, RC=return-code**

Explanation: An attempt to obtain some storage failed. *return-code* is the return code (in hexadecimal) from the OS/390 STORAGE service.

Severity: 8

System Action: The component where the error occurred (message channel agent, dispatcher, adapter subtask, listener, repository manager, supervisor, or trace formatter) usually terminates; in many cases, the end result will be that the channel initiator terminates.

System Programmer Response: See the *MVS Programming: Assembler Services Reference* manual for information about the return code from the STORAGE request.

CSQX028E *csect-name* **Unable to free storage, RC=return-code**

Explanation: An attempt to release some storage failed. *return-code* is the return code (in hexadecimal) from the OS/390 STORAGE service.

Severity: 8

System Action: The component where the error occurred (message channel agent, dispatcher, adapter subtask, repository manager, or listener) usually ignores the error and continues processing.

System Programmer Response: See the *MVS Programming: Assembler Services Reference* manual for information about the return code from the STORAGE request.

CSQX029I *csect-name* **Queue manager *qmgr-name* stopping, MQCC=*mqcc* MQRC=*mqrc***

Explanation: In response to an MQI call, the queue manager notified the channel initiator that it is stopping.

Severity: 0

System Action: The channel initiator terminates.

System Programmer Response: Refer to Appendix A, "API completion and reason codes" for information about *mqcc* and *mqrc*.

CSQX031E *csect-name* Initialization command handler ended abnormally, reason=00sssuuu

Explanation: The initialization command handler, which processes the CSQINPX command data set, is ending abnormally. *sss* is the system completion code, and *uuu* is the user completion code, (both in hexadecimal).

Severity: 8

System Action: The initialization command handler ends abnormally, but the channel initiator continues.

System Programmer Response: If a system completion code is shown, see the *MVS System Codes* manual for information about the problem; the message will normally be preceded by other messages giving additional information.

The most likely cause is erroneous definition of the CSQINPX and CSQOUTX data sets. See the *MQSeries for OS/390 System Management Guide* for information about the initialization command handler and these data sets. If you are unable to solve the problem, contact your IBM support center.

CSQX032I *csect-name* Initialization command handler terminated

Explanation: The initialization command handler, which processes the CSQINPX command data set, was terminated before completing all the commands because the channel initiator is stopping, and so cannot process any more commands.

Severity: 4

System Action: The initialization command handler ends.

System Programmer Response: Refer to the CSQOUTX data set for information about the commands that were processed. If the channel initiator is not stopping because of a STOP command, refer to the preceding messages for information about the problem causing it to stop.

See the *MQSeries for OS/390 System Management Guide* for information about the initialization command handler.

CSQX033E *csect-name* Channel initiator stopping because of errors

Explanation: A severe error, as reported in the preceding messages, occurred during channel initiator processing; the channel initiator is unable to continue.

Severity: 8

System Action: The channel initiator terminates.

System Programmer Response: Investigate the problem reported in the preceding messages.

CSQX034I *csect-name* Channel initiator stopping because queue manager is stopping

Explanation: The queue manager notified the channel initiator that it is stopping.

Severity: 0

System Action: The channel initiator terminates.

CSQX035I *csect-name* Connection to queue manager *qmgr-name* stopping or broken, MQCC=*mqcc* MQRC=*mqrc*

Explanation: In response to an MQI call, the channel initiator found that its connection to the queue manager was no longer available.

Severity: 0

System Action: The channel initiator terminates.

System Programmer Response: Refer to Appendix A, "API completion and reason codes" for information about *mqcc* and *mqrc*.

CSQX036E *csect-name* Unable to open *name*, MQCC=*mqcc* MQRC=*mqrc*

Explanation: An MQOPEN call for *name* was unsuccessful; *name* might be a queue name, queue manager name, or channel name. (The channel initiator can access channel definitions as objects using the MQI.)

Severity: 8

System Action: The component where the error occurred (message channel agent, dispatcher, adapter subtask, repository manager, listener, or supervisor) terminates. In the case of a message channel agent, the associated channel will be stopped.

System Programmer Response: Refer to Appendix A, "API completion and reason codes" for information about *mqcc* and *mqrc*. The most common cause of the problem will be that the channel and queue definitions are incorrect.

CSQX037E *csect-name* Unable to get message from *name*, MQCC=*mqcc* MQRC=*mqrc*

Explanation: An MQGET call for queue *name* was unsuccessful.

Severity: 8

System Action: The component where the error occurred (message channel agent, dispatcher, adapter subtask, repository manager, listener, or supervisor) terminates. In the case of a message channel agent, the associated channel will be stopped.

System Programmer Response: Refer to Appendix A, "API completion and reason codes" for information about *mqcc* and *mqrc*.

CSQX038E *csect-name* Unable to put message to *name*, MQCC=*mqcc* MQRC=*mqrc*

Explanation: An MQPUT call for queue *name* was unsuccessful.

Severity: 8

System Action: The component where the error occurred (message channel agent, dispatcher, adapter subtask, repository manager, listener, or supervisor) terminates. In the case of a message channel agent, the associated channel will be stopped.

System Programmer Response: Refer to Appendix A, "API completion and reason codes" for information about *mqcc* and *mqrc*.

CSQX039E *csect-name* Unable to close *name*, MQCC=*mqcc* MQRC=*mqrc*

Explanation: An MQCLOSE call for *name* was unsuccessful; *name* might be a queue name, queue manager name, or channel name. (The channel initiator can access channel definitions as objects using the MQI.)

Severity: 4

System Action: Processing continues.

System Programmer Response: Refer to Appendix A, "API completion and reason codes" for information about *mqcc* and *mqrc*.

CSQX040E *csect-name* Unable to inquire attributes for *name*,
MQCC=*mqcc* MQRC=*mqr*c

Explanation: An MQINQ call for *name* was unsuccessful; *name* might be a queue name, queue manager name, or channel name. (The channel initiator can access channel definitions as objects using the MQI.)

Severity: 8

System Action: The component where the error occurred (message channel agent, dispatcher, adapter subtask, repository manager, listener, or supervisor) terminates. In the case of a message channel agent, the associated channel will be stopped.

System Programmer Response: Refer to Appendix A, "API completion and reason codes" for information about *mqcc* and *mqr*c.

CSQX041E *csect-name* Unable to set attributes for *name*,
MQCC=*mqcc* MQRC=*mqr*c

Explanation: An MQSET call for *name* was unsuccessful; *name* might be a queue name or channel name. (The channel initiator can access channel definitions as objects using the MQI.)

Severity: 8

System Action: The component where the error occurred (message channel agent, dispatcher, adapter subtask, listener, or supervisor) terminates. In the case of a message channel agent, the associated channel will be stopped.

System Programmer Response: Refer to Appendix A, "API completion and reason codes" for information about *mqcc* and *mqr*c.

CSQX042E *csect-name* Unable to define *comp* to CTRACE, RC=*rc*
reason=*reason*

Explanation: The CTRACE component definitions (for component *comp*) required by the channel initiator could not be defined. *rc* is the return code and *reason* is the reason code (both in hexadecimal) from the OS/390 CTRACE service.

Severity: 8

System Action: The channel initiator does not start.

System Programmer Response: See the *MVS Authorized Assembler Services Reference* manual for information about the return and reason codes from the CTRACE request. If you are unable to solve the problem, contact your IBM support center for assistance.

CSQX043E *csect-name* Unable to delete *comp* from CTRACE,
RC=*rc* reason=*reason*

Explanation: The CTRACE component definitions (for component *comp*) used by the channel initiator could not be deleted. *rc* is the return code and *reason* is the reason code (both in hexadecimal) from the OS/390 CTRACE service.

Severity: 4

System Action: Channel initiator termination processing continues.

System Programmer Response: See the *MVS Authorized Assembler Services Reference* manual for information about the return and reason codes from the CTRACE request. If you are

unable to solve the problem, contact your IBM support center for assistance.

CSQX044E *csect-name* Unable to initialize PC routines, RC=*rc*
reason=*reason*

Explanation: The PC routines required by the channel initiator could not be defined. The reason code *reason* shows which OS/390 service failed:

00E74007 LXRES failed
00E74008 ETCRE failed
00E74009 ETCON failed

rc is the return code (in hexadecimal) from the indicated OS/390 service.

Severity: 8

System Action: The channel initiator does not start.

System Programmer Response: See the *MVS Authorized Assembler Services Reference* manual for information about the return codes from the OS/390 services. If you are unable to solve the problem, contact your IBM support center for assistance.

CSQX045E *csect-name* Unable to load *module-name*,
reason=*ssssrrrr*

Explanation: The channel initiator was unable to load a required module. *ssss* is the abend code and *rrrr* is the reason code (both in hexadecimal) from the OS/390 LOAD service.

System Action: The channel initiator terminates.

System Programmer Response: Check the console for messages indicating why the module was not loaded. See the *MVS Programming: Assembler Services Reference* manual for information about the codes from the LOAD request.

Ensure that the module is in the required library, and that it is referenced correctly. The channel initiator attempts to load this module from the library data sets under the STEPLIB DD statement of its started task procedure xxxxCHIN.

CSQX046E *csect-name* Unable to initialize data conversion
services, reason=*reason*

Explanation: The data conversion services required by the channel initiator could not be initialized. The reason code *reason* shows why:

00C10002 Unable to load modules
00C10003 Insufficient storage
other Internal error

Severity: 8

System Action: The channel initiator does not start.

System Programmer Response: Check the console for messages indicating that a module was not loaded. Ensure that the module is in the required library, and that it is referenced correctly. The channel initiator attempts to load this module from the library data sets under the STEPLIB DD statement of its started task procedure xxxxCHIN.

If you are unable to solve the problem, or there was an internal error, contact your IBM support center for assistance.

CSQX047E *csect-name* **Unable to commit messages for name,**
MQCC=mqcc MQRC=mqrc

Explanation: An MQCMIT call involving messages for queue *name* was unsuccessful.

Severity: 8

System Action: The component where the error occurred (supervisor) terminates.

System Programmer Response: Refer to Appendix A, "API completion and reason codes" for information about *mqcc* and *mqrc*.

CSQX048I *csect-name* **Unable to convert message for name,**
MQCC=mqcc MQRC=mqrc

Explanation: A message being put to an IMS bridge queue *name* required data conversion, but the conversion was not successful.

Severity: 0

System Action: The message is put without conversion, and processing continues.

System Programmer Response: Refer to Appendix A, "API completion and reason codes" for information about *mqcc* and *mqrc*.

CSQX049E *csect-name* **Unable to retrieve token for name name,**
RC=rc

Explanation: A token in a name/token pair required by the channel initiator could not be retrieved. *rc* is the return code (in hexadecimal) from the OS/390 IEANTRT service.

Severity: 8

System Action: The channel initiator does not start.

System Programmer Response: See the *MVS Authorized Assembler Services Reference* manual for information about the return code from the IEANTRT request. If you are unable to solve the problem, contact your IBM support center for assistance.

CSQX050E *csect-name* **Unable to create access list for queue manager, RC=rc**

Explanation: The channel initiator could not create the necessary storage access list for the queue manager to use. *rc* is the return code (in hexadecimal) from the OS/390 ALESERV service.

Severity: 8

System Action: The channel initiator does not start.

System Programmer Response: See the *MVS Authorized Assembler Services Reference* manual for information about the return code from the ALESERV request. If you are unable to solve the problem, contact your IBM support center for assistance.

CSQX051E *csect-name* **Unable to share storage with the queue manager, RC=rc**

Explanation: A request by the channel initiator to allow the queue manager to share some storage failed. *rc* is the return code (in hexadecimal) from the OS/390 IARVSERV service.

Severity: 8

System Action: The channel initiator does not start.

System Programmer Response: See the *MVS Authorized Assembler Services Reference* manual for information about the return code from the IARVSERV request. If you are unable to solve the problem, contact your IBM support center for assistance.

CSQX052I *csect-name* **Prerequisite products for clustering not available**

Explanation: The clustering function cannot operate because the version of OS/390 being used is not correct.

Severity: 4

System Action: Processing continues, but the clustering function is disabled.

System Programmer Response: Refer to the *MQSeries Planning Guide* for information about what product levels are required.

CSQX053E *csect-name* **Error information recorded in CSQSNAP data set**

Explanation: An internal error has occurred. Information about the error is written to the data set identified by the CSQSNAP DD statement of the channel initiator started task procedure, xxxxCHIN.

Severity: 8

System Action: Processing continues.

System Programmer Response: Collect the items listed in the Problem Determination section and contact your IBM support center.

Problem Determination: Collect the following diagnostic items:

- MQSeries job log
- Channel initiator job log
- The CSQSNAP data set

CSQX054E *csect-name* **Repository manager ended abnormally,**
reason=sssuuu-reason

Explanation: The repository manager is ending abnormally because an error that cannot be corrected has occurred. *sss* is the system completion code, *uuu* is the user completion code, and *reason* is the associated reason code (all in hexadecimal).

Severity: 8

System Action: The repository manager ends abnormally, and a dump is normally issued. The channel initiator will attempt to restart it.

System Programmer Response: User completion codes are generally the result of errors detected by the Language Environment®; see the *Language Environment for OS/390 Debugging Guide and Runtime Messages* for information about these codes. Otherwise, contact your IBM support center.

CSQX090I *csect-name* **Parameters ...**

Explanation: The channel initiator is being started with the parameter values shown in the following messages.

Severity: 0

System Action: The channel initiator startup processing continues.

CSQX091I *csect-name* **parms**

Explanation: The channel initiator is being started with the parameter values shown. See the *MQSeries for OS/390 System Management Guide* for information about the channel initiator parameters.

Severity: 0

System Action: The channel initiator startup processing continues.

CSQX092I *csect-name parms*

Explanation: The channel initiator is being started with the parameter values shown. See the *MQSeries for OS/390 System Management Guide* for information about the channel initiator parameters.

Severity: 0

System Action: The channel initiator startup processing continues.

CSQX093I *csect-name parms*

Explanation: The channel initiator is being started with the parameter values shown. See the *MQSeries for OS/390 System Management Guide* for information about the channel initiator parameters.

Severity: 0

System Action: The channel initiator startup processing continues.

CSQX094I *csect-name parms*

Explanation: The channel initiator is being started with the parameter values shown. See the *MQSeries for OS/390 System Management Guide* for information about the channel initiator parameters.

Severity: 0

System Action: The channel initiator startup processing continues.

CSQX099I *csect-name Client attachment feature available*

Explanation: The client attachment feature has been installed, so clients can be attached to and MQI channels can be used with the channel initiator.

Severity: 0

System Action: The channel initiator startup processing continues.

CSQX100E *csect-name Dispatcher failed to start, TCB=tcb-name*

Explanation: A severe error, as reported in the preceding messages, occurred during dispatcher startup processing.

Severity: 8

System Action: The channel initiator will attempt to restart the dispatcher. The number of current TCP/IP and LU 6.2 channels allowed will be reduced proportionately.

System Programmer Response: Investigate the problem reported in the preceding messages.

CSQX101E *csect-name Dispatcher unable to schedule essential process process*

Explanation: During dispatcher startup processing, one of the essential dispatcher processes (named *process*) could not be scheduled.

Severity: 8

System Action: The dispatcher does not start.

System Programmer Response: The most likely cause is insufficient storage. If increasing the available storage does not solve the problem, contact your IBM support center.

CSQX102E *csect-name Dispatcher linkage stack error, TCB=tcb-name*

Explanation: The dispatcher using TCB *tcb-name* detected an inconsistency in the linkage stack.

Severity: 8

System Action: The dispatcher ends abnormally with completion code 5C6 and reason code 00E7010E, and a dump is issued.

System Programmer Response: The most likely cause is incorrect use of the linkage stack by a user channel exit; exits must issue any MQI calls and return to the caller at the same linkage stack level as they were entered. If exits are not being used, or if they do not use the linkage stack, contact your IBM support center.

CSQX103E *csect-name Dispatcher unexpected error, TCB=tcb-name RC=return-code*

Explanation: The dispatcher using TCB *tcb-name* had an internal error.

Severity: 8

System Action: The dispatcher ends abnormally with completion code 5C6 and reason code 00E7010F, and a dump is issued.

System Programmer Response: Contact your IBM support center.

CSQX104E *csect-name Unable to establish ESTAE, RC=return-code*

Explanation: During startup processing, the recovery environment could not be set up. *return-code* is the return code (in hexadecimal) from the OS/390 ESTAE service.

Severity: 8

System Action: The component that was starting (dispatcher, adapter subtask, supervisor, repository manager, or channel initiator itself) does not start.

System Programmer Response: See the *MVS Programming: Assembler Services Reference* manual for information about the return code from the ESTAE request. If you are unable to solve the problem, contact your IBM support center for assistance.

CSQX105E *csect-name Unable to connect to TCP/IP, RC=return-code reason=reason*

Explanation: Use of TCP/IP was requested, but an attempt to connect to the TCP/IP address space was not successful. *return-code* shows the type of failure:

- 00000002 IUCV set failed
- 00000003 IUCV connect failed
- 00000004 IUCV connect reply error
- 00000005 Initial TCP/IP send failed
- 00000006 Initial TCP/IP reply error

For the above codes, *reason* shows the associated return code from TCP/IP, in hexadecimal. These can occur if the TCP/IP address space name is not specified correctly, or if TCP/IP is not active.

00000040 Unable to load IUCVMULT

reason is *ssssrrrr*, where *ssss* is the abend code and *rrrr* is the reason code (both in hexadecimal) from the OS/390 LOAD service. This can occur if TCP/IP is not installed.

00000041 Unable to get PCs for IUCV and TCP/IP

This can occur if the TCP/IP option was not chosen when MQSeries for OS/390 was installed.

- 00000042** Insufficient storage
reason is the return code (in hexadecimal) from the OS/390 STORAGE service.
- 00000100** Unable to communicate with OpenEdition®, as reported in the preceding CSQX106I message. *reason* has no meaning in this case.
- 00000101** Unable to communicate with OpenEdition because TCPNAME does not specify a valid TCP/IP stack name. These names are defined in the SUBFILESYSTYPE NAME parameter in member BPXPRMxx for SYS1.PARMLIB. *reason* has no meaning in this case.

Severity: 4

System Action: Processing continues, but communications using TCP/IP will not be available.

System Programmer Response: Ensure that the name of the TCP/IP address space is specified correctly in the channel initiator parameters, and that the TCP/IP address space is started. If you do not want to use TCP/IP, ensure that the TCPCHL channel initiator parameter is set to 0.

See Appendix D, "Communications protocol return codes" for information about the cause of the return code from TCP/IP. See the *MVS Programming: Assembler Services Reference* manual for information about the codes from the LOAD and STORAGE requests.

CSQX106I *csect-name* **Channel initiator user ID incorrectly configured for OpenEdition, RC=return-code reason=reason**

Explanation: Use of TCP/IP with the OpenEdition sockets interface was requested, but the user ID that the channel initiator uses is not set up correctly for use with OpenEdition. For example, it might not have a valid OMVS segment defined or its security profile might be incomplete. *return-code* and *reason* are the return and reason codes (both in hexadecimal) from the OpenEdition BPX1SDD service.

Severity: 4

System Action: Processing continues, but communications using TCP/IP might not be available.

System Programmer Response: See the *OS/390 OpenEdition Messages and Codes* manual for information about the codes from the BPX1SDD request.

CSQX107I *csect-name* **TCP/IP using TCPTYPE=*tcptype* is not available**

Explanation: Use of TCP/IP with the *tcptype* interface was specified by the channel initiator parameters, but that interface is not available with the libraries that the channel initiator is using.

Severity: 4

System Action: Processing continues, but communications using TCP/IP will not be available.

System Programmer Response: Check that the correct library data set for the channel initiator has been specified in the STEPLIB DD statement of its started task procedure xxxxCHIN, and that the TCPTYPE channel initiator parameter is correct. For TCPTYPE=OESOCKET or TCPTYPE=IUCV, the SCSQMVR1 library is required; for TCPTYPE=SNSTCPACCESS, the SCSQMVR2 library is required. See the *MQSeries for OS/390 System*

Management Guide for more information about the channel initiator parameters and the library data sets.

CSQX110E *csect-name* **User data conversion exit error, TCB=*tcb-name* reason=sssuuu-reason**

Explanation: A process for the dispatcher using TCB *tcb-name* is ending abnormally because an error that cannot be corrected has occurred in a user data conversion exit. *sss* is the system completion code, *uuu* is the user completion code, and *reason* is the associated reason code (all in hexadecimal).

Severity: 8

System Action: The process ends abnormally, and a dump is normally issued. The channel is stopped, and must be restarted manually.

System Programmer Response: User completion codes are generally the result of errors detected by the Language Environment; see the *Language Environment for OS/390 Debugging Guide and Runtime Messages* for information about these codes. If a system completion code is shown, see the *MVS System Codes* manual for information about the problem in your exit.

CSQX111E *csect-name* **User channel exit error, TCB=*tcb-name* reason=sssuuu-reason**

Explanation: A process for the dispatcher using TCB *tcb-name* is ending abnormally because an error that cannot be corrected has occurred in a user channel exit. *sss* is the system completion code, *uuu* is the user completion code, and *reason* is the associated reason code (all in hexadecimal).

Severity: 8

System Action: The process ends abnormally, and a dump is normally issued. The channel is stopped, and must be restarted manually. For auto-defined channels, the channel does not start.

System Programmer Response: User completion codes are generally the result of errors detected by the Language Environment; see the *Language Environment for OS/390 Debugging Guide and Runtime Messages* for information about these codes. If a system completion code is shown, see the *MVS System Codes* manual for information about the problem in your exit.

CSQX112E *csect-name* **Dispatcher process error, TCB=*tcb-name* reason=sssuuu-reason**

Explanation: A process run by the dispatcher using TCB *tcb-name* is ending abnormally because an error that cannot be corrected has occurred. *sss* is the system completion code, *uuu* is the user completion code, and *reason* is the associated reason code (all in hexadecimal).

Severity: 8

System Action: The process ends abnormally, and a dump is normally issued. If the process is a message channel agent, the channel is stopped, and will need to be restarted manually.

System Programmer Response: User completion codes are generally the result of errors detected by the Language Environment; see the *Language Environment for OS/390 Debugging Guide and Runtime Messages* for information about these codes. If a system completion code is shown, and you are using user channel exits, check that your exit is setting its parameter lists correctly; otherwise, contact your IBM support center.

CSQX113E *csect-name* **Dispatcher ended abnormally,**
TCB=*tcb-name* reason=*sssuuu-reason*

Explanation: The dispatcher using TCB *tcb-name* is ending abnormally because an error that cannot be corrected has occurred. *sss* is the system completion code, *uuu* is the user completion code, and *reason* is the associated reason code (all in hexadecimal).

Severity: 8

System Action: The dispatcher ends abnormally, and a dump is normally issued.

System Programmer Response: User completion codes are generally the result of errors detected by the Language Environment; see the *Language Environment for OS/390 Debugging Guide and Runtime Messages* for information about these codes. Otherwise, contact your IBM support center.

CSQX114E *csect-name* **Dispatcher failed, RC=*return-code***

Explanation: A dispatcher ended abnormally, as reported in the preceding messages, and could not be restarted. *return-code* shows the type of failure:

0000000A	Startup error
0000000B	Linkage stack error
0000000D	Uncorrectable error
other	Completion code in the form 00 <i>sssuuu</i> , where <i>sss</i> is the system completion code and <i>uuu</i> is the user completion code (both in hexadecimal).

Severity: 8

System Action: The channel initiator will attempt to restart the dispatcher. The number of current TCP/IP and LU 6.2 channels allowed will be reduced proportionately.

System Programmer Response: Investigate the problem reported in the preceding messages.

CSQX115E *csect-name* **Dispatcher not restarted – too many failures**

Explanation: A dispatcher failed; because it had already failed too many times, the channel initiator did not attempt to restart it.

Severity: 8

System Action: The dispatcher is not restarted. The number of current TCP/IP and LU 6.2 channels allowed will be reduced proportionately, and other processing capacity might be reduced.

System Programmer Response: Investigate the problems causing the dispatcher failures.

CSQX116I *csect-name* **Dispatcher restarted, *number* dispatchers active**

Explanation: A dispatcher failed, but was successfully restarted by the channel initiator. *number* dispatchers are now active.

Severity: 0

System Action: Processing continues. The number of current TCP/IP and LU 6.2 channels allowed will be increased proportionately.

CSQX118I *csect-name* **TCP/IP channel limit reduced to *nn***

Explanation: This is issued during channel initiator startup processing and in response to the DISPLAY DQM command if the maximum number of current TCP/IP channels allowed is less than is specified in the TCPCHL parameter of the channel initiator. This can occur because:

- TCP/IP resources are restricted. The OpenEdition MAXFILEPROC parameter (specified in the BPXPRMxx member of SYS1.PARMLIB) controls how many sockets each task is allowed; in other words, how many channels each dispatcher is allowed
- Some dispatchers have failed and not been restarted; the number of current TCP/IP channels allowed will be reduced proportionately

Severity: 0

System Programmer Response: If TCP/IP resources are restricted, consider increasing either the OpenEdition MAXFILEPROCS parameter or the number of dispatchers if you need more current TCP/IP channels.

CSQX119I *csect-name* **LU 6.2 channel limit reduced to *nn***

Explanation: This is issued during channel initiator startup processing and in response to the DISPLAY DQM command if the maximum number of current LU 6.2 channels allowed is less than is specified in the LU62CHL parameter of the channel initiator. This can occur because some dispatchers have failed and not been restarted; the number of current LU 6.2 channels allowed will be reduced proportionately.

Severity: 0

CSQX130E *csect-name* **Adapter failed to start**

Explanation: A severe error, as reported in the preceding messages, occurred during adapter subtask startup processing.

Severity: 8

System Action: The channel initiator will attempt to restart the adapter subtask.

System Programmer Response: Investigate the problem reported in the preceding messages.

CSQX131I *csect-name* **started adapter subtasks started, failed failed**

Explanation: The channel initiator startup procedure has started the requested number of adapter subtasks; *started* adapter subtasks started successfully and *failed* adapter subtasks did not start.

Severity: 0

System Action: The channel initiator startup processing continues.

System Programmer Response: If the message indicates that some adapter subtasks failed, investigate the problem reported in the preceding messages.

CSQX139E *csect-name* Adapter subtask failed to start,
TCB=*tcb-name*

Explanation: A severe error, as reported in the preceding messages, occurred during adapter subtask startup processing.

Severity: 8

System Action: The channel initiator will attempt to restart the adapter subtask.

System Programmer Response: Investigate the problem reported in the preceding messages.

CSQX141E *csect-name* Unexpected MQI call error, MQCC=*mqcc*
MQRC=*mqrc*

Explanation: The adapter subtask received an unknown return code *mqrc* from an MQI call.

Severity: 8

System Action: The adapter subtask issues a dump with completion code 5C6 and reason code 00E7010C or 00E7014F, and gives an MQRC_UNEXPECTED_ERROR return code to its caller.

System Programmer Response: Contact your IBM support center.

CSQX143E *csect-name* Adapter subtask ended abnormally,
TCB=*tcb-name* reason=*sssuuu-reason*

Explanation: The adapter subtask using TCB *tcb-name* is ending abnormally because an error that cannot be corrected has occurred. *sss* is the system completion code, *uuu* is the user completion code, and *reason* is the associated reason code (all in hexadecimal).

Severity: 8

System Action: The adapter subtask ends abnormally, and a dump is normally issued.

System Programmer Response: If you are using user channel exits, check that your exit is setting its parameter lists correctly. User completion codes are generally the result of errors detected by the Language Environment; see the *Language Environment for OS/390 Debugging Guide and Runtime Messages* for information about these codes. Otherwise, contact your IBM support center.

CSQX144E *csect-name* Adapter subtask attach failed,
RC=*return-code*

Explanation: An adapter subtask could not be attached. *return-code* is the return code (in hexadecimal) from the OS/390 ATTACH service.

Severity: 8

System Action: The adapter subtask is not restarted.

System Programmer Response: See the *MVS Programming: Assembler Services Reference* manual for information about the return code from the ATTACH request. If you are unable to solve the problem, contact your IBM support center for assistance.

CSQX145E *csect-name* Adapter subtask not restarted – too many failures

Explanation: A adapter subtask failed; because it had already failed too many times, the channel initiator did not attempt to restart it.

Severity: 8

System Action: The adapter subtask is not restarted; processing capacity might therefore be reduced.

System Programmer Response: Investigate the problems causing the adapter subtask failures.

CSQX146I *csect-name* Adapter subtask restarted, active subtasks active

Explanation: A adapter subtask failed, but was successfully restarted by the channel initiator. *active* adapter subtasks are now active.

Severity: 0

System Action: Processing continues.

CSQX181E *csect-name* Invalid response *response* set by exit
exit-name

Explanation: The user exit *exit-name* returned an invalid response code (*response*, shown in hexadecimal) in the *ExitResponse* field of the channel exit parameters (MQCXP).

Severity: 8

System Action: Message CSQX190E is issued giving more details, and the channel stops. For auto-defined channels, the channel does not start.

System Programmer Response: Investigate why the user exit program set an invalid response code.

CSQX182E *csect-name* Invalid secondary response *response* set
by exit *exit-name*

Explanation: The user exit *exit-name* returned an invalid secondary response code (*response*, shown in hexadecimal) in the *ExitResponse2* field of the channel exit parameters (MQCXP).

Severity: 8

System Action: Message CSQX190E is issued giving more details, and the channel stops. For auto-defined channels, the channel does not start.

System Programmer Response: Investigate why the user exit program set an invalid secondary response code.

CSQX184E *csect-name* Invalid exit buffer address *address* set by
exit *exit-name*

Explanation: The user exit *exit-name* returned an invalid address for the exit buffer when the secondary response code in the *ExitResponse2* field of the channel exit parameters (MQCXP) is set to MQXR2_USE_EXIT_BUFFER.

Severity: 8

System Action: Message CSQX190E is issued giving more details, and the channel stops. For auto-defined channels, the channel does not start.

System Programmer Response: Investigate why the user exit program set an invalid exit buffer address. The most likely cause is failing to set a value, so that it is 0.

CSQX189E *csect-name* Invalid data length *length* set by exit
exit-name

Explanation: The user exit *exit-name* returned a data length value that was not greater than zero.

Severity: 8

System Action: Message CSQX190E is issued giving more details, and the channel stops. For auto-defined channels, the channel does not start.

System Programmer Response: Investigate why the user exit program set an invalid data length.

CSQX190E *csect-name* **Channel** *channel-name* **stopping because of error in exit** *exit-name*, **ld=Exitld** **reason=ExitReason**

Explanation: The user exit *exit-name* invoked for channel *channel-name* returned invalid values, as reported in the preceding messages. *Exitld* shows the type of exit:

- 11 MQXT_CHANNEL_SEC_EXIT, security exit
- 12 MQXT_CHANNEL_MSG_EXIT, message exit
- 13 MQXT_CHANNEL_SEND_EXIT, send exit
- 14 MQXT_CHANNEL_RCXV_EXIT, receive exit
- 16 MQXT_CHANNEL_AUTO_DEF_EXIT, auto-definition exit

and *ExitReason* shows the reason for invoking it:

- 11 MQXR_INIT, initialization
- 12 MQXR_TERM, termination
- 13 MQXR_MSG, process a message
- 14 MQXR_XMIT, process a transmission
- 15 MQXR_SEC_MSG, security message received
- 16 MQXR_INIT_SEC, initiate security exchange
- 18 MQXR_AUTO_CLUSSDR, auto-definition of cluster-sender channel
- 28 MQXR_AUTO_CLUSRCVR, auto-definition of cluster-receiver channel

Severity: 8

System Action: The channel stops. The associated transmission queue might be set to GET(DISABLED) and triggering turned off. For auto-defined channels, the channel does not start.

System Programmer Response: Investigate why the user exit program set invalid values.

CSQX196E *csect-name* **Data length** *data-length* **set by exit** *exit-name* **is larger than agent buffer length** *ab-length*

Explanation: The user exit *exit-name* returned data in the supplied agent buffer, but the length specified is greater than the length of the buffer.

Severity: 8

System Action: Message CSQX190E is issued giving more details, and the channel stops. For auto-defined channels, the channel does not start.

System Programmer Response: Investigate why the user exit program set an invalid data length.

CSQX197E *csect-name* **Data length** *data-length* **set by exit** *exit-name* **is larger than exit buffer length** *eb-length*

Explanation: The user exit *exit-name* returned data in the supplied exit buffer, but the length specified is greater than the length of the buffer.

Severity: 8

System Action: Message CSQX190E is issued giving more details, and the channel stops. For auto-defined channels, the channel does not start.

System Programmer Response: Investigate why the user exit program set an invalid data length.

CSQX201E *csect-name* **Unable to allocate conversation, channel** *channel-name*, **connection** *conn-id*, **TRPTYPE=trptype** **RC=return-code**

Explanation: An attempt to allocate a conversation on connection *conn-id* was not successful. The associated channel is *channel-name*; in some cases its name cannot be determined and so is omitted.

trptype shows the communications system used:

TCP TCP/IP
LU62 APPC/MVS

and the return code from it (in hexadecimal) was *return-code*.

Severity: 8

System Action: The channel is not started.

System Programmer Response: The error might be due to an incorrect entry in the channel definition. Correct the error and try again.

It could also be that the listening program at the remote queue manager is not running. If so, perform the necessary operations to start the listener for *trptype*, and try again.

See Appendix D, "Communications protocol return codes" for information about the cause of the return code from the communications system.

CSQX202E *csect-name* **Connection or remote listener** **unavailable, channel** *channel-name*, **connection** *conn-id*, **TRPTYPE=trptype** **RC=return-code**

Explanation: An attempt to allocate a conversation was not successful because the connection *conn-id* was unavailable. The associated channel is *channel-name*; in some cases its name cannot be determined and so is omitted. *trptype* shows the communications system used:

TCP TCP/IP
LU62 APPC/MVS

and the return code from it (in hexadecimal) was *return-code*.

Severity: 8

System Action: The attempt to start the channel is retried.

System Programmer Response: Try again later.

A likely cause is that the listener at the remote queue manager was not running or has been started using the wrong port or LU name. If this is the case, perform the necessary operations to start the appropriate listener, and try again.

See Appendix D, "Communications protocol return codes" for information about the cause of the return code from the communications system.

CSQX203E *csect-name* **Error in communications configuration,** **channel** *channel-name*, **connection** *conn-id*, **TRPTYPE=trptype** **RC=return-code** **reason=reason**

Explanation: An attempt to allocate a conversation on connection *conn-id* was not successful because of a communications configuration error. The associated channel is *channel-name*; in some cases its name cannot be determined and so is omitted. *trptype* shows the communications system used:

TCP TCP/IP
LU62 APPC/MVS

and the return code from it (in hexadecimal) was *return-code*. For some errors, there might also be an associated reason code *reason* (in hexadecimal) giving more information.

Severity: 8

System Action: The channel is not started.

System Programmer Response: The problem was probably caused by one of the following:

- If the communications protocol is LU 6.2, it might be that one of the transmission parameters (MODENAME or TPNAME or PARTNER_LU) in the side information is incorrect, or that there

is no side information for the symbolic destination name specified as the connection name. Correct the error and try again.

- If the communications protocol is LU 6.2, it might be that an LU 6.2 session has not been established, perhaps because the LU has not been enabled. Issue the OS/390 VARY ACTIVE command if this is the case.
- If the communications protocol is TCP/IP, it might be that the connection name specified is incorrect, or that it cannot be resolved to a network address, or the name might not be in the name server. Correct the error and try again.

See Appendix D, “Communications protocol return codes” for information about the cause of the return code from the communications system.

CSQX204E *csect-name* **Connection attempt rejected, channel**
channel-name, connection conn-id, TRPTYPE=trptype
RC=return-code

Explanation: An attempt to connect on connection *conn-id* was rejected. The associated channel is *channel-name*; in some cases its name cannot be determined and so is omitted. *trptype* shows the communications system used:

TCP TCP/IP
LU62 APPC/MVS

and the return code from it (in hexadecimal) was *return-code*.

Severity: 8

System Action: The channel is not started.

System Programmer Response: Check the appropriate listener has been started on the remote queue manager.

If the communications protocol is LU 6.2, it is possible that either the user ID or password supplied at the remote LU is incorrect. The remote host or LU might not be configured to allow connections from the local host or LU.

If the communications protocol is TCP/IP, it is possible that the remote host does not recognize the local host.

See Appendix D, “Communications protocol return codes” for information about the cause of the return code from the communications system.

CSQX205E *csect-name* **Unable to resolve network address,**
channel *channel-name, connection conn-id,*
TRPTYPE=TCP RC=return-code

Explanation: The supplied connection name *conn-id* could not be resolved into a TCP/IP network address. The associated channel is *channel-name*; in some cases its name cannot be determined and so is omitted. The return code from TCP/IP (in hexadecimal) was *return-code*.

Severity: 8

System Action: The channel is not started.

System Programmer Response: Check the local TCP/IP configuration. Either the name server does not contain the host or LU name, or the name server was not available.

See Appendix D, “Communications protocol return codes” for information about the cause of the return code from TCP/IP.

CSQX206E *csect-name* **Error sending data, channel**
channel-name, connection conn-id, TRPTYPE=trptype
RC=return-code

Explanation: An error occurred sending data to *conn-id*, which might be due to a communications failure. The associated channel is *channel-name*; in some cases its name cannot be determined and so is omitted. *trptype* shows the communications system used:

TCP TCP/IP
LU62 APPC/MVS

and the return code from it (in hexadecimal) was *return-code*.

Severity: 8

System Action: The channel is stopped. The associated transmission queue might be set to GET(DISABLED) and triggering turned off.

System Programmer Response: See Appendix D, “Communications protocol return codes” for information about the cause of the return code from the communications system.

Note that the error might have occurred because the channel at the other end has stopped for some reason, for example an error in a receive user exit.

CSQX207E *csect-name* **Invalid data received, connection** *conn-id,*
TRPTYPE=trptype

Explanation: Data received from connection *conn-id* was not in the required format. *trptype* shows the communications system used:

TCP TCP/IP
LU62 APPC/MVS

Severity: 8

System Action: The data is ignored.

System Programmer Response: A likely cause is that an unknown host or LU is attempting to send data.

CSQX208E *csect-name* **Error receiving data, channel**
channel-name, connection conn-id, TRPTYPE=trptype
RC=return-code

Explanation: An error occurred receiving data from connection *conn-id*, which might be due to a communications failure. The associated channel is *channel-name*; in some cases its name cannot be determined and so is omitted. *trptype* shows the communications system used:

TCP TCP/IP
LU62 APPC/MVS

and the return code from it (in hexadecimal) was *return-code*.

Severity: 8

System Action: The channel is stopped. The associated transmission queue might be set to GET(DISABLED) and triggering turned off.

System Programmer Response: See Appendix D, “Communications protocol return codes” for information about the cause of the return code from the communications system.

CSQX209E *csect-name* **Connection unexpectedly terminated, channel *channel-name*, connection *conn-id*, TRPTYPE=*trptype***

Explanation: An error occurred receiving data from connection *conn-id*. The connection to the remote host or LU has unexpectedly terminated. The associated channel is *channel-name*; in some cases its name cannot be determined and so is omitted. *trptype* shows the communications system used:

TCP TCP/IP
LU62 APPC/MVS

However, this message can also occur in cases where there is no error; for example, if a TCP/IP TELNET command is issued that is directed at the port which the channel initiator is using.

Severity: 8

System Action: If a channel is involved, it is stopped. The associated transmission queue might be set to GET(DISABLED) and triggering turned off.

System Programmer Response: Review the local and remote console logs for reports of network errors.

CSQX210E *csect-name* **Unable to complete bind, channel *channel-name*, connection *conn-id*, TRPTYPE=LU62 RC=*return-code* reason=*reason***

Explanation: An incoming attach request arrived from a remote queue manager, on connection *conn-id*, but the local host or LU was unable to complete the bind. The associated channel is *channel-name*; in some cases its name cannot be determined and so is omitted. The return code from APPC/MVS allocate services was *return-code* and the associated reason code was *reason* (both in hexadecimal).

Severity: 8

System Action: The channel is not started.

System Programmer Response: Check the APPC/MVS configuration.

See "APPC allocate services return codes" on page 426 for the cause of the return code from APPC/MVS allocate services, and the *MVS Writing Servers for APPC/MVS* manual for more information.

CSQX212E *csect-name* **Unable to allocate socket, channel *channel-name*, TRPTYPE=TCP, RC=*return-code***

Explanation: A TCP/IP socket could not be created, possibly because of a storage problem. The associated channel is *channel-name*; in some cases its name cannot be determined and so is omitted. The return code (in hexadecimal) from TCP/IP was *return-code*.

Severity: 8

System Action: The channel is not started.

System Programmer Response:

See Appendix D, "Communications protocol return codes" for information about the cause of the return code from TCP/IP.

CSQX213E *csect-name* **Communications error, channel *channel-name*, TRPTYPE=*trptype* RC=*return-code* reason=*reason***

Explanation: An unexpected communications error occurred for a listener or a channel. If it was for a listener, the *csect-name* is CSQXCLMA, and there is no channel name. If it was for a channel, the channel is *channel-name*; in some cases its name cannot be determined and so is omitted. *trptype* shows the communications system used:

TCP TCP/IP
LU62 APPC/MVS

return-code is

- normally, the return code (in hexadecimal) from the communications system
- for an LU 6.2 listener, it might be the reason code (in hexadecimal) from APPC/MVS allocate services
- if it is of the form 10009*nnn* or 20009*nnn*, it is a distributed queuing message code.
- it might be 00010101, if the channel was stopped with mode FORCE

For some errors, there might also be an associated reason code *reason* (in hexadecimal) giving more information.

Severity: 8

System Action: If the error occurred for a channel, the channel is stopped. For a listener, the channel is not started or, in some cases, the listener terminates.

System Programmer Response: See Appendix D, "Communications protocol return codes" for information about the cause of the return code from the communications system.

A distributed queuing message code *nnn* is generally associated with message CSQX*nnn*E, which will normally be issued previously. See that message explanation for more information. Where no such message is described, see Appendix E, "Distributed queuing message codes" for the corresponding message number.

Check for error messages on the partner system that might indicate the cause of the problem.

CSQX215E *csect-name* **Communications network not available, TRPTYPE=*trptype***

Explanation: An attempt was made to use the communications system, but it has not been started or has stopped. *trptype* shows the communications system:

TCP TCP/IP
LU62 APPC/MVS

Severity: 8

System Action: The channel or listener is not started.

System Programmer Response: Start the communications system, and try again. If the communications system is TCP/IP **not** using OpenEdition sockets, the channel initiator will also need to be restarted.

CSQX218E *csect-name* Listener unable to bind to port *port*,
TRPTYPE=TCP RC=*return-code*

Explanation: An attempt to bind the TCP/IP socket to the indicated listener port was not successful. The return code (in hexadecimal) from TCP/IP was *return-code*.

Severity: 8

System Action: The listener is not started.

System Programmer Response: The failure could be due to another program using the same port number.

See Appendix D, "Communications protocol return codes" for information about the return code from TCP/IP.

CSQX219E *csect-name* Listener unable to create a new
connection, TRPTYPE=TCP

Explanation: An attempt was made to create a new TCP/IP socket because an attach request was received, but an error occurred.

Severity: 8

System Action: The listener stops.

System Programmer Response: The failure might be transitory, try again later. If the problem persists, it might be necessary to stop some other jobs that use TCP/IP, or to restart TCP/IP. If you are **not** using OpenEdition sockets, you will also need to restart the channel initiator.

CSQX220E *csect-name* Communications network not available,
channel *channel-name*, TRPTYPE=*trptype*

Explanation: An attempt was made to use the communications system by a channel or a listener, but it has not been started or has stopped. If it was for a channel, the channel is *channel-name*; in some cases its name cannot be determined and so is omitted. If it was for a listener, the channel name is again omitted. *trptype* shows the communications system:

TCP TCP/IP
LU62 APPC/MVS

Severity: 8

System Action: The channel or listener is not started.

System Programmer Response: Start the communications system, and try again. If the communications system is TCP/IP **not** using OpenEdition sockets, the channel initiator will also need to be restarted.

CSQX228E *csect-name* Listener unable to start channel, channel
channel-name, TRPTYPE=*trptype*

Explanation: An incoming attach request arrived from a remote queue manager, but the listener for *trptype* could not start an instance of a channel to respond to it. The associated channel is *channel-name*; in some cases its name cannot be determined and so is omitted.

However, this message can also occur in cases where there is no error; for example, if a TCP/IP TELNET command is issued that is directed at the port which the channel initiator is using.

Severity: 8

System Action: If a channel is involved, it is not started.

System Programmer Response: The failure could be because the channel initiator is currently too busy; try again when there are fewer channels running. If the problem persists, increase the number of dispatchers used by the channel initiator.

CSQX234I *csect-name* Listener stopped, TRPTYPE=*trptype*

Explanation: The specified listener terminated. This may be because a STOP command was issued, because there was an error in the communications system, or because of some other error.

Severity: 0

System Action: Processing continues. If the listener was not deliberately stopped, and if the communications protocol is TCP/IP using OpenEdition sockets or LU 6.2, the channel initiator will attempt to restart the listener, at the intervals specified by the LSTRTMR channel initiator parameter.

System Programmer Response: If the listener was not deliberately stopped, look at any preceding messages relating to the channel initiator or to the TCP/IP, OMVS, or APPC address spaces to determine the cause. If there was an error in the communications system and the communications protocol is TCP/IP **not** using OpenEdition sockets, you will need to restart the channel initiator after the problem has been resolved.

CSQX250E *csect-name* Listener ended abnormally,
TRPTYPE=*trptype* reason=*ssssuuu-reason*

Explanation: The specified listener is ending abnormally because an error that cannot be corrected has occurred. *sss* is the system completion code, *uuu* is the user completion code, and *reason* is the associated reason code (all in hexadecimal).

Severity: 8

System Action: The listener ends abnormally, and a dump is normally issued. If the communications protocol is TCP/IP using OpenEdition sockets or LU 6.2, the channel initiator will attempt to restart the listener, at the intervals specified by the LSTRTMR channel initiator parameter.

System Programmer Response: User completion codes are generally the result of errors detected by the Language Environment; see the *Language Environment for OS/390 Debugging Guide and Runtime Messages* for information about these codes. Otherwise, contact your IBM support center.

CSQX251I *csect-name* Listener started, TRPTYPE=*trptype*

Explanation: The specified listener started successfully. This might be as a result of a START LISTENER command, or because the listener restarted automatically following an error.

Severity: 0

System Action: Processing continues.

CSQX403I *csect-name* Auto-definition of channel *channel-name*
suppressed by exit *exit-name*

Explanation: In response to a request to start a channel that was not defined, an attempt was made to define it automatically. The channel auto-definition exit *exit-name* prevented it being defined.

Severity: 0

System Action: The channel is not started.

CSQX410I *csect-name* Repository manager started

Explanation: The repository manager started successfully.

Severity: 0

System Action: None.

CSQX411I *csect-name* **Repository manager stopped**

Explanation: The repository manager stopped. This may be for one of three reasons:

- The channel initiator is stopping.
- The channel initiator is starting and the queues used by the repository manager have not been defined because clustering is not required.
- An error has occurred.

Severity: 0

System Action: Processing continues, but clustering is not available.

System Programmer Response: If an error has occurred, investigate the problem reported in the preceding messages.

CSQX412E *csect-name* **Misdirected repository command, target**
target-id sender sender-id

Explanation: The repository manager received a command intended for some other queue manager, whose identifier is *target-id*. The command was sent by the queue manager with identifier *sender-id*.

Severity: 8

System Action: The command is ignored, and the error is reported to the sender.

System Programmer Response: Check the channel and cluster definitions of the sending queue manager.

CSQX413E *csect-name* **Repository command format error,**
command code *command*

Explanation: An internal error has occurred.

Severity: 8

System Action: The command is ignored, and the error is reported to the sender. Information about the error is written to the data set identified by the CSQSNAP DD statement of the channel initiator started task procedure, xxxxCHIN.

System Programmer Response: Collect the items listed in the Problem Determination section and contact your IBM support center.

Problem Determination: Collect the following diagnostic items:

- MQSeries job log
- Channel initiator job log
- The CSQSNAP data set

CSQX415E *csect-name* **Repository command state error,**
command code *command* **cluster object** *object-name,*
sender *sender-id*

Explanation: An internal error has occurred.

Severity: 8

System Action: The command is ignored. Information about the error is written to the data set identified by the CSQSNAP DD statement of the channel initiator started task procedure, xxxxCHIN.

System Programmer Response: Collect the items listed in the Problem Determination section and contact your IBM support center.

Problem Determination: Collect the following diagnostic items:

- MQSeries job log
- Channel initiator job log
- The CSQSNAP data set

CSQX416E *csect-name* **Repository command processing error,**
RC=return-code, command code *command* **cluster**
object *object-name, sender sender-id*

Explanation: An internal error has occurred.

Severity: 8

System Action: The command is ignored. Information about the error is written to the data set identified by the CSQSNAP DD statement of the channel initiator started task procedure, xxxxCHIN.

System Programmer Response: Collect the items listed in the Problem Determination section and contact your IBM support center.

Problem Determination: Collect the following diagnostic items:

- MQSeries job log
- Channel initiator job log
- The CSQSNAP data set

CSQX419I *csect-name* **No cluster-receivers for cluster**
cluster-name

Explanation: The repository manager has received information about a cluster for which no cluster-receiver channels are known.

Severity: 0

System Action: None.

System Programmer Response: Define cluster-receiver channels for the cluster on the local queue manager.

CSQX420I *csect-name* **No repositories for cluster** *cluster-name*

Explanation: The repository manager has received information about a cluster for which no repositories are known.

Severity: 0

System Action: None.

System Programmer Response: Alter the REPOS or REPOSNL attribute of the queue manager that is to have a full repository for the cluster to specify the cluster name.

CSQX422E *csect-name* **Repository manager error, RC=return-code**

Explanation: An internal error has occurred.

Severity: 8

System Action: The repository manager attempts to continue processing. Information about the error is written to the data set identified by the CSQSNAP DD statement of the channel initiator started task procedure, xxxxCHIN.

System Programmer Response: Collect the items listed in the Problem Determination section and contact your IBM support center.

Problem Determination: Collect the following diagnostic items:

- MQSeries job log
- Channel initiator job log
- The CSQSNAP data set

CSQX425E *csect-name* **Repository command merge error,**
command code *command* **cluster object** *object-name,*
sender *sender-id*

Explanation: An internal error has occurred.

Severity: 8

System Action: The command is ignored. Information about the error is written to the data set identified by the CSQSNAP DD statement of the channel initiator started task procedure, xxxxCHIN.

System Programmer Response: Collect the items listed in the Problem Determination section and contact your IBM support center.

Problem Determination: Collect the following diagnostic items:

- MQSeries job log
- Channel initiator job log
- The CSQSNAP data set

CSQX426E *csect-name* **Undeliverable repository command, channel *channel-name*, target *target-id* command code *command***

Explanation: The repository manager tried to send a command to another queue manager using channel *channel-name*. The other queue manager, whose identifier is *target-id*, could not be found.

Severity: 8

System Action: The command is ignored.

System Programmer Response: Check the channel and cluster definitions of the sending and receiving queue managers.

CSQX427E *csect-name* **Cluster-sender not connected to repository, cluster *cluster-name*, channel *channel-name*, target *target-id***

Explanation: A cluster-sender channel must be connected to a queue manager that is a repository for all the clusters for the channel, and the corresponding cluster-receiver channel must be in the same clusters. Channel *channel-name* in cluster *cluster-name* does not satisfy this. *target-id* is the identifier of the target queue manager for the channel.

Severity: 8

System Action: The command is ignored.

System Programmer Response: Check the definition of the channel on both queue managers to ensure that it is connected to a repository for the cluster, and that it is in the same clusters on both queue managers.

CSQX428E *csect-name* **Unexpected queue or query repository command, cluster *cluster-name*, channel *channel-name*, sender *sender-id***

Explanation: The repository manager received a command from another queue manager, whose identifier is *sender-id*, relating to cluster *cluster-name*. The local queue manager cannot accept the command because it is not a repository for the cluster and (in the case of a queue command) it does not have an interest in the cluster queue. The cluster-sender channel used by the other queue manager was *channel-name*.

Severity: 8

System Action: The command is ignored.

System Programmer Response: Check the definition of the channel on both queue managers to ensure that it is connected to a repository for the cluster.

CSQX430E *csect-name* **Unexpected queue manager repository command, cluster *cluster-name*, channel *channel-name*, sender *sender-id***

Explanation: The repository manager received a command from another queue manager, whose identifier is *sender-id*, relating to cluster *cluster-name*. The local queue manager cannot accept the command because it is not a repository for the cluster, it does not have an interest in the cluster channel, and it does not have any matching cluster-sender channels. The cluster-sender channel used by the other queue manager was *channel-name*.

This message might appear on a queue manager that has defined a cluster-sender channel to another queue manager that does not host a full repository, if the other queue manager is later modified to host a full repository.

Severity: 8

System Action: The command is ignored.

System Programmer Response: Check the definition of the channel on the sending queue manager to ensure that it is connected to a repository for the cluster.

CSQX431I *csect-name* **Repository ended, cluster *cluster-name*, channel *channel-name*, sender *sender-id***

Explanation: The repository manager received a command from another queue manager, whose identifier is *sender-id*, reporting that it is no longer a repository for cluster *cluster-name*.

Severity: 0

System Action: The cluster-sender channel *channel-name* is changed so that it can no longer be used to access the other queue manager in relation to the cluster.

CSQX433E *csect-name* **Cluster-receiver and cluster-sender differ, cluster *cluster-name*, channel *channel-name*, sender *sender-id***

Explanation: The repository manager received a command from another queue manager, whose identifier is *sender-id*. The cluster-sender channel *channel-name* on that queue manager is in cluster *cluster-name*, but the corresponding cluster-receiver channel on the local queue manager is not.

Severity: 8

System Action: The command is ignored.

System Programmer Response: Change the definition of the channel so that it is in the same clusters on both queue managers.

CSQX434E *csect-name* **Unrecognized message on *name***

Explanation: The channel initiator found a message on one of its queues that either had a format that could not be recognized or did not come from a queue manager or channel initiator.

Severity: 8

System Action: The message is put on the dead-letter queue.

System Programmer Response: Examine the message on the dead-letter queue to determine the originator of the message.

CSQX435E *csect-name* **Unable to put repository manager message, target *target-id* MQCC=*mqcc* MQRC=*mqrc***

Explanation: The repository manager tried to send a message to SYSTEM.CLUSTER.COMMAND.QUEUE on another queue manager whose identifier is *target-id*, but the MQPUT call was unsuccessful.

Severity: 4

System Action: Processing continues, but repository information may be out of date.

System Programmer Response: Refer to Appendix A, "API completion and reason codes" for information about *mqcc* and *mqrc*. Check the channel and cluster definitions on the local and target queue managers, and ensure that the channels between them are running.

When the problem is corrected, the repository information will normally be updated automatically. The REFRESH CLUSTER

command can be used to be sure that the repository information is up to date.

CSQX436E *csect-name* **Unable to put repository manager message, cluster *cluster-name*, MQCC=*mqcc* MQRC=*mqrc***

Explanation: The repository manager tried to send a message to SYSTEM.CLUSTER.COMMAND.QUEUE on a queue manager that has the full repository for the specified cluster, but the MQPUT was unsuccessful.

Severity: 4

System Action: Processing continues, but repository information may be out of date.

System Programmer Response: Refer to Appendix A, "API completion and reason codes" for information about *mqcc* and *mqrc*. Check the channel and cluster definitions on the local and target queue managers, and ensure that the channels between them are running.

When the problem is corrected, the repository information will normally be updated automatically. The REFRESH CLUSTER command can be used to be sure that the repository information is up to date.

CSQX437E *csect-name* **Unable to commit repository changes**

Explanation: The repository manager tried to commit some updates to the repository but was unsuccessful.

Severity: 4

System Action: Processing continues, but repository information may be out of date.

System Programmer Response: If this occurs when the channel initiator is stopping, it can be ignored because the repository information will normally be updated automatically when the channel initiator is restarted. If there is an isolated occurrence at other times, use the REFRESH CLUSTER command to bring the repository information up to date.

If the problem persists, contact your IBM support center for assistance.

CSQX438E *csect-name* **Unable to reallocate messages, channel *channel-name*, MQCC=*mqcc* MQRC=*mqrc***

Explanation: The repository manager was unable to reallocate messages for the specified channel to another destination.

Severity: 8

System Action: The messages remain on the transmission queue.

System Programmer Response: Refer to Appendix A, "API completion and reason codes" for information about *mqcc* and *mqrc*. Use this information in conjunction with any preceding error messages to determine the cause of the problem. When the problem is corrected, restart the channel.

CSQX439E *csect-name* **Repository error for channel *channel-name***

Explanation: An internal error has occurred.

Severity: 8

System Action: The repository manager attempts to continue processing. Information about the error is written to the data set identified by the CSQSNAP DD statement of the channel initiator started task procedure, xxxxCHIN.

System Programmer Response: Collect the items listed in the Problem Determination section and contact your IBM support center.

Problem Determination: Collect the following diagnostic items:

- MQSeries job log
- Channel initiator job log
- The CSQSNAP data set

CSQX440E *csect-name* **RESET ACTION(FORCEREMOVE) command failed, cluster *cluster-name*, target *target* – repository is not on *qmgr-name***

Explanation: The repository manager could not process a RESET ACTION(FORCEREMOVE) command for the indicated cluster and target queue manager, because the local queue manager does not provide a full repository management service for the cluster.

Severity: 8

System Action: The command is ignored.

System Programmer Response: Reissue the command with the correct values or on the correct queue manager.

CSQX441I *csect-name* **RESET ACTION(FORCEREMOVE) command processed, cluster *cluster-name*, target *target***

Explanation: The repository manager successfully processed a RESET ACTION(FORCEREMOVE) command for the indicated cluster and target queue manager.

Severity: 0

System Action: None.

CSQX442I *csect-name* **REFRESH command processed, cluster *cluster-name*, *n* objects changed**

Explanation: The repository manager successfully processed a REFRESH command for the indicated cluster.

Severity: 0

System Action: None.

CSQX443I *csect-name* **SUSPEND QMGR command processed, cluster *cluster-name*, *n* objects changed**

Explanation: The repository manager successfully processed a SUSPEND QMGR command for the indicated cluster. (Where the command specified a namelist of clusters, the message is issued only for the first cluster in the namelist.)

Severity: 0

System Action: None.

CSQX444I *csect-name* **RESUME QMGR command processed, cluster *cluster-name*, *n* objects changed**

Explanation: The repository manager successfully processed a RESUME QMGR command for the indicated cluster. (Where the command specified a namelist of clusters, the message is issued only for the first cluster in the namelist.)

Severity: 0

System Action: None.

CSQX447E *csect-name* Unable to backout repository changes

Explanation: Following an error, the repository manager tried to backout some updates to the repository but was unsuccessful.

Severity: 8

System Action: The repository manager terminates.

System Programmer Response: If the repository manager subsequently restarts successfully, or if on restarting the channel initiator the repository manager subsequently starts successfully, this can be ignored.

If not, contact your IBM support center for assistance.

CSQX448E *csect-name* Repository manager stopping because of errors. Restart in *n* seconds

Explanation: A severe error, as reported in the preceding messages, occurred during repository manager processing; the repository manager is unable to continue.

Severity: 8

System Action: The repository manager terminates. The channel initiator will try to restart it after the specified interval.

System Programmer Response: Correct the problem reported in the preceding messages.

CSQX449I *csect-name* Repository manager restarted

Explanation: The repository manager restarted successfully following an error.

Severity: 0

System Action: None.

CSQX496I *csect-name* Channel *channel-name* stopping because of request by remote exit

Explanation: The channel is closing because the user channel exit at the remote end requested it.

Severity: 0

System Action: The channel stops. The associated transmission queue might be set to GET(DISABLED) and triggering turned off. For auto-defined channels, the channel does not start.

System Programmer Response: Note that this puts the channel into STOPPED state. A START CHANNEL command must be issued to restart it.

CSQX498E *csect-name* Invalid MQCD field *field-name*, value=*nnn* (*X'xxx'*)

Explanation: The MQCD structure returned by the channel auto-definition exit had an invalid value in the indicated field. The value is shown in decimal and hexadecimal.

Severity: 8

System Action: The channel is not defined.

System Programmer Response: Correct the channel auto-definition exit.

CSQX500I *csect-name* Channel *channel-name* started

Explanation: The specified channel has been started.

Severity: 0

System Action: Processing continues.

CSQX501I *csect-name* Channel *channel-name* is no longer active

Explanation: The specified channel terminated. It is now inactive if it terminated normally when the disconnect interval expired, or stopped if it terminated because of an error or a STOP CHANNEL command.

Severity: 0

System Action: Processing continues.

System Programmer Response: If the channel is stopped, resolve any error, and issue a START CHANNEL command to restart the channel.

CSQX502E *csect-name* Action not allowed for *channel-name*

Explanation: The action you requested cannot be performed on channel *channel-name*. Some actions are only valid for certain channel types; for example, you can only ping a sender or server channel.

Severity: 8

System Action: The requested action is not performed.

System Programmer Response: Check whether the channel name is specified correctly. If it is, check that:

- The channel has been defined correctly
- The connection name identifies the correct remote queue manager
- For TCP/IP connections, the port number specified by the local channel matches that used by the listener at the remote queue manager.

CSQX503E *csect-name* Negotiation failed for *channel-name*

Explanation: Channel *channel-name* between the local and remote queue managers could not be established due to a negotiation failure.

Severity: 8

System Action: The channel is not started.

System Programmer Response: Examine the log for the remote queue manager for messages explaining the cause of the negotiation failure.

CSQX504E *csect-name* Local protocol error for *channel-name*, type=*type* data=*xxx*

Explanation: During communications with the remote queue manager, the local message channel agent for channel *channel-name* detected a protocol error. *type* shows the type of error that occurred:

0000000A Incorrect segment type
00000012 Incorrect message length
00000013 Incorrect segment number

The incorrect value is shown by *xxx*.

Severity: 8

System Action: The channel stops. The associated transmission queue might be set to GET(DISABLED) and triggering turned off.

System Programmer Response: Examine the log to determine the cause of the failure. This might occur after the channel initiator or queue manager is stopped forcibly or ends abnormally. If it occurs in other cases, contact your IBM support center for assistance.

CSQX505E *csect-name* **Sequence wrap values differ for**
channel-name, **local=local-seqno** **remote=remote-seqno**

Explanation: The sequence number wrap value for channel *channel-name* is *local-seqno*, but the value specified at the remote queue manager is *remote-seqno*. The two values must be the same before the channel can be started.

Severity: 8

System Action: The channel does not start.

System Programmer Response: Change either the local or remote channel definition so that the values specified for the message sequence number wrap value are the same.

CSQX506E *csect-name* **Message receipt confirmation not received for** *channel-name*

Explanation: The remote queue manager did not accept the last batch of messages.

Severity: 8

System Action: Channel *channel-name* stops. The associated transmission queue might be set to GET(DISABLED) and triggering turned off.

System Programmer Response: Determine why the remote queue manager did not accept the last batch of messages. Resolve the problem and restart the channel.

CSQX507E *csect-name* **Channel** *channel-name* **is in-doubt on connection** *conn-id*

Explanation: Channel *channel-name* is in-doubt with remote queue manager using connection *conn-id*.

Severity: 8

System Action: The requested operation does not complete.

System Programmer Response: Examine the status of the channel, and either restart a channel to resolve the in-doubt state, or use the RESOLVE CHANNEL command to correct the problem manually.

CSQX513E *csect-name* **Channel** *channel-name* **exceeded current channel limit**

Explanation: There are too many channels current to be able to start another. The maximum number allowed is specified in the CURRCHL parameter of the channel initiator. Current channels include stopped and retrying channels as well as active channels.

Severity: 8

System Action: The channel does not start.

System Programmer Response: Wait for some of the operating channels to terminate before restarting the channel.

CSQX514E *csect-name* **Channel** *channel-name* **is active**

Explanation: An operation was requested on a channel that is active.

Severity: 8

System Action: The request fails.

System Programmer Response: For operations other than starting the channel, either stop the channel manually, or wait for it to terminate, and retry the operation.

CSQX515I *csect-name* **Channel** *channel-name* **changed**

Explanation: The channel for which information has been requested is a new instance of the channel. The previous channel instance has ended.

Severity: 0

System Action: The information shown is for the new channel instance.

CSQX516E *csect-name* **Error accessing synchronization data,**
RC=return-code

Explanation: There was an error when accessing the channel synchronization data, probably because of a shortage of storage.

Severity: 8

System Action: The channel stops. The associated transmission queue might be set to GET(DISABLED) and triggering turned off.

In some cases, the channel initiator will stop as well.

System Programmer Response: Restart the channel or the channel initiator. If the problem persists, contact your IBM support center for assistance.

CSQX517E *csect-name* **Error in q-name – channel** *channel-name* **repeated**

Explanation: There was more than one set of synchronization information in *q-name* for an instance of channel *channel-name*. This is probably because the channel is a receiver channel, and there are two sender channels with the same name on different queue managers within the same network address that have communicated with it.

Severity: 8

System Action: The first set of synchronization information for the channel instance is used, and any others are ignored. Errors might occur if the channel is used.

System Programmer Response: Avoid using the channel. Remove the extra sets of information from the channel synchronization queue, and rename channels so that they have unique names.

If this does not resolve the problem, contact your IBM support center for assistance.

CSQX519E *csect-name* **Channel** *channel-name* **not defined**

Explanation: The channel initiator could not find a definition of channel *channel-name*.

Severity: 8

System Action: The requested operation fails.

System Programmer Response: Check that the name is specified correctly and the channel definition is available.

CSQX520E *csect-name* **Remote channel** *channel-name* **not defined**

Explanation: There is no definition of channel *channel-name* at the remote queue manager.

Severity: 8

System Action: The channel does not start.

System Programmer Response: Add an appropriate channel definition at the remote queue manager, and retry the operation.

CSQX523E *csect-name Remote protocol error for channel-name, type=type data=xxx*

Explanation: During communications with the remote queue manager, the remote message channel agent for channel *channel-name* detected a protocol error. *type* shows the type of error that occurred:

0000000A	Incorrect segment type
0000000B	Incorrect length
0000000C	Invalid data
0000000D	Invalid segment
0000000E	Invalid ID
0000000F	Invalid MSH
00000010	General error
00000011	Batch failure
00000012	Incorrect message length
00000013	Incorrect segment number

The data associated with the error (for example, the incorrect value) is shown by *xxx*.

Severity: 8

System Action: The channel stops. The associated transmission queue might be set to GET(DISABLED) and triggering turned off.

System Programmer Response: Examine the log for the remote queue manager to determine the cause of the failure. This might occur after the channel initiator or queue manager is stopped forcibly or ends abnormally. If it occurs in other cases, contact your IBM support center for assistance.

CSQX524E *csect-name Remote queue manager unavailable for channel-name*

Explanation: Channel *channel-name* cannot start because the remote queue manager is not currently available.

Severity: 8

System Action: The channel does not start

System Programmer Response: Either start the remote queue manager, or retry the operation later.

CSQX525E *csect-name Channel channel-name closing because the remote queue manager is stopping*

Explanation: Channel *channel-name* is closing because the remote queue manager is stopping.

Severity: 8

System Action: The channel stops. The associated transmission queue might be set to GET(DISABLED) and triggering turned off.

System Programmer Response: Investigate why the remote queue manager is stopping, if it was not expected.

CSQX526E *csect-name Message sequence error for channel-name, sent=msg-seqno expected=exp-seqno*

Explanation: The local and remote queue managers do not agree on the next message sequence number for channel *channel-name*. The message is normally issued at both the sending and receiving end: at the sending end, *msg-seqno* and *exp-seqno* are unpredictable; at the receiving end, a message had sequence number *msg-seqno* but sequence number *exp-seqno* was expected.

Severity: 8

System Action: The channel stops. The associated transmission queue might be set to GET(DISABLED) and triggering turned off.

System Programmer Response: Determine the cause of the inconsistency. It could be that the synchronization information has become damaged, or has been backed out to a previous version. If the problem cannot be resolved, the sequence number can be reset manually at the sending end of the channel using the RESET CHANNEL command. (For some queue managers, it might be necessary to issue the RESET CHANNEL command at the receiving end as well.)

CSQX527E *csect-name Unable to send message for channel-name*

Explanation: The remote queue manager cannot receive the message that is being sent for channel *channel-name*.

Severity: 8

System Action: The channel stops. The associated transmission queue might be set to GET(DISABLED) and triggering turned off.

System Programmer Response: Examine the log for the remote queue manager to determine why the message cannot be received, and then restart the channel.

CSQX528I *csect-name Channel channel-name stopping*

Explanation: The channel is closing because a STOP CHANNEL command was issued, or because the channel initiator is stopping.

Severity: 0

System Action: The channel stops. The associated transmission queue might be set to GET(DISABLED) and triggering turned off.

System Programmer Response: Note that a STOP CHANNEL command puts the channel into STOPPED state. A START CHANNEL command must be issued to restart it.

CSQX531E *csect-name Transmission queue q-name for channel-name has wrong usage type*

Explanation: Queue *q-name* is named as a transmission queue in the channel definition for *channel-name*, but it is not a transmission queue.

Severity: 8

System Action: The channel does not start.

System Programmer Response: Ensure that the queue name is specified correctly. If it is, alter the queue usage attribute of the queue to that of a transmission queue.

CSQX533I *csect-name Channel channel-name is already stopped*

Explanation: A request to stop channel *channel-name* was made, but the channel was already stopped or in the process of stopping.

Severity: 0

System Action: The request is ignored.

CSQX534E *csect-name Channel channel-name is stopped*

Explanation: The operation requested cannot be performed because the channel is currently stopped.

Severity: 4

System Action: The request is ignored.

System Programmer Response: Issue a START CHANNEL command to restart the channel.

CSQX535E *csect-name* Channel *channel-name* stopping because exit *exit-name* is not valid

Explanation: The user exit *exit-name* specified for channel *channel-name* is not valid.

Severity: 8

System Action: The channel stops. The associated transmission queue might be set to GET(DISABLED) and triggering turned off. For auto-defined channels, the channel does not start.

System Programmer Response: Ensure that the user exit name is specified correctly in the channel definition, and that the user exit program is correct and available. The channel initiator loads exits from the library data sets under the CSQXLIB DD statement of its started task procedure xxxxCHIN.

CSQX536I *csect-name* Channel *channel-name* stopping because of request by exit *exit-name*

Explanation: The channel is closing because the user channel exit *exit-name* requested it.

Severity: 0

System Action: The channel stops. The associated transmission queue might be set to GET(DISABLED) and triggering turned off. For auto-defined channels, the channel does not start.

System Programmer Response: Note that this puts the channel into STOPPED state. A START CHANNEL command must be issued to restart it.

CSQX539E *csect-name* Channel *channel-name* for queue *q-name* is not available

Explanation: A trigger message was received to start a channel *channel-name* to process the transmission queue *q-name*. However, the channel initiator could not find a defined, available channel to start.

Severity: 8

System Action: The channel does not start.

System Programmer Response: Ensure that there is a channel defined to process the transmission queue, and that it is not stopped.

CSQX540E *csect-name* Unable to commit batch for *channel-name*, MQCC=*mqcc* MQRC=*mqrc*

Explanation: An MQCMIT call for the queue associated with channel *channel-name* was unsuccessful.

Severity: 8

System Action: The channel stops. The associated transmission queue might be set to GET(DISABLED) and triggering turned off.

System Programmer Response: Refer to Appendix A, "API completion and reason codes" for information about *mqcc* and *mqrc*.

CSQX541E *csect-name* Invalid CCSIDs for data conversion, *ccsid1* and *ccsid2*

Explanation: Either the local coded character set identifier (CCSID) or the target CCSID is not valid, or is not currently supported, or conversion between the two CCSIDs involved is not supported. (The name of the channel cannot be determined because the invalid CCSID prevents the necessary data conversion being done.)

Severity: 8

System Action: The channel stops. The associated transmission queue might be set to GET(DISABLED) and triggering turned off.

System Programmer Response: Ensure that the CCSIDs are valid and that conversion between them is supported. Refer to the *MQSeries Application Programming Reference* manual for information about the CCSIDs that are supported.

CSQX544E *csect-name* Messages for *channel-name* sent to remote dead-letter queue

Explanation: During the processing of channel *channel-name*, one or more messages have been put the dead-letter queue at the remote queue manager.

Severity: 4

System Action: Processing continues.

System Programmer Response: Examine the contents of the dead-letter queue. Each message is contained in a structure that describes why the message was put to the queue, and to where it was originally addressed.

CSQX545I *csect-name* Channel *channel-name* closing because disconnect interval expired

Explanation: The channel is closing because no messages arrived on the transmission queue within the disconnect interval.

Severity: 0

System Action: The channel ends normally.

CSQX547E *csect-name* Remote channel *channel-name* has the wrong type

Explanation: The operation requested cannot be performed because channel *channel-name* on the remote queue manager is not of a suitable type. For example, if the local channel is defined as a sender the remote queue manager must define its corresponding channel as either a receiver or requester.

Severity: 8

System Action: The requested operation is not performed.

System Programmer Response: Check that the channel name is specified correctly. If it is, check that:

- The channel definition on the remote queue manager has an appropriate channel type
- The connection name of the local channel identifies the correct remote queue manager
- For TCP/IP connections, the port number specified by the local channel matches that used by the listener at the remote queue manager.

CSQX548E *csect-name* Messages for *channel-name* sent to local dead-letter queue

Explanation: During the processing of channel *channel-name*, one or more messages have been put the dead-letter queue at the local queue manager.

Severity: 4

System Action: Processing continues.

System Programmer Response: Examine the contents of the dead-letter queue. Each message is contained in a structure that describes why the message was put to the queue, and to where it was originally addressed.

CSQX549E *csect-name* **Queue *q-name* for channel *channel-name* is get-inhibited**

Explanation: An MQGET failed because the transmission queue had been previously inhibited for gets.

Severity: 8

System Action: The channel stops. The associated transmission queue might have triggering turned off.

System Programmer Response: Change the definition of the transmission queue so that it is not inhibited for MQGET calls.

CSQX551E *csect-name* **Action for *channel-name* not supported by connection *conn-id***

Explanation: The operation requested for channel *channel-name* is not supported by the remote queue manager using the connection *conn-id*.

Severity: 8

System Action: The channel stops. The associated transmission queue might be set to GET(DISABLED) and triggering turned off.

System Programmer Response: Check that the connection name parameter is specified correctly and that the levels of the queue managers in use are compatible.

CSQX552E *csect-name* **Data requested by security exit for *channel-name* not received**

Explanation: The local security user channel exit for channel *channel-name* requested data from the remote security user channel exit, but no data was received.

Severity: 8

System Action: The channel stops. The associated transmission queue might be set to GET(DISABLED) and triggering turned off.

System Programmer Response: Ensure that the security exit for the channel on the remote queue manager has been defined correctly and is available. If it is, check that the exit program operates correctly.

CSQX558E *csect-name* **Remote channel *channel-name* not available**

Explanation: The channel *channel-name* at the remote queue manager is currently stopped or is otherwise unavailable. For example, there might be too many channels current to be able to start it.

Severity: 8

System Action: The channel does not start.

System Programmer Response: Check the status of the channel at the remote queue manager. If it is stopped, issue a START CHANNEL command to restart it. If there are too many channels current, either wait for some of the operating channels to terminate, or stop some channels manually, before restarting the channel.

CSQX565E *csect-name* **No dead-letter queue for *qmgr-name*, channel *channel-name***

Explanation: A message could not be delivered normally and there is no dead-letter queue defined for queue manager *qmgr-name*.

Severity: 8

System Action: The channel stops. The associated transmission queue might be set to GET(DISABLED) and triggering turned off.

System Programmer Response: Correct the problem that

prevented the message from being delivered normally, or define a dead-letter queue for the remote queue manager.

CSQX567E *csect-name* **LU 6.2 listener unable to register to APPC/MVS, RC=*return-code* reason=*reason***

Explanation: While starting, the LU 6.2 listener could not register as an APPC/MVS server. The return code from APPC/MVS allocate services was *return-code* and the associated reason code was *reason* (both in hexadecimal).

Severity: 8

System Action: The listener is not started.

System Programmer Response: See Appendix D, "Communications protocol return codes" for the cause of the return code from APPC/MVS allocate services, and the *MVS Writing Servers for APPC/MVS* manual for more information. Check that the LUNAME channel initiator parameter is the same as the PARTNER_LU value for the APPC/MVS symbolic destination used by the listener.

CSQX568E *csect-name* **LU 6.2 listener unable to unregister from APPC/MVS, RC=*return-code* reason=*reason***

Explanation: While stopping, the LU 6.2 listener could not unregister as an APPC/MVS server. The return code from APPC/MVS allocate services was *return-code* and the associated reason code was *reason* (both in hexadecimal).

Severity: 8

System Action: The listener stops. It might not be possible to restart it.

System Programmer Response: See Appendix D, "Communications protocol return codes" for the cause of the return code from APPC/MVS allocate services and the *MVS Writing Servers for APPC/MVS* manual for more information.

CSQX569E *csect-name* **Channel *channel-name* exceeded TCP/IP channel limit**

Explanation: The number of current TCP/IP channels is the maximum allowed; another channel cannot be started. Current channels include stopped and retrying channels as well as active channels. The maximum allowed is specified in the TCPCHL parameter of the channel initiator, but may be reduced if a dispatcher fails, or if TCP/IP resources are restricted (as reported by message CSQX118I).

Severity: 8

System Action: The channel does not start.

System Programmer Response: If the maximum allowed is zero, TCP/IP communications are not allowed, and no TCP/IP channels can be started. If the maximum allowed is non-zero, wait for some of the operating channels to terminate before restarting the channel.

CSQX570E *csect-name* **Channel *channel-name* exceeded LU 6.2 channel limit**

Explanation: The number of current LU 6.2 channels is the maximum allowed; another channel cannot be started. Current channels include stopped and retrying channels as well as active channels. The maximum allowed is specified in the LU62CHL parameter of the channel initiator, but might be reduced if a dispatcher fails.

Severity: 8

System Action: The channel does not start.

System Programmer Response: If the maximum allowed is zero, LU 6.2 communications are not allowed, and no LU 6.2 channels can be started. If the maximum allowed is non-zero, wait for some of the operating channels to terminate before restarting the channel.

CSQX572E *csect-name* **Channel** *channel-name* **stopping because message header is not valid**

Explanation: During the processing of channel *channel-name*, a message was found that had an invalid header. The dead-letter queue was defined as a transmission queue, so a loop would have been created if the message had been put there.

Severity: 8

System Action: The channel stops. The associated transmission queue might be set to GET(DISABLED) and triggering turned off.

System Programmer Response: Correct the problem that caused the invalid message header.

CSQX573E *csect-name* **Channel** *channel-name* **exceeded active channel limit**

Explanation: There are too many channels active (transmitting messages) to be able to start another. The maximum number allowed is specified in the ACTCHL parameter of the channel initiator.

Severity: 8

System Action: The channel does not start.

System Programmer Response: Either wait for some of the operating channels to terminate, or stop some channels manually, before restarting the channel.

CSQX574I *csect-name* **Channel** *channel-name* **can now start**

Explanation: The specified channel was waiting to start, because there were too many channels active (transmitting messages) to be able to start another. One or more of the active channels has terminated, so this channel can now start.

Note: This message is not itself issued, although the corresponding event is generated.

Severity: 0

CSQX575E *csect-name* **Negotiation failed for channel**

Explanation: A channel between the local and remote queue managers could not be established due to a negotiation failure. The failure was such that the channel name could not be determined: for example, data conversion between the coded character set identifiers (CCSIDs) used by the local and remote queue managers might not have been possible.

Severity: 8

System Action: The channel is not started.

System Programmer Response: Examine the log for the remote queue manager for messages explaining the cause of the negotiation failure.

CSQX578E *csect-name* **Unable to save status for** *channel-name*

Explanation: An internal error has occurred.

Severity: 8

System Action: Information about the error is written to the data set identified by the CSQSNAP DD statement of the channel initiator started task procedure, xxxxCHIN.

System Programmer Response: Collect the items listed in the Problem Determination section and contact your IBM support center.

Problem Determination: Collect the following diagnostic items:

- MQSeries job log
- Channel initiator job log
- The CSQSNAP data set

CSQX599E *csect-name* **Channel** *channel-name* **ended abnormally**

Explanation: Channel *channel-name* ended abnormally because of a severe problem, as reported in the preceding messages.

Severity: 8

System Action: The channel stops. The associated transmission queue might be set to GET(DISABLED) and triggering turned off.

System Programmer Response: Investigate the problem reported in the preceding messages.

CSQX830I *csect-name* **Channel initiator active**

Explanation: This is issued in response to the DISPLAY DQM command if the channel initiator is active.

Severity: 0

CSQX831I *csect-name nn* **adapter subtasks started, nn requested**

Explanation: This is issued in response to the DISPLAY DQM command, and shows how many adapter subtasks are currently active, and how many were requested in the channel initiator parameters. If the numbers differ, some adapter subtasks have failed and not been restarted, which could reduce processing capacity.

Severity: 0

CSQX832I *csect-name nn* **dispatchers started, nn requested**

Explanation: This is issued in response to the DISPLAY DQM command, and shows how many dispatchers are currently active, and how many were requested in the channel initiator parameters.

If the numbers differ, some dispatchers have failed and not been restarted. The number of current TCP/IP and LU 6.2 channels allowed will be reduced proportionately, and other processing capacity might be reduced.

Severity: 0

CSQX840I *csect-name nn* **channel connections current, maximum**
nn

Explanation: This is issued in response to the DISPLAY DQM command. It shows how many message channel agents (channel connections) are current, and how many are allowed altogether, as requested in the channel initiator parameters.

Severity: 0

CSQX841I *csect-name nn* channel connections active, maximum *nn*

Explanation: This is issued in response to the DISPLAY DQM command. Of the message channel agents (channel connections) that are current, it shows how many are active (transmitting messages), and how many are allowed altogether to be active, as requested in the channel initiator parameters.

Severity: 0

CSQX842I *csect-name nn* channel connections starting, *nn* stopped, *nn* retrying

Explanation: This is issued in response to the DISPLAY DQM command. Of the message channel agents (channel connections) that are current, it show how many are:

- waiting to become active, because the limit for active channels has been reached
- stopped, requiring manual intervention
- attempting to reconnect following a temporary error.

Severity: 0

CSQX843I *csect-name* TCP/IP listener retrying, for port number *nn*

Explanation: This is issued in response to the DISPLAY DQM command if the TCP/IP listener is trying to restart after an error. If you are using OpenEdition sockets, the channel initiator will attempt to restart the listener, at the intervals specified by the LSTRTMR channel initiator parameter.

Severity: 0

CSQX844I *csect-name* LU 6.2 listener retrying, for LU name *name*

Explanation: This is issued in response to the DISPLAY DQM command if the LU 6.2 listener is trying to restart after an error. The channel initiator will attempt to restart the listener at the intervals specified by the LSTRTMR channel initiator parameter.

Severity: 0

CSQX845I *csect-name* TCP/IP system name is *name*

Explanation: This is issued in response to the DISPLAY DQM command, and shows the TCP/IP system name that is being used, as specified in the TCPNAME channel initiator parameter.

Severity: 0

CSQX846I *csect-name* TCP/IP listener started, for port number *nn*

Explanation: This is issued in response to the DISPLAY DQM command if the TCP/IP listener is active.

Severity: 0

CSQX847I *csect-name* LU 6.2 listener started, for LU name *name*

Explanation: This is issued in response to the DISPLAY DQM command if the LU 6.2 listener is active.

Severity: 0

CSQX848I *csect-name* TCP/IP listener not started

Explanation: This is issued in response to the DISPLAY DQM command if the TCP/IP listener is not active.

Severity: 0

System Programmer Response: If the listener had been started, and was not deliberately stopped, this might be because there was an error in the communications system. If you are using OpenEdition sockets, the channel initiator will attempt to restart the listener, at the intervals specified by the LSTRTMR channel initiator parameter. Otherwise, you will need to restart the channel initiator after the problem is resolved.

CSQX849I *csect-name* LU 6.2 listener not started

Explanation: This is issued in response to the DISPLAY DQM command if the LU 6.2 listener is not active.

Severity: 0

System Programmer Response: If the listener had been started, and was not deliberately stopped, this might be because there was an error in the communications system. The channel initiator will attempt to restart the listener, at the intervals specified by the LSTRTMR channel initiator parameter.

CSQX890E *csect-name* NO STORAGE AVAILABLE

Explanation: There was insufficient storage available for a system routine. *csect-name* shows the system routine function:

CSQXDCTS System trace

CSQXDMPS System dump

CSQXLDXS User channel exits

Severity: 4

System Action: Processing continues, but the function provided by the system routine will be inhibited. For example, if the routine is CSQXLDXS, then user channel exits will not be available, and channels that use them will not start.

System Programmer Response: Increase the size of the channel initiator address space, or reduce the number of dispatchers, adapter subtasks, and active channels being used.

CSQX891E *csect-name*. SDUMPX FAILED, RC=0000ssrr, *dump-identifier*

Explanation: The system dump routine was unable to issue a dump; the dump identifier was as shown in the message. *rr* is the return code and *ss* is the reason code (both in hexadecimal) from the OS/390 SDUMPX service.

Severity: 4

System Action: Processing continues.

System Programmer Response: See the *MVS Authorized Assembler Services Reference* manual for information about the return code and reason code from the SDUMPX request.

CSQX892E *csect-name*. Unable to locate the trace header, RC=12

Explanation: The trace formatting routine was unable to locate the trace control information in the trace dataspace in a dump of the channel initiator address space.

Severity: 8

System Action: Formatting terminates.

System Programmer Response: The most likely cause is that the dump has not been produced correctly. Re-create the dump, and try again.

Initialization procedure and general services messages (CSQY...)

CSQY000I IBM MQSeries for OS/390 - *version*

Explanation: This message is issued when MQSeries starts, and shows the release level.

Module: CSQYSCMD, CSQNINS

Severity: 0

CSQY001I SUBSYSTEM STARTING, USING PARAMETER MODULE *parm-name*

Explanation: The START QMGR command is accepted. Parameter values will be taken from the module *parm-name*. This message is issued to the OS/390 console at which the start command was issued. Message CSQY022I is sent when the MQSeries subsystem startup process has completed.

Module: CSQYSTRT

System Action: MQSeries startup processing begins.

CSQY002I SUBSYSTEM STOPPING

Explanation: The STOP QMGR command is accepted. Message CSQ9022I is issued when the MQSeries subsystem shutdown process has completed. The message is issued either to the originator of the STOP QMGR command, or to the OS/390 console from which the START QMGR command was received.

Module: CSQYSCMD

System Action: MQSeries subsystem shutdown is initiated.

CSQY003I SUBSYSTEM IS ALREADY ACTIVE

Explanation: The START QMGR command has not been accepted, because the MQSeries subsystem is active. Message CSQ9023E is issued after this message.

CSQY004I SUBSYSTEM IS ALREADY STOPPING

Explanation: The STOP QMGR command has not been accepted either because the MQSeries subsystem shutdown is in progress for the specified option (QUIESCE or FORCE), or because the QUIESCE option was specified after a FORCE option had been accepted previously. Message CSQ9023E is issued after this message.

Module: CSQYSCMD

System Action: MQSeries subsystem shutdown is continued.

CSQY005E SUBSYSTEM STARTUP TERMINATED, INVALID START COMMAND

Explanation: The MQSeries subsystem can be started only by a START QMGR command.

Module: CSQYSTRT

System Action: MQSeries subsystem startup is terminated.

Operator Response: Start the MQSeries subsystem via the START QMGR command, and reenter the rejected command.

CSQY006E *csect-name* INVALID AMODE OR RMODE ATTRIBUTE FOUND FOR LOAD MODULE *module name*

Explanation: The initialization procedures subcomponent detected that a module had an invalid AMODE or RMODE attribute when it was loaded. *module name* is the name of the load module with an invalid addressing or residency mode.

Module: CSQYASCP, CSQYASTR, CSQYSTRT, CSQYSIRM

System Action: MQSeries subsystem startup is terminated.

Operator Response: Notify the system programmer of the problem.

System Programmer Response: Verify that all installation and maintenance activities against MQSeries were executed successfully.

Problem Determination: An MQSeries dump was requested to a SYS1.DUMPxx data set. If you are unable to correct the problem, contact your IBM support center.

CSQY008I SUBSYSTEM SHUTDOWN REQUEST NOT ACCEPTED

Explanation: The STOP QMGR command has not been accepted because subsystem startup has not completed to the point where shutdown can occur. Message CSQ9023E is issued after this message.

Module: CSQYSCMD

System Action: MQSeries startup continues, and the STOP QMGR command is ignored.

Operator Response: Reissue the STOP QMGR command after subsystem startup has completed.

CSQY009I *verb-name pkw-name* COMMAND ACCEPTED FROM USER(*userid*), STOP MODE(*mode*)

Explanation: This message is issued to record who issued the command to stop MQSeries, and what type of stop it was. *verb-name* might include the command prefix (CPF). This depends on how the command was entered.

Module: CSQYSCMD

Severity: 0

CSQY010E LOAD MODULE *module name* IS NOT AT THE CORRECT RELEASE/VERSION LEVEL

Explanation: The named load module is not at the correct release/version level for the version of MQSeries that was being started.

Module: CSQYASCP

System Action: MQSeries startup is abended with reason code 00E80161.

Operator Response: Notify the system programmer.

System Programmer Response: Verify that the correct load libraries are being used. Also verify that the application of maintenance did not result in modules being link-edited into the wrong load libraries.

CSQY011E *csect-name* **COMMAND PREFIX REGISTRATION FAILED. INVALID CHARACTER(S) IN CPF**

Explanation: Command prefix registration failed because the command prefix (CPF) contains invalid characters.

Module: CSQYSTRT

System Action: MQSeries abends.

System Programmer Response: Change the CPF in the SYS1.PARMLIB member IEFSSNxx to include only characters from the valid character set. (See the *MQSeries for OS/390 System Management Guide* for information about how to do this.)

CSQY012E *csect-name* **COMMAND PREFIX REGISTRATION FAILED. SUBSYSTEM NAME USED AS CPF OWNER, BUT CONTAINS INVALID CHARACTER(S)**

Explanation: Command prefix registration failed because the subsystem name used as the owner of the command prefix (CPF) contains invalid characters.

Module: CSQYSTRT

System Action: MQSeries abends.

System Programmer Response: Change the SSID in the SYS1.PARMLIB member IEFSSNxx to include only characters from the valid character set. (See the *MQSeries for OS/390 System Management Guide* for information about how to do this.)

CSQY013E *csect-name* **COMMAND PREFIX REGISTRATION FAILED. CPF ALREADY DEFINED**

Explanation: Command prefix registration failed because the command prefix (CPF) was already defined to OS/390.

Module: CSQYSTRT

System Action: MQSeries abends.

System Programmer Response: Use the OS/390 command DISPLAY OPDATA to display the CPFs already in use. Change the CPF in the SYS1.PARMLIB member IEFSSNxx to one that is not already in use. (See the *MQSeries for OS/390 System Management Guide* for information about how to do this.)

CSQY014E *csect-name* **COMMAND PREFIX REGISTRATION FAILED. CPF IS A SUBSET OF A CPF ALREADY DEFINED**

Explanation: Command prefix registration failed because the command prefix (CPF) is a subset of a CPF already defined to OS/390.

Module: CSQYSTRT

System Action: MQSeries abends.

System Programmer Response: Choose a CPF that is not a subset of another CPF, and change the SYS1.PARMLIB member IEFSSNxx. (See the *MQSeries for OS/390 System Management Guide* for information about how to do this.)

CSQY015E *csect-name* **COMMAND PREFIX REGISTRATION FAILED. CPF IS A SUPERSET OF A CPF ALREADY DEFINED**

Explanation: Command prefix registration failed because the command prefix (CPF) is a superset of a CPF already defined to MVS.

Module: CSQYSTRT

System Action: MQSeries abends.

System Programmer Response: Choose a CPF that is not a superset of another CPF, and change the SYS1.PARMLIB member IEFSSNxx. (See the *MQSeries for OS/390 System Management Guide* for information about how to do this.)

CSQY016E *csect-name* **SYSTEM ERROR DURING COMMAND PREFIX REGISTRATION**

Explanation: An MVS error occurred during command prefix (CPF) registration.

Module: CSQYSTRT

System Action: MQSeries abends.

System Programmer Response: Check the MVS console for other messages relating to the problem.

CSQY022I **QUEUE MANAGER INITIALIZATION COMPLETE**

Explanation: This message is issued when the initialization of MQSeries completes normally, and the queue manager is ready for use.

Module: CSQYASCP

Severity: 0

CSQY100I *csect-name* **System parameters ...**

Explanation: MQSeries is being started with the system parameter values shown in the following messages.

Severity: 0

Module: CSQYSCMD

System Action: MQSeries startup processing continues.

CSQY10nI *csect-name* **parms**

Explanation: This series of messages shows the system parameter values that MQSeries is using. (Some values are followed by their internal hexadecimal representation in parentheses.) See the CSQ6SYSP macro in the *MQSeries for OS/390 System Management Guide* for information about the MQSeries system parameters.

Severity: 0

Module: CSQYSCMD

System Action: MQSeries startup processing continues.

CSQY110I *csect-name* **Logging parameters ...**

Explanation: MQSeries is being started with the logging parameter values shown in the following messages.

Severity: 0

Module: CSQYSCMD

System Action: MQSeries startup processing continues.

CSQY11nI *csect-name* **parms**

Explanation: This series of messages shows the logging parameter values that MQSeries is using. See the CSQ6LOGP macro in the *MQSeries for OS/390 System Management Guide* for information about the MQSeries logging parameters.

Severity: 0

Module: CSQYSCMD

System Action: MQSeries startup processing continues.

CSQY120I *csect-name* Archive parameters ...

Explanation: MQSeries is being started with the archive parameter values shown in the following messages.

Severity: 0

Module: CSQYSCMD

System Action: MQSeries startup processing continues.

CSQY12nI *csect-name parms*

Explanation: This series of messages shows the archive parameter values that MQSeries is using. See the CSQ6ARVP macro in the *MQSeries for OS/390 System Management Guide* for information about the MQSeries archive parameters.

Severity: 0

Module: CSQYSCMD

System Action: MQSeries startup processing continues.

CSQY200E *csect-name IXCARM call-name call for element arm-element type arm-element-type failed, rc=rc reason=reason*

Explanation: An ARM call for the specified element failed. *rc* is the return code and *reason* is the reason code (both in hexadecimal) from the call.

Severity: 8

System Action: None.

System Programmer Response: See the *OS/390 MVS Programming Sysplex Services Reference* manual for information about the return and reason codes from the IXCARM call. If you are unable to solve the problem, contact your IBM support center for assistance.

CSQY201I *csect-name ARM REGISTER for element arm-element type arm-element-type successful*

Explanation: The specified element was successfully registered with ARM.

Severity: 0

System Action: None.

CSQY202E *csect-name ARM registration failed*

Explanation: An attempt to register with ARM failed.

Severity: 8

System Action: Processing continues, but automatic restart is not available.

System Programmer Response: See the preceding CSQY200E message for more information about the failure.

CSQY203E *csect-name IXCARM call-name call for element arm-element type arm-element-type timed out, rc=rc reason=reason*

Explanation: IXCARM REQUEST=WAITPRED was issued but some predecessor element specified in the ARM policy did not issue an IXCARM REQUEST=READY within its specified time interval.

Severity: 8

System Action: Processing continues.

System Programmer Response: None required. However, if your program cannot run without the predecessor element, some installation-defined action might be necessary.

CSQY204I *csect-name ARM DEREGISTER for element arm-element type arm-element-type successful*

Explanation: The specified element was successfully deregistered from ARM.

Severity: 0

System Action: None.

CSQY205I *csect-name ARM element arm-element is not registered*

Explanation: A STOP QMGR command requested ARM restart, but the queue manager was not registered for ARM.

Severity: 4

System Action: The queue manager stops normally, but will not be automatically restarted.

System Programmer Response: Restart the queue manager manually.

Service facilities messages (CSQ1...)

The messages in this section apply to CSQ1LOGP which is part of the service facility subcomponent of MQSeries.

The value shown for severity in the service facility messages that follow is the value returned as the job-step condition code from the job-step during which the message is issued. If additional messages having higher severity values are issued during the same job-step, the higher value is reflected as the job-step condition code.

CSQ1000I *csect-name* IBM MQSeries for OS/390 - *version*

Explanation: This message is issued as the first part of the header to the report issued by the log print utility program.

Module: CSQ1LOGP

Severity: 0

CSQ1100I *csect-name* LOG PRINT UTILITY - *date time*

Explanation: This message is issued as the second part of the header to the report issued by the log print utility program.

Module: CSQ1LOGP

Severity: 0

CSQ1101I *csect-name* UTILITY PROCESSING COMPLETED, RETURN CODE=*rr*

Explanation: The log print utility completed with the return code *rr* indicated. 0 indicates successful completion.

Module: CSQ1LOGP

Severity: 0

CSQ1102I SEARCH CRITERIA

Explanation: The search criteria specified for printing the log follow.

Module: CSQ1LOGP

Severity: 0

CSQ1105I LOG PRINT UTILITY SUMMARY — *date time*

Explanation: This is issued as a header to the summary data set written by the log print utility.

Module: CSQ1LOGP

Severity: 0

CSQ1106I END OF SUMMARY

Explanation: This marks the end of the summary data set written by the log print utility.

Module: CSQ1LOGP

Severity: 0

CSQ1110E LIMIT OF 50 STATEMENTS EXCEEDED

Explanation: The limit of 50 input statements allowed by CSQ1LOGP for a given job has been exceeded.

Module: CSQ1LOGP

Severity: 8

System Action: Processing is terminated.

Operator Response: Resubmit the job using no more than 50 statements.

CSQ1111E LIMIT OF 80 TOKENS EXCEEDED

Explanation: The limit of 80 keywords and corresponding value specifications allowed by CSQ1LOGP has been exceeded. A keyword with its value is considered as two tokens.

Module: CSQ1LOGP

Severity: 8

System Action: Processing is terminated.

Operator Response: Resubmit the job using no more than 80 tokens.

CSQ1112E TOKEN *xxxx* EXCEEDS 64 HEX CHARACTERS

Explanation: The SYSIN input contains the character string *xxxx*. This string is not valid because it exceeds 64 hexadecimal characters in length.

Module: CSQ1LOGP

Severity: 8

System Action: Processing is terminated.

Operator Response: Resubmit the job with a valid token.

CSQ1113E VALUE FOR KEYWORD *xxxx* INVALID

Explanation: The SYSIN input contains the keyword *xxxx*. The value specified for this keyword is not valid (because it is not of the form (value)).

Module: CSQ1LOGP

Severity: 8

System Action: Processing is terminated.

Operator Response: Resubmit the job with the correct form of the keyword.

CSQ1114E RBASTART ALREADY DEFINED

Explanation: The RBASTART parameter can only be specified once for a given job.

Module: CSQ1LOGP

Severity: 8

System Action: Processing is terminated.

Operator Response: Resubmit the job using a single RBASTART value.

CSQ1115E RBASTART > 12 HEX CHARACTERS

Explanation: The maximum size of a log RBA in MQSeries is 6 bytes (12 characters).

Module: CSQ1LOGP

Severity: 8

System Action: Processing is terminated.

Operator Response: Resubmit the job providing a valid RBASTART value of no more than 12 hexadecimal characters.

CSQ1116E RBAEND ALREADY DEFINED

Explanation: The RBAEND parameter can only be specified once for a given job.

Module: CSQ1LOGP

Severity: 8

System Action: Processing is terminated.

Operator Response: Resubmit the job providing a single RBAEND parameter.

CSQ1117E RBAEND SPECIFIED WITH NO VALUE

Explanation: The RBAEND keyword specifies the last valid hexadecimal log RBA that is to be extracted. RBAEND must be followed by a value.

Module: CSQ1LOGP

Severity: 8

System Action: Processing is terminated.

Operator Response: Resubmit the job providing an associated value for the RBAEND parameter.

CSQ1118E RBAEND > 12 HEX CHARACTERS

Explanation: The maximum size of a log RBA in MQSeries is 6 bytes (12 characters).

Module: CSQ1LOGP

Severity: 8

System Action: Processing is terminated.

Operator Response: Resubmit the job providing an RBAEND value that is no more than 12 hexadecimal characters.

CSQ1119E RM ALREADY DEFINED

Explanation: The RM parameter can only be specified once for a given job.

Module: CSQ1LOGP

Severity: 8

System Action: Processing is terminated.

Operator Response: Resubmit the job, providing a single RM parameter.

CSQ1120E RM SPECIFIED WITH NO VALUE

Explanation: The RM keyword must be followed by a valid resource manager name.

Module: CSQ1LOGP

Severity: 8

System Action: Processing is terminated.

Operator Response: Resubmit the job, providing a resource manager name.

CSQ1121E RM VALUE xxxxxxxx IS INVALID

Explanation: The value xxxxxxxx is not a valid resource manager name. Valid values for this keyword are:

- RECOVERY
- DATA
- BUFFER

Module: CSQ1LOGP

Severity: 8

System Action: Processing is terminated.

Operator Response: Resubmit the job, using a valid resource manager name.

CSQ1124E LIMIT OF 10 PAGE SETS EXCEEDED

Explanation: A maximum of 10 PAGESET keywords can be specified in any given job.

Module: CSQ1LOGP

Severity: 8

System Action: Processing is terminated.

Operator Response: Resubmit the job, providing no more than 10 PAGESET keywords.

CSQ1125E PAGE SET SPECIFIED WITH NO VALUE

Explanation: The PAGESET keyword specifies the decimal identifier of a page set. PAGESET must be followed by a value.

Module: CSQ1LOGP

Severity: 8

System Action: Processing is terminated.

Operator Response: Resubmit the job, providing an associated value for the PAGESET keyword.

CSQ1126E PAGE SET VALUE INVALID

Explanation: The PAGESET keyword specifies the decimal identifier of a page set. The value must be in the range 00 through 99.

Module: CSQ1LOGP

Severity: 8

System Action: Processing is terminated.

Operator Response: Resubmit the job, providing a valid value for the PAGESET keyword.

CSQ1127E KEYWORD xxxxxxxx UNKNOWN

Explanation: CSQ1LOGP does not recognize the keyword xxxxxxxx.

Module: CSQ1LOGP

Severity: 8

System Action: Processing is terminated.

Operator Response: Check to make sure all keywords are valid and resubmit the job.

CSQ1128E RBAEND WITHOUT RBASTART

Explanation: You cannot specify the end of a search range (RBAEND) without specifying a beginning of the search range (RBASTART).

Module: CSQ1LOGP

Severity: 8

System Action: Processing is terminated.

Operator Response: Resubmit the job providing an RBASTART value to correspond to the RBAEND value given to specify a valid search range.

CSQ1130E KEYWORD xx NUMBER yy CONTAINS INVALID HEX DATA

Explanation: A hexadecimal specification is required. The value for the yyth occurrence of keyword xx contains an invalid hexadecimal character.

Module: CSQ1LOGP

Severity: 8

System Action: Processing is terminated.

Operator Response: Resubmit the job providing a correct hexadecimal value specification.

CSQ1131E KEYWORD xx CONTAINS INVALID HEX DATA

Explanation: A hexadecimal specification is required. The value for keyword xx contains an invalid hexadecimal character.

Module: CSQ1LOGP

Severity: 8

System Action: Processing is terminated.

Operator Response: Resubmit the job providing a correct hexadecimal value specification.

CSQ1132E URID SPECIFIED WITH NO VALUE

Explanation: The URID keyword specifies the hexadecimal unit of recovery identifier. URID must be followed by a value.

Module: CSQ1LOGP

Severity: 8

System Action: Processing is terminated.

Operator Response: Resubmit the job providing an associated value for the URID parameter.

CSQ1133E URID > 12 HEX CHARACTERS

Explanation: The maximum size of a URID in MQSeries is 6 bytes (12 characters).

Module: CSQ1LOGP

Severity: 8

System Action: Processing is terminated.

Operator Response: Resubmit the job providing a valid URID value of no more than 12 hexadecimal characters.

CSQ1134E LIMIT OF 10 URIDS EXCEEDED

Explanation: A maximum of 10 URID keywords can be specified in any given job.

Module: CSQ1LOGP

Severity: 8

System Action: Processing is terminated.

Operator Response: Resubmit the job providing no more than 10 URID keywords.

CSQ1135E SUMMARY ALREADY DEFINED

Explanation: The SUMMARY option can only be specified once.

Module: CSQ1LOGP

Severity: 8

System Action: Processing is terminated.

Operator Response: Resubmit the job using a single SUMMARY specification.

CSQ1136E SUMMARY SPECIFIED WITH NO VALUE OR INCORRECT VALUE

Explanation: The permitted values for summary are YES, NO, or ONLY.

Module: CSQ1LOGP

Severity: 8

System Action: Processing is terminated.

Operator Response: Resubmit the job providing a valid parameter for the SUMMARY option.

CSQ1137I FIRST PAGE SET CONTROL RECORD AFTER RESTART = nnnnnnnnnnnn

Explanation: nnnnnnnnnnnn is the log RBA of a record that serves as an implicit indication that a restart occurred just prior to this point.

Module: CSQ1LOGP

Severity: 0

System Action: Processing continues.

CSQ1139E SYSSUMRY DD STATEMENT MISSING

Explanation: You requested the SUMMARY option, but did not include the SYSSUMRY DD statement in your JCL invocation.

Module: CSQ1LOGP

Severity: 8

System Action: Processing terminates.

Operator Response: Resubmit the job with a SYSSUMRY DD statement included in the JCL invocation.

CSQ1144E RBASTART SPECIFIED WITH NO VALUE

Explanation: The RBASTART keyword specifies the hexadecimal log RBA from which to begin extraction. RBASTART must be followed by a value.

Module: CSQ1LOGP

Severity: 8

System Action: Processing is terminated.

Operator Response: Resubmit the job providing an associated value for the RBASTART parameter.

CSQ1145E CURRENT RESTART TIME STAMP OUT OF SEQUENCE — TIME=*date time* LOG RBA=*log-rba*

Explanation: This message indicates that the current log record has a time stamp that is less than the greatest time stamp processed so far. This might be a potential problem.

This message is followed by messages CSQ1147I and CSQ1148I which give the latest time stamp seen.

Module: CSQ1LOGP

Severity: 4

System Action: Processing continues.

Operator Response: Examine current log to determine whether multiple processors are writing to the same log. (Data might be being overwritten.) This might lead to data inconsistencies.

CSQ1146E CURRENT END CHECKPOINT TIME STAMP OUT OF SEQUENCE — TIME=*date time* LOG RBA=*log-rba*

Explanation: This message indicates that the current log record has a time stamp that is less than the previous time stamp processed. This might be a potential problem.

This message is followed by messages CSQ1147I and CSQ1148I which give the latest time stamp seen.

Module: CSQ1LOGP

Severity: 4

System Action: Processing continues.

Operator Response: Examine current log to determine whether multiple processors are writing to the same log. (Data might be being overwritten.) This might lead to data inconsistencies.

CSQ1147I LATEST TIME STAMP SEEN SO FAR — TIME=*date time* LOG RBA=*log-rba*

Explanation: This message follows message CSQ1145I or CSQ1146I and gives the latest time stamp seen.

Module: CSQ1LOGP

Severity: 4

CSQ1148I MULTIPLE PROCESSORS MAY BE WRITING TO THE SAME LOG

Explanation: This message follows message CSQ1145I or CSQ1146I to indicate a possible cause of the time stamp problem.

Module: CSQ1LOGP

Severity: 4

CSQ1150I SUMMARY OF COMPLETED EVENTS

Explanation: This message heads the summary of completed units of recovery (URs) and checkpoints.

Module: CSQ1LOGP

Severity: 0

System Action: Processing continues.

CSQ1151I UR CONNID=*cc* THREAD-XREF=*bb* USERID=*aa* TIME=*date time* START=*ss* END=*ee* DISP=*xx* INFO=*ii*

Explanation: This message describes a unit of recovery that terminated.

- cc* Connection id (for example, BATCH)
- bb* Thread cross-reference id (for example, JOB xxx)
- aa* User id executing the UR
- date time* Starting time of the UR
- ss* Log RBA of the first log record associated with the UR (that is, the URID)
- ee* Log RBA of the last log record associated with the UR If the UR is not complete, *ee* is shown as '***'
- xx* Disposition of the UR, values include:
 - Inflight
 - In-backout
 - In-commit
 - Indoubt
 - Committed
 - Backed out
- ii* Status of the data, one of the following:
 - COMPLETE, indicating that all page sets modified by this UR have been identified
 - PARTIAL, indicating that the list of page sets modified by this UR is incomplete (this is shown if all records associated with a UR are not available, and no checkpoint is found prior to the UR's completion)

If the UR identifying information is not available, it will be shown as '***'.

Module: CSQ1LOGP

Severity: 0

System Action: Processing continues.

CSQ1153I CHECKPOINT START=*ss* END=*ee* TIME=*date time*

Explanation: This message describes a complete checkpoint on the log starting at RBA *ss* and ending at RBA *ee*. If the information is available, CSQ1LOGP also returns the date and time that the checkpoint was completed.

When this message follows message CSQ1157I RESTART SUMMARY, it identifies the checkpoint that would be used at restart. If no checkpoint is available, message CSQ1158I is printed instead.

Module: CSQ1LOGP

Severity: 0

System Action: Processing continues.

CSQ1154I RESTART AT *xx* TIME=*date time*

Explanation: A normal restart occurred at log RBA *xx*. CSQ1LOGP also returns the date and time of that restart.

Module: CSQ1LOGP

Severity: 0

System Action: Processing continues.

CSQ1155I CONDITIONAL RESTART AT *xx TIME=date time*

Explanation: A conditional restart occurred at log RBA *xx*. CSQ1LOGP also returns the date and time of that restart.

Module: CSQ1LOGP

Severity: 0

System Action: Processing continues.

CSQ1156I ALL URS COMPLETE

Explanation: There are no URS outstanding for restart.

Module: CSQ1LOGP

Severity: 0

System Action: Processing continues.

CSQ1157I RESTART SUMMARY

Explanation: This message heads the summary of the description of work to be performed at restart. Restart information that follows is based on the scope of the log scanned. If you suspect an error in MQSeries, see the *MQSeries for OS/390 Problem Determination Guide* for information about identifying and reporting the problem.

Module: CSQ1LOGP

Severity: 0

System Action: Processing continues.

CSQ1158I NO CHECKPOINT AVAILABLE — RESTART SUMMARY INCOMPLETE

Explanation: No checkpoint is available within the scope of the log scanned. The information following this message includes:

- URs that have not completed
- Page sets modified by these URs
- Page sets with writes pending

The information cannot be considered complete.

Module: CSQ1LOGP

Severity: 0

System Action: Processing continues.

CSQ1161E INVALID URE FOUND AT RBA =yyyyyyyyyyyy

Explanation: While processing the SUMMARY option, an invalid URE checkpoint record was encountered in the log.

Module: CSQ1LOGP

Severity: 4

System Action: Processing continues.

Operator Response: If the checkpoint record identified in the message is used to restart MQSeries, the restart will be unsuccessful because MQSeries will not be able to process the unit of recovery presented by the invalid URE.

Look for other messages that indicate the cause of the problem. If you are unable to resolve the problem, contact your IBM support center.

CSQ1162E INVALID RURE FOUND AT RBA =yyyyyyyyyyyy

Explanation: While processing the SUMMARY option, an invalid RURE checkpoint record was encountered in the log.

Module: CSQ1LOGP

Severity: 4

System Action: Processing continues.

Operator Response: If the checkpoint record identified in the message is used to restart MQSeries, the restart will be unsuccessful because MQSeries will not be able to process the unit of recovery presented by the invalid RURE.

Look for other messages that indicate the cause of the problem. If you are unable to resolve the problem, contact your IBM support center.

CSQ1163E NO CHECKPOINT AVAILABLE DUE TO LOG ERROR — RESTART SUMMARY INCOMPLETE

Explanation: A log error was encountered. CSQ1LOGP marked any checkpoints encountered before the log error as invalid. There were no complete checkpoints following the log error in the specified log range. The information following this message includes:

- URs that have not completed
- Page set modified by these URs
- Page sets with writes pending

This information cannot be considered complete.

Module: CSQ1LOGP

Severity: 4

System Action: Processing continues.

CSQ1165E UR REQUIRES LOG WHICH IS IN ERROR

Explanation: While processing a UR, information was required from the log, but the log was in error, as indicated by previous messages.

Module: CSQ1LOGP

Severity: 0

System Action: Processing continues.

CSQ1166I INFORMATION INCOMPLETE FOR UR — LOG TRUNCATED AT *xx*

Explanation: Complete information for the UR is not available within the scope of the log scanned.

Module: CSQ1LOGP

Severity: 0

System Action: Processing continues.

CSQ1210E LOG READ ERROR RETCODE=xxxxxxx REASON CODE=yyyyyyyy

Explanation: An error was detected while attempting to read the log.

Module: CSQ1LOGP

Severity: 8

System Action: Processing is terminated.

Problem Determination: Refer to Appendix C, "MQSeries log services return codes" for information about the return code included in the message, and Part 2, "Codes" for information about the reason code.

CSQ1211E BAD LOG RBA RETURNED

Explanation: One of the three problems listed below exists:

- The recovery log data set is damaged
- You identified a data set that is not a recovery log data set
- There is a problem with the log print utility

Module: CSQ1LOGP

Severity: 8

System Action: Processing terminates, and a dump is produced.

System Programmer Response: A common error is to specify the first data set on an archive tape (the Bxxxxxxx data set) as a log data set; it is actually a bootstrap data set (BSDS).

Determine if the problem is your error by dumping the data set and determining if it is a log data set.

CSQ1212I FIRST LOG RBA ENCOUNTERED = xxxxxxxxxxxx

Explanation: This identifies the RBA of the first log record read.

Module: CSQ1LOGP

Severity: 0

System Action: Processing continues.

CSQ1213I LAST LOG RBA ENCOUNTERED = xxxxxxxxxxxx

Explanation: This identifies the RBA of the last log record read.

Module: CSQ1LOGP

Severity: 0

System Action: Processing continues.

CSQ1214I nn LOG RECORDS READ

Explanation: This identifies the number (in decimal) of logical log records read during CSQ1LOGP processing.

Module: CSQ1LOGP

Severity: 0

System Action: Processing continues.

CSQ1215I NO LOG RECORDS READ

Explanation: CSQ1LOGP read no log records.

Module: CSQ1LOGP

Severity: 0

System Action: Processing continues. Possible explanations are:

- An error has prevented CSQ1LOGP from continuing, therefore no log records have yet been processed (if this is so, an error message should precede this message)
- You specified the active log data sets or archive log data sets out of RBA sequence
- You specified a STARTRBA that is greater than any RBA in the active and archive data sets available

CSQ1216E LOG READ ERROR, RETCODE=xxxxxxx, REASON CODE=yyyyyyyy, RBA=nnnnnnnnnn

Explanation: An error was encountered while attempting to read the log, indicating that either the log has an error in one of the control intervals (CI), or a data set containing the requested RBA cannot be located. The RBA specification in the message indicates where the error was detected and gives the requested RBA. It will point to:

- The start of the CI if there is a problem with the log control

interval definition (LCID), or with any of the general control information within a CI

- The log record in the CI if there is a problem with a log record header (LRH)

If this is the first log record read during this execution of the Log Extractor, and if there is a problem with the LCID, the RBA specification will be all zeros.

Before returning any records, the utility checks the control information (LCID) at the end of a CI, and analyzes the LRH to ensure that all records are properly chained together within the CI. If an error is detected while performing this process, CSQ1LOGP will issue this message, before dumping the entire CI. It will not format individual records within the CI, but will, if possible, continue processing by reading the next CI.

Module: CSQ1LOGP

Severity: 4

System Action: Processing continues.

Problem Determination: The reason code identifies the nature of the error. The return code included in the message is explained in Appendix C, "MQSeries log services return codes," and the reason code is explained in Part 2, "Codes."

CSQ1217E RBA RANGE WARNING, RETCODE=xxxxxxx, REASON CODE=yyyyyyyy, PRIOR RBA=nnnnnnnnnn, CURRENT RBA=nnnnnnnnnn

Explanation: A gap in the log RBA range has been encountered. The PRIOR RBA specification indicates the last good log RBA prior to the gap. The CURRENT RBA specification indicates the log record following the gap, and will be formatted following this message.

Module: CSQ1LOGP

Severity: 4

System Action: Processing continues.

Problem Determination: The reason code identifies the nature of the error. The return code included in the message is explained in Appendix C, "MQSeries log services return codes," and the reason code is explained in Part 2, "Codes."

CSQ1218I nn LOG ERROR MESSAGES

Explanation: CSQ1LOGP distinguishes three classes of errors:

- Code problems existing in the MQSeries or system code used for CSQ1LOGP. In the event of a SYSABEND dump, a user abend code of U0153 will be issued, and CSQ1LOGP will be terminated.
- Incorrect invocation of CSQ1LOGP caused, perhaps, by your having used an incorrect keyword or missed a DD statement. Under these circumstances, CSQ1LOGP will issue appropriate error messages, and the program will be terminated.
- An error in a given log CI under the scrutiny of CSQ1LOGP. Such scrutiny is performed before any of the records within the CI are processed. This is an indication of logical damage, and error messages are issued by the utility. The CI or log record in error is printed, and CSQ1LOGP continues to the next CI or log record.

The count *nn* provided summarizes the number (in decimal) of errors CSQ1LOGP detected while accessing the log.

Module: CSQ1LOGP

Severity: 0

System Action: Processing continues.

CSQ1220E ARCHIVE LOG TRUNCATED AT xxxxxxxx — INVALID LOG RECORDS READ

Explanation: At a restart of MQSeries, an archive log was truncated. This archive log data set could not be physically altered to reflect this truncation, and invalid log records therefore still exist. CSQ1LOGP has already reported this information in the summary report, and cannot retract it. Nor can it disregard the invalid log information already read in order adequately to summarize what has occurred. Therefore, all information up to this point in the log will be summarized, and a new summary report initiated. Consequently, the same UR might be reported twice with different dispositions and different page sets modified.

Module: CSQ1LOGP

Severity: 4

System Action: Processing continues.

Operator Response: To avoid this condition, use the BSDS DD statement instead of the ARCHIVE DD statement.

CSQ1221E VSAM ERROR, RETCODE=xxxxxxx, REASON CODE=yyyyyyyy, VSAM RETURN CODE=aaaa, ERROR CODE=bbbb

Explanation: A VSAM error was encountered while attempting to read the log.

Module: CSQ1LOGP

Severity: 8

System Action: Processing continues.

Problem Determination: The return code included in the message is explained in Appendix C, "MQSeries log services return codes," and the reason code in Part 2, "Codes." The VSAM return code (aaaa), and error code (bbbb), identify the nature of the VSAM error. See the *DFSMS/MVS Macro Instructions for Data Sets* manual for an explanation of these codes.

CSQ1222E LOG ALLOCATION ERROR, RETCODE=xxxxxxx, REASON CODE=yyyyyyyy, DYNALLOC INFO CODE=aaaa, ERROR CODE=bbbb

Explanation: An error occurred while dynamically allocating a log data set.

Module: CSQ1LOGP

Severity: 8

System Action: Processing terminates.

Problem Determination: The return code indicated in the message is explained in Appendix C, "MQSeries log services return codes," and the reason code is explained in Part 2, "Codes." Information code aaaa and error code bbbb were returned by the dynamic allocation SVC and identify the nature of the error. See the *MVS Authorized Assembler Services Guide* manual for an explanation of these codes.

CSQ1223E JFCB READ ERROR, RETCODE=xxxxxxx, REASON CODE=yyyyyyyy, RDJFCB RETURN CODE=aaaa

Explanation: An error occurred while trying to read the job file control block.

Module: CSQ1LOGP

Severity: 8

System Action: Processing continues.

Problem Determination: The return code included in the message is explained in Appendix C, "MQSeries log services return codes," and the reason code is explained in Part 2, "Codes." The RDJFCB return code (aaaa), identifies the nature of the error. See the *MVS/ESA DFP System Programming Reference* manual for an explanation of these codes.

MQSeries-IMS bridge Messages (CSQ2...)

CSQ2001I *csect-name* OTMA REJECTED MESSAGE – APPLICATION ERROR, SENSE CODE=*code*, XCFGNAME=*gname* XCFMNAME=*mname* TPIPE=*tpipename*

Explanation: Because of an application error, the MQSeries-IMS bridge received a negative acknowledgement (NAK) from OTMA when sending a message. The information provided in the message is:

gname

The XCF group to which the partner belongs.

mname

The member name of the partner.

tpipename

The name of the Tpipe used by the partner.

code

The IMS sense code returned by the partner (the first four characters are the sense code).

System Action: The message is put to the dead-letter queue, and processing continues.

System Programmer Response: Refer to the *IMS/ESA Open Transaction Manager Access Guide* for information about the sense code from IMS.

CSQ2002E *csect-name* OTMA CLIENT BID REJECTED, XCFGNAME=*gname* XCFMNAME=*mname*, SENSE CODE=*code*

Explanation: An OTMA client bid command from the MQSeries-IMS bridge was rejected. *code* is the associated IMS sense code. *gname* and *mname* identify the partner IMS system to which the command was directed.

System Action: No connection is made to the IMS system. Connections to other OTMA partners are unaffected.

System Programmer Response: Refer to the *IMS/ESA Open Transaction Manager Access Guide* for information about the sense code from IMS.

CSQ2003E *csect-name* OTMA REJECTED MESSAGE – SYSTEM ERROR, SENSE CODE=*code*, XCFGNAME=*gname* XCFMNAME=*mname* TPIPE=*tpipename*

Explanation: Because of a system-related error, the MQSeries-IMS bridge received a negative acknowledgement (NAK) from OTMA when sending a message. The information provided in the message is:

gname

The XCF group to which the partner belongs.

mname

The member name of the partner.

tpipename

The name of the Tpipe used by the partner.

code

The IMS sense code returned by the partner (the first four characters are the sense code).

System Action: If the problem was caused by an environmental error, the IMS bridge returns the message to the queue, and closes the queue.

If a severe error occurred, the message is returned to the queue, and the IMS bridge ends abnormally with completion code X'5C6' and reason code 00F20059.

System Programmer Response: Refer to the *IMS/ESA Open Transaction Manager Access Guide* for information about the sense code from IMS.

CSQ2004E *csect-name* ERROR USING QUEUE *q-name*, MQRC=*mqr*

Explanation: The MQSeries-IMS bridge was unable to open, close, get from, put to, or inquire about a queue.

If *csect-name* is CSQ2QCP0, the problem was with the message queue associated with IMS or the reply-to queue. If *csect-name* is CSQ2QCP1, the problem was with the reply-to queue. If *csect-name* is CSQ2PUTD, the problem was with the dead-letter queue.

System Action: If the problem was caused by an environmental error, processing continues.

If a severe error occurred, the IMS bridge ends abnormally with completion code X'5C6' and a reason code which shows the particular error.

System Programmer Response: Refer to Appendix A, "API completion and reason codes" for information about *mqr*.

CSQ2005I *csect-name* ERROR PROCESSING MESSAGE, FEEDBACK=*code*, XCFGNAME=*gname* XCFMNAME=*mname* TPIPE=*tpipename*

Explanation: The MQSeries-IMS bridge encountered an error while processing a message. *code* is the associated feedback code that will be set in the message descriptor. The information provided in the message is:

gname

The XCF group to which the partner belongs.

mname

The member name of the partner.

tpipename

The name of the Tpipe used by the partner.

code

The IMS sense code returned by the partner.

System Action: The message is not processed.

System Programmer Response: *code* is one of the following:

291 (MQFB_DATA_LENGTH_ZERO)

A segment length field was zero in the application data of the message.

292 (MQFB_DATA_LENGTH_NEGATIVE)

A segment length field was negative in the application data of the message.

293 (MQFB_DATA_LENGTH_TOO_BIG)

A segment length field was too big in the application data of the message.

294 (MQFB_BUFFER_OVERFLOW)

The value of one of the length fields would overflow the MQSeries message buffer.

295 (MQFB_LENGTH_OFF_BY_ONE)

The length field was one byte too short.

296 (MQFB_IH_ERROR)

The MQMD specified MQFMT_IMS, but the message does not begin with a valid MQIHM structure.

298 (MQFB_NOT_AUTHORIZED_FOR_IMS)

The user ID specified in the MQMD was denied access.

3xx

IMS sense code xx (where xx is the decimal representation of the IMS sense code). Refer to the *IMS/ESA Open Transaction*

Manager Access Guide for information about the sense code from IMS.

CSQ2006I *csect-name* **DEAD-LETTER QUEUE UNAVAILABLE,**
MQRC=*mqr*

Explanation: The MQSeries-IMS bridge was unable to put a message to the dead-letter queue.

System Action: If the message was being sent to IMS, it will be retained on the local IMS queue, and the queue will be disabled. If the message was coming from IMS, a NAK will be sent to IMS so that IMS will retain it and stop sending messages on the Tpipe.

System Programmer Response: If *mqr* is 0, there is no dead-letter queue defined; you are strongly recommended not to use the MQSeries-IMS bridge unless you have a dead-letter queue defined. Otherwise, there is a problem obtaining the name of the queue from the queue manager; refer to Appendix A, "API completion and reason codes" for information about *mqr*.

CSQ2009I *csect-name* **PREREQUISITE PRODUCTS FOR IMS BRIDGE NOT AVAILABLE**

Explanation: The MQSeries-IMS bridge cannot operate because:

- The version of OS/390 being used is not correct
- The version of IMS being used is not correct
- OTMA support has not been enabled on IMS.
- A down level version of the system parameter module (CSQZPARM) is being used.

System Action: The MQSeries-IMS bridge does not start.

System Programmer Response: Refer to the *MQSeries Planning Guide* for information about what product levels are required.

If required, recompile CSQZPARM with the correct libraries.

CSQ2010I *csect-name* **CONNECTED TO PARTNER,**
XCFGNAME=*gname* XCFMNAME=*mname*

Explanation: The MQSeries-IMS bridge successfully established a connection to the partner IMS system identified by *gname* and *mname*.

System Action: Processing continues; messages can be sent to the partner.

CSQ2011I *csect-name* **DISCONNECTED FROM PARTNER,**
XCFGNAME=*gname* XCFMNAME=*mname*

Explanation: The partner IMS system identified by *gname* and *mname* is no longer available, and the connection from the MQSeries-IMS bridge has ended.

System Action: Processing continues; messages can no longer be sent to the partner.

CSQ2012I *csect-name* **NO UTOKEN SECURITY REQUESTED FOR IMS SIGNON, XCFGNAME=*gname* XCFMNAME=*mname***

Explanation: The MQSeries-IMS bridge signed-on to the partner IMS system identified by *gname* and *mname*. No UTOKEN security was requested for this session.

System Action: Processing continues.

CSQ2013E *csect-name* **NOT AUTHORIZED FOR IMS SIGNON,**
XCFGNAME=*gname* XCFMNAME=*mname*

Explanation: The MQSeries-IMS bridge tried to sign on to the partner IMS system identified by *gname* and *mname*. However, the MQSeries system is not authorized to establish a connection to this IMS system.

System Action: No connection is made to the IMS system. Connections to other OTMA partners are unaffected.

CSQ2014E *csect-name* **NO STORAGE AVAILABLE**

Explanation: There was insufficient storage available for a system recovery routine. *csect-name* shows which routine.

Severity: 4

System Action: Processing continues, but the dump function provided by the system recovery routine will be inhibited.

System Programmer Response: Increase the size of the queue manager address space, or reduce the number of queues, messages, and threads being used.

CSQ2015E *csect-name*. **SDUMPX FAILED, RC=0000ssrr,**
dump-identifier

Explanation: The system dump routine was unable to issue a dump; the dump identifier was as shown in the message. *rr* is the return code and *ss* is the reason code (both in hexadecimal) from the OS/390 SDUMPX service.

Severity: 4

System Action: Processing continues.

System Programmer Response: See the *MVS Authorized Assembler Services Reference* manual for information about the return code and reason code from the SDUMPX request.

CSQ2020E *csect-name* **RESYNCHRONIZATION ERROR IN TPIPE**
***tpipename* FOR QUEUE *q-name*, BY PARTNER,**
XCFGNAME=*gname* XCFMNAME=*mname*,
QMGR SEND=*sendseq*
PARTNER RECEIVE=*otmarecvseq*
QMGR RECEIVE=*rcvseq*
PARTNER SEND=*otmasendseq*
INDOUBT UNIT OF RECOVERY *urid*

Explanation: A resynchronization error has occurred. The information provided by this message is:

tpipename

The name of the Tpipe which cannot be resynchronized

q-name

The name of the queue for this Tpipe

gname

The name of the XCF group to which the Tpipe belongs

mname

The name of the XCF member to which the Tpipe belongs

sendseq

The recoverable sequence number of the message last sent by MQSeries to the partner, in hexadecimal

otmasendseq

The recoverable sequence number of the message last sent by the partner to MQSeries, in hexadecimal

rcvseq

The recoverable sequence number of the message last received by MQSeries from the partner, in hexadecimal

otmarecvseq

The recoverable sequence number of the message last received by the partner from MQSeries, in hexadecimal

urid

The identifier of an in-doubt unit of recovery; a value of 0 means that there is no in-doubt unit of recovery.

System Action: No messages are sent on the Tpipe.

System Programmer Response: Use the MQSeries RESET TPIPE command to reset recoverable sequence numbers, to restart the Tpipe, and, if required, to resolve the unit of recovery.

CSQ2023E *csect-name* PARTNER, XCFGNAME=*gname*
XCFMNAME=*mname*,
CANNOT RESYNCHRONIZE,
SENSE CODE=*code*

Explanation: MQSeries was unable to resynchronize with the partner. The information provided in the message is:

gname

The name of the XCF group to which the partner belongs.

mname

The member name of the partner who cannot resynchronize.

code

The IMS sense code returned by the partner (the first four characters are the sense code).

System Action: The connection to OTMA is stopped

System Programmer Response: See the *IMS/ESA Open Transaction Manager Access Guide* for information about the sense code from IMS. Resolve the problem and restart the OTMA connection.

CSQ2024E *csect-name* TPIPE *tpipename* IS UNKNOWN TO
PARTNER, XCFGNAME=*gname* XCFMNAME=*mname*

Explanation: The Tpipe name was unknown to the partner. The information provided in the message is:

tpipename

The name of the Tpipe which the partner no longer recognizes.

gname

The XCF group to which the partner belongs.

mname

The member name of the partner who is resynchronizing

System Action: The associated unit of recovery is backed out and processing continues.

System Programmer Response: None.

CSQ2025E *csect-name* PARTNER, XCFGNAME=*gname*
XCFMNAME=*mname*, CANNOT RESYNCHRONIZE
TPIPE *tpipename*, SENSE CODE=*code*

Explanation: The partner was unable to resynchronize the Tpipe. The information provided in the message is:

gname

The XCF group to which the partner belongs.

mname

The member name of the partner who is resynchronizing.

tpipename

The name of the Tpipe which the partner cannot resynchronize.

code

The IMS sense code returned by the partner.

System Action: The Tpipe is stopped.

System Programmer Response: See the *IMS/ESA Open Transaction Manager Access Guide* for information about the sense code from IMS. Resolve the problem and restart or reset the Tpipe.

CSQ2026I *csect-name* PARTNER, XCFGNAME=*gname*
XCFMNAME=*mname*, HAS COLD-STARTED TPIPE
tpipename

Explanation: The partner has cold started a Tpipe. The information provided in the message is:

gname

The XCF group of which the partner is a member.

mname

The member name of the partner who is resynchronizing.

tpipename

The name of the Tpipe which the partner has cold started.

System Action: All recoverable sequence numbers are reset to 1, and processing continues.

System Programmer Response: None.

CSQ2027I *csect-name* TPIPE *tpipename* FOR PARTNER,
XCFGNAME=*gname* XCFMNAME=*mname*, DOES NOT
HAVE AN INDOUBT UNIT OF RECOVERY

Explanation: MQSeries expected a Tpipe to have an in-doubt unit of recovery. The information provided by the message is:

tpipename

The name of the Tpipe for which there should be a unit of recovery still in doubt

gname

The XCF group to which the partner belongs.

mname

The member name of the partner for the Tpipe.

System Action: Processing continues.

System Programmer Response: Collect the following items, and contact your IBM support center.

- Console log
- MQSeries job log
- IMS job log

CSQ2028I *csect-name* QUEUE MANAGER IS NOT CONNECTED
TO PARTNER, XCFGNAME=*gname*
XCFMNAME=*mname*

Explanation: MQSeries is not connected to the partner. The information provided in the message is:

gname

The group name of the partner entered in the MQSeries RESET TPIPE command.

mname

The member name of the partner entered in the MQSeries RESET TPIPE command.

System Action: The command is rejected.

System Programmer Response: Resubmit the RESET TPIPE command using the correct XCF group name when the MQSeries is connected to the partner.

CSQ2029I *csect-name* TPIPE *tpipename* NOT FOUND FOR
PARTNER, XCFGNAME=*gname* XCFMNAME=*mname*

Explanation: The Tpipe could not be found. The information provided in this message is:

tpipename

The name of the Tpipe which could not be found.

gname

The XCF group of which the partner is a member.

mname

The member name of the partner for the Tpipe.

System Action: The command is rejected.

System Programmer Response: Resubmit the MQSeries RESET TPIPE command with the correct Tpipe name.

CSQ2030I *csect-name* **TPIPE** *tpipename* **IS STILL OPEN FOR PARTNER, XCFGNAME=*gname* XCFMNAME=*mname***

Explanation: The Tpipe is still open. The information provided by this message is:

tpipename

The name of the Tpipe which is still open.

gname

The XCF group name.

mname

The member name of the partner for the Tpipe.

System Action: The command is rejected.

System Programmer Response: Resubmit the MQSeries RESET TPIPE command with the correct Tpipe name.

CSQ2031I *csect-name* **TPIPE** *tpipename* **FOR PARTNER, XCFGNAME=*gname* XCFMNAME=*mname*, ACTION REQUIRED FOR INDOUBT UNIT OF RECOVERY**

Explanation: A Tpipe has an in-doubt unit of recovery, but no recovery action was specified. The information provided by the message is:

tpipename

The name of the Tpipe which has a unit of recovery still in doubt

gname

The XCF group to which the partner belongs.

mname

The member name of the partner for the Tpipe.

System Action: Processing continues.

System Programmer Response: Resubmit the MQSeries RESET TPIPE command specifying an action (COMMIT or BACKOUT) for the in-doubt unit of recovery.

Subsystem support messages (CSQ3...)

CSQ3001E *csect-name* ABNORMAL DISCONNECT FROM SUBSYSTEM INTERFACE

Explanation: This message indicates that *csect-name* has discovered that an online routine was still supporting SSI calls (IEFSSREQ) even though MQSeries had nearly completed termination or was no longer executing. This occurs with *csect-name* CSQ3RS00 or CSQ3RS0X when the MQSeries address space has reached end-of-memory and neither normal termination nor online error recovery routines have successfully completed termination of the MQSeries subsystem. This occurs with *csect-name* CSQ3SSTM when this condition is discovered during online termination.

Module: CSQ3RS00, CSQ3SSTM, CSQ3RS0X

System Action: The connection is terminated. All IEFSSREQ requests are handled by the MQSeries ERLY code until MQSeries is restarted. An SVC dump is requested.

Problem Determination: Collect the following items, and contact your IBM support center:

- System Dump
- Printout of SYS1.LOGREC

CSQ3002I INDOUBT RECOVERY BY *connection-name* STILL IN PROGRESS

Explanation: There might be MQSeries units of recovery (URs), related to an identified subsystem (*connection-name*), still in doubt after restart synchronization has taken place. (Indoubt URs are those for which commit has been voted by MQSeries but which have not yet been acknowledged by *connection-name*.)

This message might appear if the *connection-name* subsystem has begun to do new work before having resolved all in-doubt URs. The *connection-name* subsystem is still in the process of resolving the in-doubt URs.

Module: CSQ3ID30

System Action: Resources held (locked) by these in-doubt URs are unavailable to any other work units until their status is resolved.

System Programmer Response: The system programmer or system administrator must determine the correct recovery action to resolve the in-doubt situations. This involves either ensure-commit or backout decisions for all in-doubt URs.

The DISPLAY THREAD command should be used to see the URs still in doubt. It will normally show that all in-doubt URs have now been resolved. If not, the RESOLVE INDOUBT command should be used, either from an OS/390 console or through an adapter to resolve the in-doubt URs and to release the resources they hold.

Problem Determination: This error is probably caused by a cold start after an abnormal termination of either subsystem or by offline alterations of the logs of either subsystem.

CSQ3004E DESCRIPTOR GET FAILURE RC=*X rc*, REASON=*X reason*

Explanation: The parameter list required to create the MQSeries agents under which IEFSSREQ calls are processed could not be obtained from the subsystem support subcomponent directory of internal parameters (CSQ3DIR1). The RC indicates the return code received from the system parameter manager and REASON indicates the reason code (from register 0).

The return code is always 4 when this message is presented,

indicating that the IEFSSREQ descriptor was not found in the subsystem support subcomponent directory. This is a system error and results in termination of the MQSeries subsystem. The reason code is always 0.

Module: CSQ3SSIN

System Action: Subsystem initialization is discontinued. Termination occurs.

System Programmer Response: Repair the system parameter load module (the default supplied version is called CSQZPARM) and the MQSeries program libraries, and restart the MQSeries subsystem.

Problem Determination: If the problem persists, use any dumps and the console log to diagnose the problem. If you suspect an error in MQSeries, see the *MQSeries for OS/390 Problem Determination Guide* for information about identifying and reporting the problem.

CSQ3006E *rmid* SSI FUNCTION WAS ALREADY ACTIVE WHEN ACTIVATE WAS ATTEMPTED

Explanation: An initialization sequence error has occurred.

Module: CSQ3SSIN

System Action: Subsystem initialization is discontinued. MQSeries termination occurs.

System Programmer Response: Ensure that all maintenance has been applied to the MQSeries program libraries, and then restart the MQSeries subsystem.

Problem Determination: If the problem persists, collect the following items, and contact your IBM support center:

- Console log
- System dump

CSQ3007E *rmid* SSI FUNCTION WAS ALREADY INACTIVE WHEN DEACTIVATE WAS ATTEMPTED

Explanation: A termination sequence error has occurred.

Module: CSQ3SSTM

System Action: Termination continues.

System Programmer Response: Ensure that all maintenance has been applied to the MQSeries program libraries.

Problem Determination: If the problem persists, collect the following items, and contact your IBM support center:

- Console log
- System dump

CSQ3008E *csect-name* ABNORMAL DISCONNECT FOR PROGRAM REQUEST HANDLER(S)

Explanation: This message indicates that *csect-name* has discovered that one or more resource managers are still supporting application program calls through their program request handler, even though MQSeries had almost completed termination, or was no longer executing. This occurs when the MQSeries address space has gone to end of memory and neither normal termination nor online error recovery routines have successfully completed termination of the MQSeries subsystem.

Module: CSQ3RS00, CSQ3RS0X

System Action: The connection is terminated. All application program support requests are rejected with an indication that MQSeries is not up. An SVC dump is requested.

System Programmer Response: If the problem persists, collect the following items, and contact your IBM support center:

- System Dump
- Printout of SYS1.LOGREC

CSQ3009E *error-info*

Explanation: An internal error has occurred in RRS exit processing. The message contains error information that will be needed to resolve the problem.

System Action: Processing continues, but RRS coordination is no longer available to MQSeries. It will probably be necessary to restart MQSeries or RRS.

Module: CSQ3TRAC

System Programmer Response: Collect the items listed in the Problem Determination section and contact your IBM support center.

Problem Determination: Collect the following diagnostic items:

- A description of the actions that led to the message or, if applicable, a listing of the application program, or the input string to a utility program, being run at the time
- The error information in the message
- MQSeries job log
- The MQSeries active log data set
- Any system dump output associated with the message
- The MQSeries, OS/390, CICS, and IMS service levels

CSQ3011I *csect-name* **Coordinator RRS is cold starting and has lost its log. In-doubt MQSeries threads need manual resolution**

Explanation: MQSeries has participant responsibility for in-doubt threads. OS/390 RRS, the commit coordinator, has informed MQSeries that it lost all knowledge of MQSeries in-doubt threads. The in-doubt threads at this queue manager must be manually resolved with the RESOLVE INDOUBT command.

System Action: Processing continues.

System Programmer Response: A list of in-doubt threads where OS/390 RRS is the coordinator can be displayed using the DISPLAY THREAD command for in-doubt type threads by specifying RRSBATCH as the connection name.

The decision to commit or back out the logical unit of work should be coordinated with any other participant OS/390 RRS Recoverable Resource Managers. The existence of other participants might not be easy to determine. The information might be available in the RRS recovery log even though information has been lost.

At this queue manager, all in-doubt threads coordinated by the OS/390 RRS must be resolved with the RESOLVE INDOUBT command. Locked data remains unavailable until resolution. Threads that were already resolved with this command are discarded. Threads not yet resolved are discarded after resolution with the command.

The commit or back out decision provided using the RESOLVE INDOUBT command for a logical unit of work is propagated to all downstream participants, if any.

CSQ3013I *csect-name* **MQSeries was restarted on the wrong system so cannot connect to RRS. There are unresolved URs where MQSeries is a participant**

Explanation: MQSeries has one or more in-doubt threads and is unable to connect to OS/390 RRS to resolve these in-doubt units of recovery (URs).

System Action: Processing continues.

Operator Response: Start MQSeries on the correct system.

CSQ3014I *csect-name* **In-doubt RRS URID=*rrs_urid* is unknown to MQSeries. URID recorded for MQSeries by RRS=*mqseries-urid***

Explanation: MQSeries is restarting with OS/390 RRS where MQSeries is a participant and OS/390 RRS is the coordinator. OS/390 RRS has a unit of recovery (UR) that MQSeries should be a participant in, but MQSeries has no knowledge of the OS/390 RRS unit of recovery, whose ID is *rrs-urid*. OS/390 RRS has recorded the MQSeries URID as *mqseries-urid*.

System Action: Restart with OS/390 RRS continues.

System Programmer Response: This message might indicate an MQSeries or OS/390 RRS problem, or it might be produced because of one of the following prior actions:

- A conditional restart was performed that resulted in the loss of part or all of the MQSeries log. This conditional restart might have happened at any time in the past.
- The RESOLVE INDOUBT command was used to resolve the MQSeries UR with ID *mqseries-urid*.

If one of these occurred, the message can be ignored. If neither occurred, there might be a MQSeries or an OS/390 RRS problem.

If the *mqseries-urid* appears to be a valid log RBA, use the log print utility (CSQ1LOGP) with the SUMMARY option and URID options using the *mqseries-urid* value. If this finds the UR, the disposition will indicate whether it was committed or backed out. If possible, use the OS/390 RRS ISPF interface to commit or back out the OS/390 RRS URID so that they match.

If you suspect an error in MQSeries, collect the items listed in the Problem Determination section and contact your IBM support center.

Problem Determination: Collect the following diagnostic items:

- MQSeries job log
- The MQSeries active log data set

CSQ3016I *csect-name* **RRS has lost data from its log**

Explanation: MQSeries is restarting with OS/390 RRS and OS/390 RRS has lost some portion of its log.

System Action: Restart with RRS continues.

System Programmer Response: MQSeries might not be able to resolve in-doubt units of recovery successfully with RRS because of the loss of RRS log data.

CSQ3100I *csect-name* - **SUBSYSTEM *ssnm* READY FOR *cpf*START COMMAND**

Explanation: This message is issued after termination of the previous execution of MQSeries is complete. Message CSQ3104I is also issued during this processing.

Module: CSQ3EC00, CSQ3EC0X

Operator Response: Issue the START command when MQSeries execution is desired. *cpf* is the command prefix for your MQSeries subsystem.

CSQ3101E *csect-name* **INVALID EARLY PROCESSING MODULE NAME IN PARMLIB RECORD**

Explanation: CSECT CSQ3UR00 has discovered that a parameter passed to MQSeries subsystem initialization is in error. Either the Early processing load module name is not between 1 and 8 characters long, or there are syntax errors in the parameter string. The entire parameter string must be between 3 and 19 characters long, and the next to the last character must be a ','. The parameters were obtained from the parameter fields of a record defining a MQSeries subsystem in member IEFSSNxx of SYS1.PARMLIB.

The command prefix (CPF) is not inserted in this message as it is not yet known. The failing subsystem name is provided in message IEF759I, which follows this message.

Module: CSQ3UR00

System Action: The MQSeries subsystem with the indicated name is not available for this IPL of OS/390.

Operator Response: Notify the system programmer.

System Programmer Response: Correct the parameter fields in the record of SYS1.PARMLIB member IEFSSNxx, and re-IPL OS/390. See the *MQSeries for OS/390 System Management Guide* for information about the IEFSSNxx record that defines an MQSeries subsystem.

CSQ3102E *csect-name* **INVALID COMMAND PREFIX IN PARMLIB RECORD**

Explanation: CSECT CSQ3UR00 has discovered that the command prefix (CPF) is invalid; it must be non-blank. The CPF is the last field of the parameter string passed to MQSeries IPL initialization. It is obtained from a record for the named subsystem in member IEFSSNxx of SYS1.PARMLIB.

The CPF is not inserted in this message as it cannot be determined. The failing subsystem name is provided in message IEF759I, which follows this message.

Module: CSQ3UR00

System Action: The MQSeries subsystem with the indicated name is not available for this IPL of OS/390.

Operator Response: Notify the system programmer.

System Programmer Response: Correct the parameter fields in the record of SYS1.PARMLIB member IEFSSNxx, and re-IPL OS/390. See the *MQSeries for OS/390 System Management Guide* for information about the IEFSSNxx record that defines an MQSeries subsystem.

CSQ3103E *csect-name* **- UNABLE TO LOAD EARLY PROCESSING MODULE SPECIFIED IN PARMLIB RECORD**

Explanation: CSECT CSQ3UR00 is unable to load the early processing load module named in the first parameter passed to MQSeries subsystem IPL initialization. The failing subsystem name is provided in message IEF759I, which follows this message.

Either the load module name was specified incorrectly or the load module does not reside in a library included in the OS/390 linklist.

Module: CSQ3UR00

System Action: CSQ3UR00 abends with code X'5C6' and reason code X'00F30103'. The MQSeries subsystem with the indicated name is not available for this IPL of OS/390.

Operator Response: Notify the system programmer.

System Programmer Response: Identify the cause of the error. Either correct the early processing load module or take the necessary steps to include the module in a link-listed library. Re-IPL OS/390. See the *MQSeries for OS/390 System Management Guide* for information about the IEFSSNxx record that defines an MQSeries subsystem. See the *MVS Initialization and Tuning Guide* for OS/390 linklist requirements.

Problem Determination: An entry is made to SYS1.LOGREC. No SVC dump is taken.

CSQ3104I *csect-name* **- TERMINATION COMPLETE**

Explanation: This message indicates that an MQSeries subsystem has terminated. The actual OS/390 termination of the MQSeries address spaces might have completed earlier. This message is presented for every termination, normal or abnormal.

Module: CSQ3EC00, CSQ3EC0X

Operator Response: Issue an OS/390 DISPLAY ACTIVE command to see if OS/390 has completed termination processing of the address spaces.

CSQ3105E *csect-name* **- UNABLE TO LOAD EARLY PROCESSING MODULE 'CSQ3EPX' ssnm IS NOT AVAILABLE**

Explanation: CSECT CSQ3UR00 is unable to load the early processing module CSQ3EPX required for OS/390. The name of the MQSeries subsystem undergoing IPL-time initialization is *ssnm*. Either the load module has been inadvertently deleted, or does not reside in a library included in the OS/390 linklist.

Module: CSQ3UR00

System Action: CSQ3UR00 abends with code X'5C6' and reason code X'00F30105'. MQSeries subsystem *ssnm* is not available for this IPL of OS/390.

Operator Response: Notify the system programmer.

System Programmer Response: Identify the cause of the error. Either correct the early processing load module or take the necessary steps to include the module in a link-listed library. Re-IPL OS/390.

If you suspect an error in MQSeries, see the *MQSeries for OS/390 Problem Determination Guide* for information about identifying and reporting the problem.

Problem Determination: An entry is made in SYS1.LOGREC. No SVC dump is taken. See the *MVS Initialization and Tuning Guide* for OS/390 linklist requirements.

You might find the following items useful in resolving the problem:

- Console output
- Printout of SYS1.LOGREC

CSQ3106E *csect-name* **SUBSYSTEM STOPPED. THIS COMMAND NOT PROCESSED:** *command-text*

Explanation: A command has been received which cannot be processed due to one of the following:

- The MQSeries subsystem has not been started (this could be because the START QMGR command was not entered correctly)
- The command was queued for processing while MQSeries was starting, but startup terminated with an error
- MQSeries terminated before the command could be processed

Module: CSQ3EC00, CSQ3EC0X

System Action: The command is not processed.

Operator Response: Start the MQSeries subsystem, then reenter the command.

CSQ3107E *csect-name* **COMMAND REJECTED. REQUESTER NOT AUTHORIZED**

Explanation: CSECT CSQ3EC00 or CSQ3EC0X has discovered that the source of the command was a console that does not have the correct authority.

Module: CSQ3EC00, CSQ3EC0X

System Action: The command is not processed. This message is sent to the console that entered the command.

Operator Response: Enter the command from another console that has the correct authority.

System Programmer Response: Verify that this console should be used for entering MQSeries commands. If so, authorize it for system commands by using OS/390 services.

Note: If MQSeries security is not activated, this check is still performed. This authorization is the OS/390 console authority, and is not related to the external security manager. The console that entered the MQSeries command must have the SYS,ALL or MASTER console authority attribute.

CSQ3108E *csect-name* **COMMAND REJECTED. COMMAND FACILITY PATH UNAVAILABLE**

Explanation: CSECT CSQ3EC00 or CSQ3EC0X has discovered that the path from OS/390 consoles to the MQSeries command processor is unavailable. It might still be possible to enter commands through one of the adapters, or the MQSeries utility program.

Module: CSQ3EC00, CSQ3EC0X

System Action: The command is not processed. This message is delivered to the console that entered the command.

System Programmer Response: The console command facility is available again the next time MQSeries is started. If it is necessary to regain this facility immediately, MQSeries should be canceled and restarted.

CSQ3109E *csect-name* - **UNABLE TO OBTAIN SUBSYSTEM AFFINITY TABLE INDEX FOR SUBSYSTEM** *ssnm*.
IEFSSREQ RC=*nn*

Explanation: CSECT CSQ3UR00 was unable to obtain a subsystem affinity table index for the named subsystem. OS/390 did not recognize the named subsystem name as a known subsystem. If this message is issued, a serious error has occurred in OS/390 or MQSeries.

In the message, *nn* is the return code from the IEFSSREQ OS/390 service. *ssnm* is the name of the MQSeries subsystem undergoing IPL-time initialization.

Module: CSQ3UR00

System Action: CSQ3UR00 abends with completion code X'5C6' and reason code X'00F30104'. The MQSeries subsystem with the indicated name is not available for this IPL of OS/390.

Operator Response: Notify the system programmer.

System Programmer Response: Try to re-IPL. If the problem persists, see the *MQSeries for OS/390 Problem Determination Guide* for information about reporting the problem.

Problem Determination: A record is written to SYS1.LOGREC. No SVC dump is taken. Return codes from IEFSSREQ are

documented in the *MVS Authorized Assembler Services Guide* manual.

CSQ3110I *csect-name* - **SUBSYSTEM** *ssnm* **READY FOR**
*cpf***START COMMAND**

Explanation: This message is issued when MQSeries subsystem initialization is complete. The *ssnm* in the message is the name of the subsystem that issued the message. This occurs during OS/390 IPL processing.

Module: CSQ3UR00

Operator Response: Issue the START command when MQSeries execution is desired. *cpf* is the command prefix for your MQSeries subsystem.

CSQ3111E *csect-name* - **LOAD MODULE** *module-name* **DOES NOT HAVE AMODE(31) ATTRIBUTE. *ssnm* IS NOT AVAILABLE**

Explanation: The MQSeries program which establishes MQSeries as an OS/390 subsystem during Master Scheduler initialization has determined that either its own load module or a load module loaded by it does not have the linkage editor attributes AMODE(31) and RMODE(ANY). Most MQSeries load modules must be capable of running in the 31-bit addressing mode.

In the message, *csect-name* is the name of the program detecting the error, *module-name* is the name of the first load module found with an invalid AMODE attribute, and *ssnm* is the name of the MQSeries subsystem undergoing IPL-time initialization.

Module: CSQ3UR00

System Action: Program CSQ3UR00 abends with a code of X'5C6' and a reason code of X'00F30111'. The MQSeries subsystem named *ssnm* is not initialized. The subsystem will not be available until the error is corrected and another IPL of OS/390 has been performed. A record is written to SYS1.LOGREC. No SVC dump is taken.

Operator Response: Notify the system programmer of the problem.

System Programmer Response: Verify that the installation and maintenance activities against MQSeries were executed successfully.

If necessary, REJECT all SMP APPLY steps which were executed incorrectly and rerun the rejected steps. Request a re-IPL of OS/390.

Problem Determination: If you are unable to resolve the problem, collect the following items, and contact your IBM support center:

- System Dump
- Printout of SYS1.LOGREC

CSQ3112E *csect-name* - **INVALID CPF SCOPE SPECIFIED IN PARMLIB RECORD. *ssnm* IS NOT AVAILABLE**

Explanation: CSECT CSQ3UR00 has discovered that the scope specified for the command prefix (CPF) is invalid. The CPF is the last field of the parameter string passed to MQSeries IPL initialization. It is obtained from a record for the named subsystem in member IEFSSNxx of SYS1.PARMLIB.

The CPF is not inserted in this message as it cannot be determined. *ssnm* is the name of the MQSeries subsystem undergoing IPL-time initialization.

Module: CSQ3UR00

System Action: The MQSeries subsystem with the indicated name is not available for this IPL of OS/390.

Operator Response: Notify the system programmer.

System Programmer Response: Correct the parameter fields in the record of SYS1.PARMLIB member IEFSSNxx, and re-IPL OS/390. See the *MQSeries for OS/390 System Management Guide* for information about the IEFSSNxx record that defines an MQSeries subsystem.

CSQ3113E csect-name - COMMAND PREFIX REGISTRATION FAILED. INVALID CHARACTER(S) IN CPF

Explanation: Command prefix registration failed because the command prefix (CPF) contains invalid characters.

Module: CSQ3UR00

System Action: MQSeries abends.

System Programmer Response: Change the CPF in the SYS1.PARMLIB member IEFSSNxx to include only characters from the valid character set. (See the *MQSeries for OS/390 System Management Guide* for information about how to do this.)

CSQ3114E csect-name - COMMAND PREFIX REGISTRATION FAILED. SUBSYSTEM NAME USED AS CPF OWNER, BUT CONTAINS INVALID CHARACTER(S)

Explanation: Command prefix registration failed because the subsystem name used as the owner of the command prefix (CPF) contains invalid characters.

Module: CSQ3UR00

System Action: MQSeries abends.

System Programmer Response: Change the SSID in the SYS1.PARMLIB member IEFSSNxx to include only characters from the valid character set. (See the *MQSeries for OS/390 System Management Guide* for information about how to do this.)

CSQ3115E csect-name - COMMAND PREFIX REGISTRATION FAILED. CPF ALREADY DEFINED

Explanation: Command prefix registration failed because the command prefix (CPF) was already defined to OS/390.

Module: CSQ3UR00

System Action: MQSeries abends.

System Programmer Response: Use the OS/390 command DISPLAY OPDATA to display the CPFs already in use. Change the CPF in the SYS1.PARMLIB member IEFSSNxx to one that is not already in use. (See the *MQSeries for OS/390 System Management Guide* for information about how to do this.)

CSQ3116E csect-name - COMMAND PREFIX REGISTRATION FAILED. CPF IS A SUBSET OF A CPF ALREADY DEFINED

Explanation: Command prefix registration failed because the command prefix (CPF) is a subset of a CPF already defined to OS/390.

Module: CSQ3UR00

System Action: MQSeries abends.

System Programmer Response: Choose a CPF that is not a subset of another CPF, and change the SYS1.PARMLIB member IEFSSNxx. (See the *MQSeries for OS/390 System Management Guide* for information about how to do this.)

CSQ3117E csect-name - COMMAND PREFIX REGISTRATION FAILED. CPF IS A SUPERSET OF A CPF ALREADY DEFINED

Explanation: Command prefix registration failed because the command prefix (CPF) is a superset of a CPF already defined to OS/390.

Module: CSQ3UR00

System Action: MQSeries abends.

System Programmer Response: Choose a CPF that is not a superset of another CPF, and change the SYS1.PARMLIB member IEFSSNxx. (See the *MQSeries for OS/390 System Management Guide* for information about how to do this.)

CSQ3118E csect-name - SYSTEM ERROR DURING COMMAND PREFIX REGISTRATION

Explanation: An OS/390 error occurred during command prefix (CPF) registration.

Module: CSQ3UR00

System Action: MQSeries abends.

System Programmer Response: Check the OS/390 console for other messages relating to the problem.

CSQ3201E ABNORMAL EOT IN PROGRESS FOR USER=user CONNECTION-ID=conn-id THREAD-XREF=thread-xref

Explanation: Abnormal termination processing has been started for the agent with the values for the USER, CONNECTION-ID, and THREAD-XREF shown. These values are the last known set of identifiers for the terminating agent.

The abnormal termination could be the result of an error in the allied agent's address space or the result of a cancel command issued by the operator.

The value for the USER and/or THREAD-XREF might be blank. The values for the USER, CONNECTION-ID, and THREAD-XREF are the last values established to MQSeries for this connection and might or might not represent the current activity of the agent. Previous MQSeries work by this agent might have completed successfully.

Module: CSQ3EOTS

System Action: The agent was previously queued to a System Services service task for termination processing. This message indicates that the agent has been taken from the queue for processing. Any uncommitted changes will be rolled back.

Operator Response: Notify your system programmer.

System Programmer Response: See the Problem Determination section of this message. The OS/390 CANCEL and FORCE commands will have no effect and should not be issued. MQSeries should not be canceled. If an extensive rollback is in progress, the subsequent MQSeries restart might take a very long time due to additional log activity.

Problem Determination: You can detect a deferred termination condition for a task by examining several indicators. Some or all of the following might be present:

- The allied address space might be swapped out and appear to be in a never-ending WAIT condition.
- The OS/390 commands CANCEL and FORCE appear to have no effect.
- The allied task holds an OS/390-shared ENQ on resource SYSZCSQ3.ERLYOLRH erly-block-address.
- During abnormal termination of the agent associated with the task in error, but prior to this message being written, the task's

connection will appear on the DISPLAY THREAD output with a QD status. See message CSQV404I for the definition of this status code.

- This message, CSQ3201E, is written to the OS/390 console after the agent has been removed from the service task work queue at the time that termination processing begins.
- During abnormal termination of the agent associated with the task in error, the task's connection will appear on the DISPLAY THREAD output with a D status. See message CSQV404I for the definition of these status codes.

**CSQ3580E CONNECTION FOR [EOM | FEOT | IDEN] GAVE RC=*X*
rc, REASON=*X* reason**

Explanation: A nonzero return code has been returned to CSQ3AMI2 from the SSSS connect to subsystem interface call. The variables in the message indicate which SSI call is involved and the actual return and reason codes associated with it.

Module: CSQ3AMI2

System Action: The current task (TCB) is abended with a system completion code of X'5C6' and with an abend reason code of X'00F30580'. The MQSeries subsystem terminates.

Operator Response: Notify the system programmer.

System Programmer Response: Restart the MQSeries subsystem. Note the values contained in the message, and contact your IBM support center.

Generalized command preprocessor messages (CSQ9...)

CSQ9000E KEYWORD *keyword-name* APPEARS MORE THAN ONCE

Explanation: The same keyword (specified in the messages as *keyword-name*) appears more than once in the command. This message will be issued for each occurrence of the keyword after the first.

Module: CSQ9SCND

System Action: Processing for the command is terminated.

System Programmer Response: Verify the command entry, and reenter the command.

CSQ9001E KEYWORD *keyword-name* IS INVALID

Explanation: The keyword (specified in the message as *keyword-name*) is unknown or undefined. The keyword might be misspelled, or the keyword might not be applicable to the command being processed.

Module: CSQ9SCND

System Action: Processing for the command is terminated.

System Programmer Response: Verify the command entry, and reissue the command.

CSQ9002E UNBALANCED PARENTHESES WERE FOUND FOLLOWING KEYWORD *keyword-name*

Explanation: An invalid combination of parentheses has been encountered following the keyword (specified in the message as *keyword-name*). A close parenthesis must follow an open parenthesis before another open parenthesis is encountered.

Module: CSQ9SCND

System Action: Processing for the command is terminated.

System Programmer Response: Verify the command entry, and reissue the command. See the *MQSeries Command Reference* manual for information about the rules for building commands.

CSQ9003E KEYWORD *keyword-name* PARAMETER CONTAINS UNBALANCED APOSTROPHES

Explanation: An odd number of apostrophes is present in a parameter. If the parameter is a quoted string, it must have one apostrophe at each end of the string. If an apostrophe is to appear within the string, two adjacent apostrophes must be entered. If the parameter is a hexadecimal value, it must be entered as X'hex characters'.

Module: CSQ9SCND

System Action: Processing for the command is terminated.

System Programmer Response: Verify the command entry, and reissue the command. See the *MQSeries Command Reference* manual for information about the rules for building commands.

CSQ9004E KEYWORD *keyword-name* RANGE (c) INCORRECTLY SPECIFIED

Explanation: The range for a keyword (specified in the message as *keyword-name*) was incorrectly specified because the end limit of the range was omitted. An example of this error is CLASS(2:), a correctly specified range would be CLASS(2:4).

Module: CSQ9SCND

System Action: Processing for the command is terminated.

System Programmer Response: See the *MQSeries Command Reference* manual to verify that the command you are using allows a range for the given keyword. Correct the error, and reissue the command.

CSQ9005E KEYWORD *keyword-name* SUBSET (c) INCORRECTLY SPECIFIED

Explanation: The subset for a keyword (specified in the message as *keyword-name*) was incorrectly specified. The character used to denote a subset is an asterisk (*).

For example, consider a group of objects named BLACK, BLUE, GREEN, RED, and WHITE. You can either explicitly specify BLACK and BLUE, or you can specify BL*, meaning all members of the group whose names begin with BL. The character that follows the asterisk must be a blank, comma, close parenthesis, or colon.

Examples of such an error are NAME(BL*CK) and NAME(*LUE).

The correct specification for this example is NAME(BL*).

Module: CSQ9SCND

System Action: Processing for the command is terminated.

System Programmer Response: See the *MQSeries Command Reference* manual to verify that the command you are using allows a subset for the named keyword. Correct the error, and reissue the command.

CSQ9006E KEYWORD *keyword-name* ASTERISK (c) INCORRECTLY USED

Explanation: For the keyword specified in the message (as *keyword-name*), an asterisk (c) was used as the first character of a parameter to specify ALL. However, the asterisk appears in a list, or the characters in juxtaposition are not a blank, comma, equal sign, or parentheses.

An example of this error is DETAIL(1,*); a correctly specified example would be DETAIL(*)

Module: CSQ9SCND

System Action: Processing for the command is terminated.

System Programmer Response: Verify the command entry, and reissue the command. See the *MQSeries Command Reference* manual to verify that the command you are using allows specification of ALL for the given keyword. Correct the error, and reissue the command.

CSQ9007E EITHER KEYWORD 'name1' OR 'name2' MUST BE SPECIFIED

Explanation: The command requires that either keyword *name1* or keyword *name2* be specified, but neither keyword was entered on the command. One of the two keywords must be present in order for the command to be processed.

Module: CSQ9SCND

System Action: Processing for the command is terminated.

System Programmer Response: Reissue the command and include whichever keyword is appropriate. See the *MQSeries Command Reference* manual for descriptions of the two keywords, and for information about the rules for building commands.

CSQ9008E KEYWORD *keyword-name* MAY NOT BE NEGATED

Explanation: The negation characters (NO) appear in front of the keyword (specified in the message as *keyword-name*), but negating this keyword is not allowed. As an example, consider the keyword SHARE which indicates that a queue can be shared. If you did not want the queue to be shared you would specify NOSHARE. This process of prefixing a keyword with the characters NO is called negation. While negation is meaningful on some keywords, it is not allowed on all keywords.

Module: CSQ9SCND

System Action: Processing for the command is terminated.

System Programmer Response: Verify the command entry, and reissue the command. Reenter the command, but do not negate the named keyword. See the *MQSeries Command Reference* manual for further information concerning this command.

CSQ9009E KEYWORD *keyword-name* IS MISSING AND MUST BE SPECIFIED

Explanation: The keyword specified in the message (as *keyword-name*) must be present, but it was not entered. This keyword must be present in order for the command to process properly.

Module: CSQ9SCND

System Action: Processing for the command is terminated.

System Programmer Response: Verify the command entry, and reissue the command including the specified keyword. See the *MQSeries Command Reference* manual for information about the rules for building commands.

CSQ9010E REQUIRED PARAMETER FOR KEYWORD *keyword-name* IS MISSING

Explanation: A parameter must be specified for the keyword specified in the message (as *keyword-name*), but no parameter was entered.

As an example of this error, consider keyword USERDATA that must contain a character string. Entering USERDATA() is meaningless; you must either enter a string (for example, USERDATA(MY_DATA), or if you want to remove this attribute, you must enter USERDATA(' ').

Module: CSQ9SCND

System Action: Processing for the command is terminated.

System Programmer Response: Verify the command entry, supply appropriate parameters for the specified keyword, and reissue the command. See the *MQSeries Command Reference* manual for valid parameter values, and for information about the rules for building commands.

CSQ9011E PARAMETER(S) NOT ALLOWED FOR KEYWORD '*keyword-name*'

Explanation: No parameters can be specified for the keyword specified in the message (as *keyword-name*). You might have misspelled the *keyword-name*, causing it to be interpreted as a different keyword, or the parameter might actually belong with another keyword instead of the one on which you entered it. This message is issued for each invalid parameter, so it can be issued more than once for a command.

Module: CSQ9SCND

System Action: Processing for the command is terminated.

System Programmer Response: Verify the command entry, correct the error, and reissue the command. See the *MQSeries Command Reference* manual for details on how to enter the command.

CSQ9012E KEYWORD *keyword-name* PARAMETER(S) MUST BE HEXADECIMAL

Explanation: Parameter values for the keyword specified in the message (as *keyword-name*) must be hexadecimal values. The value must be specified as X'hex characters'. Hexadecimal characters are defined as the numeric digits 0 through 9 and the letters A through F. Either uppercase or lowercase is acceptable for the letters A through F.

Module: CSQ9SCND

System Action: Processing for the command is terminated.

System Programmer Response: Verify the command entry, and reissue the command, ensuring that the parameters for the named keyword are hexadecimal values.

CSQ9013E KEYWORD *keyword-name* PARAMETER *parameter-value* EXCEEDS ALLOWABLE LENGTH OF *nn*

Explanation: The parameter value (specified in the message as *parameter-value*) exceeds the limit of *nn* characters in length.

As an example of this type of error, consider a PRIORITY keyword that can be in the range 0 through 9. If you specify PRIORITY(006) or PRIORITY(21), the value you have entered exceeds the limit of one character. If *parameter-value* is longer than 16 characters (for example, a name) only the first 16 characters are shown in this message, even if this is less than the value of *nn*.

Module: CSQ9SCND

System Action: Processing for the command is terminated.

System Programmer Response: Verify the command entry. See the *MQSeries Command Reference* manual for a list of acceptable parameters. Correct the error, and reissue the command.

CSQ9014E KEYWORD *keyword-name* LIMIT OF *nn* PARAMETER(S) EXCEEDED

Explanation: Too many parameters have been specified for the keyword that is specified in the message. The generalized command preprocessor does not accept more than the limit (specified in the message as *nn*) of parameters. This error is probably caused by entering too many parameters. It could also be caused by a missing close parenthesis that has not yet been detected.

Module: CSQ9SCND

System Action: Processing for the command is terminated.

System Programmer Response: Verify the command entry, and reissue the command, using no more than the specified limit of parameters for the given keyword. If necessary, issue the command more than once to process all the desired parameter values. See to the *MQSeries Command Reference* manual for further details, and for information about the rules for building commands.

CSQ9015E PARAMETER *parameter-value* IS UNACCEPTABLE FOR KEYWORD *keyword-name*

Explanation: The parameter value specified in the message is not an acceptable value for the named keyword.

As an example, consider the keyword DEFPSIST that can have parameters of YES or NO. Specification of DEFPSIST(YES) or DEFPSIST(NO) is valid. However, specification of DEFPSIST(MAYBE) is unacceptable.

Module: CSQ9SCND

System Action: Processing for the command is terminated.

System Programmer Response: Verify the command entry, and reissue the command. See the *MQSeries Command Reference* manual for a list of acceptable parameters, and for information about the rules for building commands.

CSQ9016E *verb-name* COMMAND REJECTED, UNAUTHORIZED REQUEST

Explanation: The command specified in the message (as *verb-name*) requires that you have proper authorization in order to use the command. You do not have the required authorization. *verb-name* might include the command prefix (CPF). This depends on how the command was entered.

Module: CSQ9SCNP

System Action: The command is not executed. Processing is terminated.

Operator Response: If the command must be executed on behalf of the user and your installation operating procedures permit it, enter the command on request.

System Programmer Response: Contact the system programmer responsible for system security, and request that this person grant you authorization to use the command. Otherwise, you must have someone who is authorized issue the command for you. If necessary, request the system operator to enter the command for you.

CSQ9017E FAILURE WHILE PROCESSING *verb-name* *pkw-name* COMMAND, PROCESSING TERMINATED

Explanation: The MQSeries generalized command preprocessor has abended while processing the command (specified in the message as *verb-name* *pkw-name*). The error is recorded in SYS1.LOGREC, and an SVC dump is requested. The command might have partially completed. Look at any previous response messages to determine what has been done. *verb-name* might include the command prefix (CPF). This depends on how the command was entered.

Module: CSQ9SCNP

System Action: Processing for the command is terminated.

System Programmer Response: Verify the command entry, and reissue the command. If it fails again, collect the items listed in the Problem Determination section, and contact your IBM support center.

Problem Determination: Collect the following diagnostic items:

- A description of the action(s) that led to the abend, or if applicable, a listing of the application program, or the input string a utility program, being run at the time of the abend
- MQSeries job log
- System dump resulting from the abend
- The MQSeries, OS/390, CICS, and IMS service levels

CSQ9018E *csect-name* ENDING *verb-name* PROCESSING DUE TO INSUFFICIENT STORAGE AVAILABLE

Explanation: The generalized command preprocessor was unable to obtain sufficient storage to complete processing of any response messages generated by the invoked command. *verb-name* might include the command prefix (CPF). This depends on how the command was entered.

Module: CSQ9SCN8, CSQ9SCNF

System Action: Processing for the command is terminated abnormally.

Operator Response: Notify the system programmer before attempting to reissue the command.

System Programmer Response: Determine the reason for insufficient storage available to the command. If a cursory examination of the system indicates that the region sizes for MQSeries are sufficient, and the current workload does not seem excessive, then an OS/390 console dump (OS/390 DUMP command) might be required.

Insure that any retry steps defined by the command are performed prior to reissuing the command.

Problem Determination: The invoked command had completed processing and returned to the generalized command preprocessor when an attempt was made to obtain storage from the address space from which the command was entered. Since sufficient storage was unavailable, no response messages from the invoked command are available.

CSQ9019E VERB *verb-name* IS NOT A KNOWN COMMAND

Explanation: The command represented by the verb specified in the message is not known to the system; it is an undefined command. A possible cause for this error is that you made a spelling error while entering the command. *verb-name* might include the command prefix (CPF). This depends on how the command was entered.

Module: CSQ9SCND

System Action: Processing for the command is terminated.

System Programmer Response: Verify the command entry, and reissue the command. See the *MQSeries Command Reference* manual for the correct command format, and for information about the rules for building commands.

CSQ9020E KEYWORDS '*name1*' AND '*name2*' CANNOT BE USED TOGETHER

Explanation: The command requires that either keyword *name1* OR keyword *name2* be specified. It is not valid to specify both keywords at the same time on this command.

Module: CSQ9SCND

System Action: Processing for the command is terminated.

System Programmer Response: Verify the command entry, and reissue the command, omitting the inappropriate keyword. See the *MQSeries Command Reference* manual for descriptions of the two keywords.

CSQ9021E VERB *verb-name* **REQUIRED KEYWORD IS MISSING**

Explanation: The command specified in the message (as *verb-name*) was entered, but at least one required keyword is missing. The generalized command preprocessor was unable to determine which keyword or keywords were missing. *verb-name* might include the command prefix (CPF). This depends on how the command was entered.

Module: CSQ9SCND

System Action: Processing for the command is terminated.

System Programmer Response: Verify the command entry, and reissue the command. See the *MQSeries Command Reference* manual for the proper format of the named command, and for information about the rules for building commands.

CSQ9022I *csect-name verb-name pkw-name* **NORMAL COMPLETION**

Explanation: All synchronous processing for the command specified in the message as *verb-name pkw-name* has completed successfully. Any tasks executing asynchronously on behalf of the specified command might still be executing when this message is displayed. *verb-name* might include the command prefix (CPF). This depends on how the command was entered.

Module: Various.

System Action: Synchronous processing for the specified command is complete.

CSQ9023E *csect-name verb-name [pkw-name]* **ABNORMAL COMPLETION**

Explanation: The command specified in the message (as *verb-name [pkw-name]*) has not completed successfully. The command has issued one or more error messages prior to this message. The name of the CSECT that issued the message is shown at the beginning of the message as a diagnostic aid. *verb-name* might include the command prefix (CPF). This depends on how the command was entered.

Module: Various.

System Action: Processing for the command has ended.

System Programmer Response: Follow the instructions for the other messages associated with the error.

CSQ9024E KEYWORD *keyword-name* **PARAMETER MAY NOT SPECIFY A RANGE OF VALUES**

Explanation: The parameter of the keyword specified in the message specifies a range using the colon operator, (for example, 1:3), but a range of values is not allowed.

As an example, consider a keyword called CLASS. You might enter CLASS(1,2,3) to specify classes 1, 2, and 3, or you might enter CLASS(1:3). However, not all commands allow you to specify a range of values.

Module: CSQ9SCND

System Action: Processing for the command is terminated.

System Programmer Response: Verify the command entry, correct the keyword parameter, and reenter the command.

CSQ9026E KEYWORD *keyword-name* **PARAMETER(S) MUST BE ALPHABETIC**

Explanation: Parameter values for the keyword specified in the message must consist of alphabetic characters only.

Module: CSQ9SCND

System Action: Processing for the command is terminated.

System Programmer Response: Verify the command entry, and reissue the command ensuring that the parameters for the named keyword are of the required type.

CSQ9027E KEYWORD *keyword-name* **PARAMETER(S) MUST BE ALPHANUMERIC**

Explanation: Parameter values for the keyword specified in the message must consist of alphanumeric or national characters only.

Module: CSQ9SCND

System Action: Processing for the command is terminated.

System Programmer Response: Verify the command entry, and reissue the command ensuring that the parameters for the named keyword are of the required type.

CSQ9028E KEYWORD *keyword-name* **PARAMETER(S) MUST BE NUMERIC**

Explanation: Parameter values for the keyword specified in the message must consist of numeric values only.

As an example of this type of error, consider the keyword PRIORITY that specifies a numeric priority. Entering PRIORITY(9) is acceptable, but entering PRIORITY(nine) is not.

Module: CSQ9SCND

System Action: Processing for the command is terminated.

System Programmer Response: Verify the command entry, and reissue the command ensuring that the parameters for the named keyword are of the required type.

CSQ9029E *csect-name* **FAILURE WHILE PROCESSING A COMMAND**

Explanation: An error has been encountered while processing a command. The command might or might not have been executed. The error has been recorded in the system error log (the SYS1.LOGREC data set), and an SVC dump was attempted.

You can get this message if you have insufficient ECSA.

Module: CSQ9SCN6, CSQ9SCN7, CSQ9SCND

System Action: Processing for the command is terminated.

System Programmer Response: Verify the command entry, and reissue the command. If you cannot resolve the problem, collect the items listed in the Problem Determination section, and contact your IBM support center.

Problem Determination: Collect the following diagnostic items:

- A description of the action(s) that led to the abend, or if applicable, a listing of the application program, or the input string a utility program, being run at the time of the abend.
- MQSeries job log
- System dump resulting from the abend
- The MQSeries, OS/390, CICS, and IMS service levels

CSQ9030E KEYWORD *keyword-name* PARAMETER MAY NOT SPECIFY A SUBSET OF VALUES

Explanation: The parameter for the keyword specified in the message identifies a subset using the asterisk operator (for example, ABC*), but a subset is not allowed.

Module: CSQ9SCND

System Action: Processing for the command is terminated.

System Programmer Response: Verify the command entry, correct the keyword parameter, and reenter the command.

CSQ9031E SYNTAX ERROR DETECTED FOLLOWING KEYWORD *keyword-name*

Explanation: The text that follows the named keyword contains invalid syntax.

As an example, consider specification of CLASS==A. The double equal signs do not conform to the rules of syntax and make the keyword meaningless. This is just one example of invalid syntax. It is not practical to try to illustrate every possible error here. You could, however, correctly specify CLASS=A or CLASS(A).

Module: CSQ9SCND

System Action: Processing for the command is terminated.

System Programmer Response: Verify the command entry, examining the text following the named keyword to ensure that no errors were made as the command was entered. Ensure that you have followed the rules for command entry, and reenter the command. See the *MQSeries Command Reference* manual for information about the rules for building commands.

CSQ9032E REQUESTED FUNCTION IS NOT AVAILABLE

Explanation: An attempt was made to invoke a command processor that was not loaded.

Module: CSQ9SCNP

System Action: The requested function is not performed.

System Programmer Response: Verify the command entry, to determine which command caused the error.

CSQ9033E COMMAND EXCEEDS ALLOWABLE LENGTH

Explanation: A command has been entered that is so large that its internal form has exceeded the maximum length allowed. The size of the internal form of the command is affected by both the length, and the complexity of the command. (For example, an attempt has been made to use the operations and controls panels to create a namelist containing too many names.)

This message could also be caused by commands entered through one of the following:

- The initialization input files
- The utility program
- A user-written program that puts commands onto the system-command input queue

Module: CSQ9SCND

Severity: 8

System Action: Processing of the command is terminated.

System Programmer Response: If you are using the operations and controls panels to define a namelist, use the edit facility to reduce the number of names in the list. If you are entering a command from elsewhere, determine which command caused the error, and verify the syntax of that command from the *MQSeries Command Reference* manual. Correct the command.

CSQ9034E COMMAND CANNOT BE ISSUED USING COMMAND SERVER

Explanation: An attempt was made to issue a command using the command server, either from the initialization input data sets or through the SYSTEM.COMMAND.INPUT queue. The command can be issued only from the OS/390 console or its equivalent.

Module: CSQIRECP

Severity: 8

System Action: The command is ignored.

Part 2. Codes

Connection manager codes (X'94')	195	Storage manager codes (X'E2')	273
Batch adapter codes (X'C2')	197	Timer services codes (X'E3')	279
Message generator codes (X'C6')	199	Agent services codes (X'E5')	281
Functional recovery manager codes (X'C7')	201	Instrumentation facilities codes (X'E6')	295
Security manager codes (X'C8')	203	Distributed queuing codes (X'E7')	297
Data manager codes (X'C9')	211	Initialization procedure and general services codes (X'E8')	303
Recovery log manager codes (X'D1')	225	System parameter manager codes (X'E9')	313
Recovery log manager diagnostic information	225	Service facilities codes (X'F1')	315
Lock manager codes (X'D3')	243	MQSeries-IMS bridge codes (X'F2')	317
Message manager codes (X'D4')	247	Subsystem support codes (X'F3')	325
Command server codes (X'D5')	259	Generalized command preprocessor codes (X'F9')	341
Buffer manager codes (X'D7')	263		
Recovery manager codes (X'D9')	265		

Connection manager codes (X'94')

00940001

Explanation: An internal error has occurred.

Module: CSQMCPRH

System Action: The current execution unit terminates with abend code X'5C6', and the subsystem terminates.

System Programmer Response: Collect the items listed in the Problem Determination section, and contact your IBM Support Center.

Restart your MQSeries subsystem.

Problem Determination: Collect the following diagnostic items:

- A description of the action(s) that led to the abend, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the abend
- MQSeries job log
- The system dump resulting from the abend
- CICS transaction dump output (if running with CICS)
- The MQSeries, OS/390, CICS, and IMS service levels
- ISPF panel name (if using the MQSeries operations and controls panels)

00940003

Explanation: An internal error has occurred.

Module: CSQMCCHT

System Action: The current execution unit terminates with abend code X'5C6'.

System Programmer Response: Collect the items listed in the Problem Determination section, and contact your IBM Support Center.

Problem Determination: Collect the following diagnostic items:

- A description of the action(s) that led to the abend, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the abend
- MQSeries job log
- The system dump resulting from the abend
- CICS transaction dump output (if running with CICS)
- The MQSeries, OS/390, CICS, and IMS service levels
- ISPF panel name (if using the MQSeries operations and controls panels)

00940004

Explanation: An internal error has occurred.

Module: CSQMCNTH

System Action: The current execution unit terminates with abend code X'5C6'.

System Programmer Response: Collect the items listed in the Problem Determination section, and contact your IBM Support Center.

Problem Determination:

Collect the following diagnostic items:

- A description of the action(s) that led to the abend, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the abend
- MQSeries job log
- The system dump resulting from the abend
- CICS transaction dump output (if running with CICS)
- The MQSeries, OS/390, CICS, and IMS service levels
- ISPF panel name (if using the MQSeries operations and controls panels)

00940007

Explanation: An internal error has occurred.

Module: CSQMCLRT

System Action: The current execution unit terminates with abend code X'5C6'.

System Programmer Response: Collect the items listed in the Problem Determination section, and contact your IBM Support Center.

Problem Determination: Collect the following diagnostic items:

- A description of the action(s) that led to the abend, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the abend
- MQSeries job log
- The system dump resulting from the abend
- CICS transaction dump output (if running with CICS)
- The MQSeries, OS/390, CICS, and IMS service levels
- ISPF panel name (if using the MQSeries operations and controls panels)

00940008

Explanation: An internal error has occurred.

Module: CSQMCNTH

System Action: The current execution unit terminates with abend code X'5C6', and the subsystem terminates.

System Programmer Response: Collect the items listed in the Problem Determination section, and contact your IBM Support Center.

Restart your MQSeries subsystem.

Problem Determination: Collect the following diagnostic items:

- A description of the action(s) that led to the abend, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the abend
- MQSeries job log
- The system dump resulting from the abend
- CICS transaction dump output (if running with CICS)
- The MQSeries, OS/390, CICS, and IMS service levels
- ISPF panel name (if using the MQSeries operations and controls panels)

Batch adapter codes (X'C2')

00C20001

Explanation: The CSQBSRV program has detected a request for a non-existent command. CSQBSRV is invoked from batch applications via CSQBSTUB.

Module: CSQBSRV

System Action: The application program abends, but MQSeries continues processing.

System Programmer Response: Verify that the versions of CSQBSRV and CSQBSTUB are compatible.

Problem Determination: The most likely cause of this problem is incompatible versions of CSQBSRV and CSQBSTUB. If this is not

the cause of the problem, obtain the diagnostic items listed below, and contact your IBM support center.

- Symptom string
- Printout of SYS1.LOGREC
- Application program listing
- MQSeries job log
- PSW and registers at point of failure; a code that represents the unrecognized command is contained in general purpose register 2
- Failing module and PTF level of CSECT
- SMP/E CSI report MQSeries modules from installation

Message generator codes (X'C6')

00C60004

Explanation: MQSeries was unable to load the message table (CSQFMTAB).

Module: CSQFMGIN

System Action: MQSeries terminates.

System Programmer Response: Ensure that the message table is in the required library (SCSQANLx, where x is your national language letter), and that it is referenced correctly, and restart MQSeries.

00C60005

Explanation: MQSeries was unable to load the early message table (CSQFELM).

Module: CSQFMGSS

System Action: MQSeries terminates.

System Programmer Response: Ensure that the message table is in the required library (SCSQANLx, where x is your national language letter), and that it is referenced correctly, and restart MQSeries.

00C60006

Explanation: The MQSeries utility program was unable to load its message table (CSQUMTXT).

Module: CSQUCVX, CSQUTIL

System Action: The utility program abends.

System Programmer Response: Check the console for messages indicating why CSQUMTXT was not loaded. Ensure that the message table is in the required library (SCSQANLx, where x is your national language letter), and that it is referenced correctly, and resubmit the job.

The utility program attempts to load this module from the library data sets under the STEPLIB DD statement of the utility address space.

00C60007

Explanation: The MQSeries CICS adapter was unable to load its message table (CSQCSTXT).

Module: CSQCSESV

System Action: The MQSeries CICS adapter server TCB terminates.

System Programmer Response: Check the console for messages indicating why CSQCSTXT was not loaded. Ensure that the message table is in the required library (SCSQANLx or SCSQSNLx, where x is your national language letter), and that it is referenced correctly.

CSQCSESV attempts to load this module from the library data sets under the STEPLIB DD statement of the CICS address space.

00C60008

Explanation: The MQSeries utility program was unable to load its message table (CSQJUMT0).

Module: CSQJU001

System Action: The utility program abends.

System Programmer Response: Check the console for messages indicating why CSQJUMT0 was not loaded. Ensure that the message table is in the required library (SCSQANLx, where x is your national language letter), and that it is referenced correctly, and resubmit the job.

CSQJU001 attempts to load this module from the library data sets under the STEPLIB DD statement of the utility address space.

00C60009

Explanation: The MQSeries utility program was unable to load its message table (CSQ1LMT0).

Module: CSQ1LOGP

System Action: The utility program abends.

System Programmer Response: Check the console for messages indicating why CSQ1LMT0 was not loaded. Ensure that the message table is in the required library (SCSQANLx, where x is your national language letter), and that it is referenced correctly, and resubmit the job.

CSQ1LOGP attempts to load this module from the library data sets under the STEPLIB DD statement of the utility address space.

00C6000A

Explanation: The MQSeries early initialization was unable to load its message table (CSQ3ECMX).

Module: CSQ3EC0X, CSQ3EC00, CSQ3RS0X, CSQ3RS00, CSQ3UR00

System Action: MQSeries terminates.

System Programmer Response: Ensure that the message table is in the required library (SCSQSNLx, where x is your national language letter), and that it is referenced correctly, and re-ipl OS/390.

00C6000B

Explanation: The distributed queueing component was unable to load its message table (CSQXMTXT).

Module: CSQXJST

System Action: The channel initiator ends.

System Programmer Response: Ensure that the message table is in the required library (SCSQANLx, where x is your national language letter), and that it is referenced correctly, and restart the channel initiator.

00C6000C

Explanation: The IMS trigger monitor was unable to load its message table (CSQQMTXT).

Module: CSQQTRMN

System Action: The trigger monitor ends.

System Programmer Response: Ensure that the message table is in the required library (SCSQANLx, where x is your national language letter), and that it is referenced correctly, and restart the trigger monitor.

Functional recovery manager codes (X'C7')

00C70010

Explanation: While trying to recover from an error, an internal consistency check indicated a storage overlay, or an internal error.

Module: CSQGEXIT

System Action: Control is percolated to the OS/390 recovery termination manager, and a dump is requested.

System Programmer Response: Retain the dump, and contact your IBM support center for assistance.

00C70020

Explanation: A critical procedure recovery routine has ended abnormally, causing a secondary abend.

Module: CSQFRCV

System Action: Control is percolated to the OS/390 recovery termination manager, and in some cases MQSeries terminates abnormally. A dump is produced for both the primary and secondary errors.

Problem Determination: Retain both dumps, and contact your IBM support center for assistance.

00C70030

Explanation: A request to OS/390 to establish an ESTAE produced a non-zero return code.

Module: CSQGSFRR

System Action: A dump is requested.

Problem Determination: The return code from OS/390 is captured in register 14. See the *MVS Assembler Services Reference* manual for an explanation of the return code.

00C70040

Explanation: This abend reason code was caused by an internal MQSeries error.

Module: CSQGRTRY

System Action: Control is percolated to the OS/390 recovery termination manager, and a dump is requested.

Problem Determination: Retain the dump, and contact your IBM support center for assistance.

Security manager codes (X'C8')

00C80001

Explanation: An attempt to obtain storage for the security manager was unsuccessful.

Note: This could indicate a system wide storage problem.

Module: CSQHSTRT

System Action: The MQSeries subsystem is terminated, and a dump is produced. Register 2 contains the return code from the storage failure.

System Programmer Response: Check that you are running with the recommended region size, and if not, reset your system and retry the MQSeries initialization procedure. If this is not the cause of the problem, use the items listed in the Problem Determination section to diagnose the cause of the problem.

Problem Determination: Collect the following diagnostic items:

- MQSeries job log
- Information about any other storage related problems
- System dump resulting from the abend

00C80002

Explanation: An attempt to obtain storage for the security manager was unsuccessful.

Note: This could indicate a system wide storage problem.

Module: CSQHSTRT

System Action: The MQSeries subsystem is terminated, and a dump is produced. Register 2 contains the return code from the storage failure.

System Programmer Response: Check that you are running with the recommended region size, and if not, reset your system and retry the MQSeries initialization procedure. If this is not the cause of the problem, use the items listed in the Problem Determination section to diagnose the cause of the problem.

Problem Determination: Collect the following diagnostic items:

- MQSeries job log
- Information about any other storage related problems
- System dump resulting from the abend

00C80003

Explanation: An attempt to obtain a storage subpool for the security manager was unsuccessful.

Note: This could indicate a system wide storage problem.

Module: CSQHSTRT

System Action: The MQSeries subsystem is terminated, and a dump is produced. Register 2 contains the return code from the storage failure.

System Programmer Response: Check that you are running with the recommended region size, and if not, reset your system and retry the MQSeries initialization procedure. If this is not the cause of the problem, use the items listed in the Problem Determination section to diagnose the cause of the problem.

Problem Determination: Collect the following diagnostic items:

- MQSeries job log
- Information about any other storage related problems
- System dump resulting from the abend

00C80004

Explanation: An internal error has occurred.

Module: CSQHSTRT

System Action: The MQSeries subsystem is terminated, and a dump is produced.

System Programmer Response: Collect the items listed in the Problem Determination section, and contact your IBM support center.

Problem Determination: Collect the following diagnostic items:

- MQSeries job log
- System dump resulting from the abend
- The contents of register 2

00C8000A

Explanation: A severe error has occurred during a SAF RACROUTE REQUEST=STAT call to the external security manager (ESM) during security switch processing at subsystem initialization time.

Module: CSQHINIT

System Action: The MQSeries subsystem is terminated, and a dump is produced. Register 2 contains the address of the class being checked at the time of the error.

System Programmer Response: See your ESM documentation for information about any return codes that appear in the job log. Check your security configuration (for example, that the required classes are installed and active). If you are unable to resolve the problem, contact your IBM support center.

Problem Determination: Collect the following diagnostic items:

- MQSeries job log
- System dump resulting from the abend

00C8000B

Explanation: A severe error has occurred during a SAF RACROUTE REQUEST=EXTRACT call to the external security manager (ESM) during security switch processing at subsystem initialization time.

Module: CSQHINIT

System Action: The MQSeries subsystem is terminated, and a dump is produced. Register 2 contains the address of the entity being checked at the time of the error.

System Programmer Response: See your ESM documentation for information about any return codes that appear in the job log. See the *MQSeries for OS/390 System Management Guide* for information about setting MQSeries security switches. If you are unable to resolve the problem, contact your IBM support center.

Problem Determination: Collect the following diagnostic items:

- MQSeries job log
- System dump resulting from the abend

00C8000C

Explanation: A severe error has occurred during a SAF RACROUTE REQUEST=LIST (create) call to the external security manager (ESM) during security switch processing at subsystem initialization time.

Module: CSQHINIT

System Action: The MQSeries subsystem is terminated, and a dump is produced. Register 2 contains the address of the class, and register 3 the address of the entity, being checked at the time of the error.

System Programmer Response: See your ESM documentation for information about any return codes that appear in the job log. If you are unable to resolve the problem, contact your IBM support center.

Problem Determination: Collect the following diagnostic items:

- MQSeries job log
- System dump resulting from the abend

00C8000D

Explanation: An unexpected return code has been received from one of the following SAF calls to the external security manager (ESM) during security switch processing at subsystem initialization time.

- RACROUTE REQUEST=EXTRACT
- RACROUTE REQUEST=LIST
- RACROUTE REQUEST=STAT

Module: CSQHINIT

System Action: Message CSQH004I is produced containing the return codes from SAF and the ESM. The MQSeries subsystem is terminated, and a dump is produced. Register 2 contains the address of the return codes.

System Programmer Response: See your ESM documentation for information about the return codes that appear in message CSQH004I (in the job log) or the dump. See the *MQSeries for OS/390 System Management Guide* for information about setting MQSeries security switches. If you are unable to resolve the problem, contact your IBM support center.

Problem Determination: Collect the following diagnostic items:

- MQSeries job log
- System dump resulting from the abend

00C8000E

Explanation: An unexpected setting for the subsystem security switch was encountered.

Module: CSQHINIT

System Action: The MQSeries subsystem is terminated, and a dump is produced. Register 2 contains the address of the control block containing the switch setting.

System Programmer Response: Collect the items listed in the Problem Determination section, and contact your IBM support center.

Problem Determination: Collect the following diagnostic items:

- MQSeries job log
- System dump resulting from the abend
- A note of what you expected the switch to be set to, and whether you had defined a profile for it or not

00C8000F

Explanation: An internal error has occurred.

Module: CSQHINIT

System Action: The MQSeries subsystem is terminated, and a dump is produced. Register 2 contains the address of the class involved at the time of the error.

System Programmer Response: Collect the items listed in the Problem Determination section, and contact your IBM support center.

Problem Determination: Collect the following diagnostic items:

- MQSeries job log
- System dump resulting from the abend

00C80010

Explanation: An attempt to obtain storage for the security manager was unsuccessful.

Note: This could indicate a system wide storage problem.

Module: CSQHCUAN

System Action: The current execution unit terminates with an abend code of X'5C6', and a dump is produced. Register 2 contains the return code from the storage failure.

System Programmer Response: Check that you are running with the recommended region size, and if not, reset your system and retry the MQSeries initialization procedure. If this is not the cause of the problem, use the items listed in the Problem Determination section to diagnose the cause of the problem. If you are unable to resolve the problem, contact your IBM support center.

Problem Determination: Collect the following diagnostic items:

- A description of the action(s) that led to the abend, or if applicable, a listing of the application program, or input string to the utility program, being run at the time of the abend
- MQSeries job log
- Information about any other storage related problems
- System dump resulting from the abend
- The internal trace entries from the dump which give the return codes from the unsuccessful storage call
- CICS transaction dump (if running with CICS)
- The MQSeries, OS/390, CICS, and IMS service levels

00C80011

Explanation: An attempt to obtain a storage subpool for the security manager was unsuccessful.

Note: This could indicate a system wide storage problem.

Module: CSQHCUAN

System Action: The current execution unit terminates with an abend code of X'5C6', and a dump is produced. Register 2 contains the return code from the storage failure.

System Programmer Response: Check that you are running with the recommended region size, and if not, reset your system and retry the MQSeries initialization procedure. If this is not the cause of the problem, use the items listed in the Problem Determination section to diagnose the cause of the problem. If you are unable to resolve the problem, contact your IBM support center.

Problem Determination: Collect the following diagnostic items:

- A description of the action(s) that led to the abend, or if applicable, a listing of the application program, or input string to the utility program, being run at the time of the abend
- MQSeries job log
- Information about any other storage related problems

- System dump resulting from the abend
- The internal trace entries from the dump which give the return codes from the unsuccessful storage call
- CICS transaction dump (if running with CICS)
- The MQSeries, OS/390, CICS, and IMS service levels

00C80012

Explanation: An attempt to obtain storage for the security manager was unsuccessful.

Note: This could indicate a system wide storage problem.

Module: CSQHCUAN

System Action: The current execution unit terminates with an abend code of X'5C6', and a dump is produced. Register 2 contains the return code from the storage failure.

System Programmer Response: Check that you are running with the recommended region size, and if not, reset your system and retry the MQSeries initialization procedure. If this is not the cause of the problem, use the items listed in the Problem Determination section to diagnose the cause of the problem. If you are unable to resolve the problem, contact your IBM support center.

Problem Determination: Collect the following diagnostic items:

- A description of the action(s) that led to the abend, or if applicable, a listing of the application program, or input string to the utility program, being run at the time of the abend
- MQSeries job log
- Information about any other storage related problems
- System dump resulting from the abend
- The internal trace entries from the dump which give the return codes from the unsuccessful storage call
- CICS transaction dump (if running with CICS)
- The MQSeries, OS/390, CICS, and IMS service levels

00C80013

Explanation: An internal error has occurred while processing a security request.

Module: CSQHCRFM

System Action: The current execution unit terminates with an abend code of X'5C6', and a dump is produced.

System Programmer Response: Collect the items listed in the Problem Determination section, and contact your IBM support center.

Problem Determination: Collect the following diagnostic items:

- A description of the action(s) that led to the abend, or if applicable, a listing of the application program, or input string to the utility program, being run at the time of the abend
- MQSeries job log
- System dump resulting from the abend
- CICS transaction dump (if running with CICS)
- The MQSeries, OS/390, CICS, and IMS service levels

00C80020

Explanation: An attempt to obtain storage for the security manager was unsuccessful.

Note: This could indicate a system wide storage problem.

Module: CSQHCHK2

System Action: The current execution unit terminates with an abend code of X'5C6', and a dump is produced. Register 2 contains the return code from the storage failure.

System Programmer Response: Check that you are running with the recommended region size, and if not, reset your system and retry the MQSeries initialization procedure. If this is not the cause of the problem, use the items listed in the Problem Determination section to diagnose the cause of the problem. If you are unable to resolve the problem, contact your IBM support center.

Problem Determination: Collect the following diagnostic items:

- A description of the action(s) that led to the abend, or if applicable, a listing of the application program, or input string to the utility program, being run at the time of the abend
- MQSeries job log
- Information about any other storage related problems
- System dump resulting from the abend
- The internal trace entries from the dump which give the return codes from the unsuccessful storage call
- CICS transaction dump (if running with CICS)
- The MQSeries, OS/390, CICS, and IMS service levels

00C80024

Explanation: An internal error has occurred while processing a command.

Module: CSQHTCPR

System Action: The current execution unit terminates with an abend code of X'5C6', and a dump is produced.

System Programmer Response: Collect the items listed in the Problem Determination section, and contact your IBM support center.

Problem Determination: Collect the following diagnostic items:

- A description of the action(s) that led to the abend, or if applicable, a listing of the application program, or input string to the utility program, being run at the time of the abend
- The security command issued prior to the abend
- MQSeries job log
- System dump resulting from the abend
- CICS transaction dump (if running with CICS)
- The MQSeries, OS/390, CICS, and IMS service levels

00C80025

Explanation: An internal error has occurred while processing a command.

Module: CSQHTCPR

System Action: The current execution unit terminates with an abend code of X'5C6', and a dump is produced.

System Programmer Response: Collect the items listed in the Problem Determination section, and contact your IBM support center.

Problem Determination: Collect the following diagnostic items:

- A description of the action(s) that led to the abend, or if applicable, a listing of the application program, or input string to the utility program, being run at the time of the abend
- The security command issued prior to the abend
- MQSeries job log
- System dump resulting from the abend
- CICS transaction dump (if running with CICS)
- The MQSeries, OS/390, CICS, and IMS service levels

00C80026

Explanation: An internal error has occurred while processing a command.

Module: CSQHTCPR

System Action: The current execution unit terminates with an abend code of X'5C6', and a dump is produced.

System Programmer Response: Collect the items listed in the Problem Determination section, and contact your IBM support center.

Problem Determination: Collect the following diagnostic items:

- A description of the action(s) that led to the abend, or if applicable, a listing of the application program, or input string to the utility program, being run at the time of the abend
- The security command issued prior to the abend
- MQSeries job log
- System dump resulting from the abend
- CICS transaction dump (if running with CICS)
- The MQSeries, OS/390, CICS, and IMS service levels

00C80027

Explanation: An unrecognized keyword was encountered whilst processing an MQSeries REFRESH SECURITY command.

Module: CSQHSREF

System Action: The current execution unit terminates with an abend code of X'5C6', and a dump is produced. Register 2 contains the address of the keyword causing the problem.

System Programmer Response: Collect the items listed in the Problem Determination section, and contact your IBM support center.

Problem Determination: Collect the following diagnostic items:

- A description of the action(s) that led to the abend, or if applicable, a listing of the application program, or input string to the utility program, being run at the time of the abend
- MQSeries job log
- System dump resulting from the abend
- CICS transaction dump (if running with CICS)
- The MQSeries, OS/390, CICS, and IMS service levels

00C80028

Explanation: An attempt to obtain a storage subpool for the security manager was unsuccessful. This might have occurred during the processing of an ALTER SECURITY command, a REFRESH SECURITY command, or during the automatic security timeout processing.

Note: This could indicate a system wide storage problem.

Module: CSQHCHK3 CSQHCHK4

System Action: The current execution unit terminates with an abend code of X'5C6', and a dump is produced. Register 2 contains the return code from the storage failure.

System Programmer Response: Use the items listed in the Problem Determination section to diagnose the cause of the problem. If you are unable to resolve the problem, contact your IBM support center.

Problem Determination: Collect the following diagnostic items:

- A description of the action(s) that led to the abend, or if applicable, a listing of the application program, or input string to the utility program, being run at the time of the abend

- MQSeries job log
- The MQSeries security command entered prior to the abend (if any)
- Information about any other storage related problems
- System dump resulting from the abend
- The internal trace entries from the dump which give the return codes from the unsuccessful storage call
- CICS transaction dump (if running with CICS)
- The MQSeries, OS/390, CICS, and IMS service levels

00C80029

Explanation: A severe error has occurred during a SAF RACROUTE REQUEST=STAT call to the external security manager (ESM) during security switch processing for a REFRESH SECURITY command.

Module: CSQHCHK4

System Action: The current execution unit terminates with an abend code of X'5C6', and a dump is produced. Register 2 contains the address of the class being checked at the time of the error.

System Programmer Response: See your ESM documentation for information about any return codes that appear in the job log. Check your security configuration (for example, that the required classes are installed and active). If you are unable to resolve the problem, contact your IBM support center.

Problem Determination: Collect the following diagnostic items:

- A description of the action(s) that led to the abend, or if applicable, a listing of the application program, or input string to the utility program, being run at the time of the abend
- MQSeries job log
- System dump resulting from the abend
- CICS transaction dump (if running with CICS)
- The MQSeries, OS/390, CICS, and IMS service levels

00C80031

Explanation: A severe error has occurred during a SAF RACROUTE REQUEST=LIST (create) call to the external security manager (ESM) during the processing for a REFRESH SECURITY command.

Module: CSQHCHK4

System Action: The current execution unit terminates with an abend code of X'5C6', and a dump is produced. Register 2 contains the address of the class, and register 3 the address of the entity, being checked at the time of the error.

System Programmer Response: See your ESM documentation for information about any return codes that appear in the job log. Check your security configuration (for example, that the required classes are installed and active). If you are unable to resolve the problem, contact your IBM support center.

Problem Determination: Collect the following diagnostic items:

- A description of the action(s) that led to the abend, or if applicable, a listing of the application program, or input string to the utility program, being run at the time of the abend
- MQSeries job log
- System dump resulting from the abend
- CICS transaction dump (if running with CICS)
- The MQSeries, OS/390, CICS, and IMS service levels

00C80032

Explanation: An unexpected return code has been received from one of the following SAF calls to the external security manager (ESM) during the processing of a REFRESH SECURITY command.

- RACROUTE REQUEST=LIST (create)
- RACROUTE REQUEST=LIST (delete)
- RACROUTE REQUEST=STAT

Module: CSQHCHK4

System Action: The current execution unit terminates with an abend code of X'5C6', and a dump is produced. Register 2 contains the address of the return codes from SAF, and the ESM.

Note: If the error occurred on a STAT call, the abend is preceded by a CSQH004I message containing the return codes from SAF, and the ESM.

System Programmer Response: See your ESM documentation for information about the return codes from SAF and the ESM. See the *MQSeries for OS/390 System Management Guide* for information about setting MQSeries security switches. If you are unable to resolve the problem, contact your IBM support center.

Problem Determination: Collect the following diagnostic items:

- A description of the action(s) that led to the abend, or if applicable, a listing of the application program, or input string to the utility program, being run at the time of the abend
- MQSeries job log
- System dump resulting from the abend
- CICS transaction dump (if running with CICS)
- The MQSeries, OS/390, CICS, and IMS service levels

00C80033

Explanation: An unexpected setting for the subsystem security switch was encountered during the processing of a REFRESH SECURITY command.

Module: CSQHREFA

System Action: The current execution unit terminates with an abend code of X'5C6', and a dump is produced.

System Programmer Response: Collect the items listed in the Problem Determination section, and contact your IBM support center.

Problem Determination: Collect the following diagnostic items:

- A description of the action(s) that led to the abend, or if applicable, a listing of the application program, or input string to the utility program, being run at the time of the abend
- MQSeries job log
- A note of what you expected the switch to be set to, and whether you had defined a profile for it or not.
- System dump resulting from the abend
- CICS transaction dump (if running with CICS)
- The MQSeries, OS/390, CICS, and IMS service levels
- The contents of register 2

00C80034

Explanation: An internal error has occurred.

Module: CSQHREFA

System Action: The current execution unit terminates with an abend code of X'5C6', and a dump is produced. Register 2 contains the address of the class invoked at the time of the check.

System Programmer Response: Collect the items listed in the Problem Determination section, and contact your IBM support center.

Problem Determination: Collect the following diagnostic items:

- A description of the action(s) that led to the abend, or if applicable, a listing of the application program, or input string to the utility program, being run at the time of the abend
- MQSeries job log
- System dump resulting from the abend
- CICS transaction dump (if running with CICS)
- The MQSeries, OS/390, CICS, and IMS service levels

00C80035

Explanation: A severe error has occurred during a SAF RACROUTE REQUEST=STAT call to the external security manager (ESM) during security switch processing for a REFRESH SECURITY command.

Module: CSQHREFA

System Action: The current execution unit terminates with an abend code of X'5C6', and a dump is produced. Register 2 contains the address of the class being checked at the time of the error.

System Programmer Response: See your ESM documentation for information about any return codes that appear in the job log. Check your security configuration (for example, that the required classes are installed and active). If you are unable to resolve the problem, contact your IBM support center.

Problem Determination: Collect the following diagnostic items:

- A description of the action(s) that led to the abend, or if applicable, a listing of the application program, or input string to the utility program, being run at the time of the abend
- MQSeries job log
- System dump resulting from the abend
- CICS transaction dump (if running with CICS)
- The MQSeries, OS/390, CICS, and IMS service levels

00C80036

Explanation: A severe error has occurred during a SAF RACROUTE REQUEST=EXTRACT call to the external security manager (ESM) during security switch processing for a REFRESH SECURITY command.

Module: CSQHREFA

System Action: The current execution unit terminates with an abend code of X'5C6', and a dump is produced. Register 2 contains the address of the entity being checked at the time of the error.

System Programmer Response: See your ESM documentation for information about any return codes that appear in the job log. See the *MQSeries for OS/390 System Management Guide* for information about setting MQSeries security switches. If you are unable to resolve the problem, contact your IBM support center.

Problem Determination: Collect the following diagnostic items:

- A description of the action(s) that led to the abend, or if applicable, a listing of the application program, or input string to the utility program, being run at the time of the abend
- MQSeries job log
- System dump resulting from the abend
- CICS transaction dump (if running with CICS)
- The MQSeries, OS/390, CICS, and IMS service levels

00C80037

Explanation: A severe error has occurred during a SAF RACROUTE REQUEST=LIST (create) call to the external security manager (ESM) during the processing for a REFRESH SECURITY command.

Module: CSQHREFA

System Action: The current execution unit terminates with an abend code of X'5C6', and a dump is produced. Register 2 contains the address of the class, and register 3 the address of the entity, being checked at the time of the error.

System Programmer Response: See your ESM documentation for information about any return codes that appear in the job log. If you are unable to resolve the problem, contact your IBM support center.

Problem Determination: Collect the following diagnostic items:

- A description of the action(s) that led to the abend, or if applicable, a listing of the application program, or input string to the utility program, being run at the time of the abend
- MQSeries job log
- System dump resulting from the abend
- CICS transaction dump (if running with CICS)
- The MQSeries, OS/390, CICS, and IMS service levels

00C80038

Explanation: An unexpected return code has been received from one of the following SAF calls to the external security manager (ESM) during the processing of a REFRESH SECURITY command.

- RACROUTE REQUEST=LIST (create)
- RACROUTE REQUEST=LIST (delete)
- RACROUTE REQUEST=EXTRACT
- RACROUTE REQUEST=STAT

Module: CSQHREFA

System Action: The current execution unit terminates with an abend code of X'5C6', and a dump is produced. Register 2 contains the address of the return codes from SAF, and the ESM.

Note: If the error occurred on a STAT call, the abend is preceded by a CSQH004I message containing the return codes from SAF, and the ESM.

System Programmer Response: See your ESM documentation for information about the return codes from SAF and the ESM. See the *MQSeries for OS/390 System Management Guide* for information about setting MQSeries security switches. If you are unable to resolve the problem, contact your IBM support center.

Problem Determination: Collect the following diagnostic items:

- A description of the action(s) that led to the abend, or if applicable, a listing of the application program, or input string to the utility program, being run at the time of the abend
- MQSeries job log
- System dump resulting from the abend
- CICS transaction dump (if running with CICS)
- The MQSeries, OS/390, CICS, and IMS service levels

00C80039

Explanation: An attempt to obtain a storage subpool for a security manager user entry block was unsuccessful. This could have occurred during either security timeout processing, or REFRESH SECURITY command processing.

Note: This could indicate a system wide storage problem.

Module: CSQHCHK3, CSQHCHK4

System Action: The current execution unit terminates with an

abend code of X'5C6', and a dump is produced. Register 2 contains the return code from the storage failure.

System Programmer Response: Use the items listed in the Problem Determination section to diagnose the cause of the problem. If you are unable to resolve the problem, contact your IBM support center.

Problem Determination: Collect the following diagnostic items:

- A description of the action(s) that led to the abend, or if applicable, a listing of the application program, or input string to the utility program, being run at the time of the abend
- MQSeries job log
- The MQSeries security command entered prior to the problem
- Information about any other storage related problems
- System dump resulting from the abend
- The internal trace entries from the dump which give the return codes from the unsuccessful GETMAIN call
- CICS transaction dump (if running with CICS)
- The MQSeries, OS/390, CICS, and IMS service levels

00C80040

Explanation: A severe error has occurred during security timeout processing. An unexpected return code has been received from the MQSeries timer component.

Note: This could indicate a system wide problem with the timer component, or the system timer.

Module: CSQHTPOP

System Action: Messages CSQH009I and CSQH010I are issued. The current execution unit terminates with an abend code of X'5C6', and a dump is produced. Register 2 contains the return code from the timer component that caused the problem.

System Programmer Response: Use the items listed in the Problem Determination section to diagnose the cause of the problem. If you are unable to resolve the problem, contact your IBM support center.

Problem Determination: Collect the following diagnostic items:

- A description of the action(s) that led to the abend, or if applicable, a listing of the application program, or input string to the utility program, being run at the time of the abend
- MQSeries job log
- The MQSeries security command entered prior to the problem (if any)
- Information about any other timer related problems
- System dump resulting from the abend
- The internal trace entries from the dump which give the return codes from the timer component
- CICS transaction dump (if running with CICS)
- The MQSeries, OS/390, CICS, and IMS service levels

00C80041

Explanation: A severe error has occurred during security timeout processing for an ALTER SECURITY command. An unexpected return code has been received from the MQSeries timer component.

Note: This could indicate a system wide problem with the timer component, or the system timer.

Module: CSQHPTAC

System Action: Message CSQH010I is issued. The current execution unit terminates with an abend code of X'5C6' and a dump is produced. Register 2 contains the return code from the timer component that caused the problem.

System Programmer Response: Use the items listed in the Problem Determination section to diagnose the cause of the

problem. If you are unable to resolve the problem, contact your IBM support center.

Problem Determination: Collect the following diagnostic items:

- A description of the action(s) that led to the abend, or if applicable, a listing of the application program, or input string to the utility program, being run at the time of the abend
- MQSeries job log
- The MQSeries security command entered prior to the problem
- Information about any other timer related problems
- System dump resulting from the abend
- The internal trace entries from the dump which give the return codes from the timer component
- CICS transaction dump (if running with CICS)
- The MQSeries, OS/390, CICS, and IMS service levels

00C80042

Explanation: A severe error has occurred during security initialization when trying to start the security timer. An unexpected return code has been received from the MQSeries timer component.

Note: This could indicate a system wide problem with the timer component, or the system timer.

Module: CSQHSTRT

System Action: Message CSQH010I is issued. The subsystem terminates and a dump is produced. Register 2 contains the return code from the timer component that caused the problem.

System Programmer Response: Use the items listed in the Problem Determination section to diagnose the cause of the problem. If you are unable to resolve the problem, contact your IBM support center.

Problem Determination: Collect the following diagnostic items:

- MQSeries job log
- System dump resulting from the abend
- Information about any other timer related problems
- The internal trace entries from the dump which give the return codes from the timer component
- CICS transaction dump (if running with CICS)
- The MQSeries, OS/390, CICS, and IMS service levels

00C80043

Explanation: A severe error has occurred whilst processing an MQSeries DISPLAY SECURITY command. A parameter has been entered on the SECURITY keyword, but this is invalid.

Module: CSQHPTDC

System Action: The current execution unit terminates with an abend code of X'5C6', and a dump is produced.

System Programmer Response: Collect the items listed in the Problem Determination section, and contact your IBM support center.

Problem Determination: Collect the following diagnostic items:

- A description of the action(s) that led to the abend, or if applicable, a listing of the application program, or input string to the utility program, being run at the time of the abend
- MQSeries job log
- System dump resulting from the abend
- The MQSeries security command issued prior to the abend
- CICS transaction dump (if running with CICS)
- The MQSeries, OS/390, CICS, and IMS service levels

00C80044

Explanation: A severe error has occurred whilst processing an MQSeries ALTER SECURITY command. A parameter has been entered on the SECURITY keyword, but this is invalid.

Module: CSQHPATC

System Action: The current execution unit terminates with an abend code of X'5C6', and a dump is produced.

System Programmer Response: Collect the items listed in the Problem Determination section, and contact your IBM support center.

Problem Determination: Collect the following diagnostic items:

- A description of the action(s) that led to the abend, or if applicable, a listing of the application program, or input string to the utility program, being run at the time of the abend
- MQSeries job log
- System dump resulting from the abend
- The MQSeries security command issued prior to the abend
- CICS transaction dump (if running with CICS)
- The MQSeries, OS/390, CICS, and IMS service levels

00C80045

Explanation: A severe error has occurred because the last security refresh did not complete successfully.

Module: CSQHCHK2, CSQHCHK3

System Action: The current execution unit terminates with abend reason code X'5C6', and a dump is produced.

System Programmer Response: If you are able to fix the cause of the problem, you must refresh the security again before you can continue. If you are unable to solve the problem, collect the items listed in the Problem Determination section, and contact your IBM support center.

Problem Determination: Collect the following diagnostic items:

- A description of the action(s) that led to the abend, or if applicable, a listing of the application program, or input string to the utility program, being run at the time of the abend
- MQSeries job log
- System dump resulting from the abend
- The MQSeries security command entered prior to the abend
- CICS transaction dump (if running with CICS)
- The MQSeries, OS/390, CICS, and IMS service levels

00C80046

Explanation: An attempt to obtain a storage subpool for the security manager Utoken blocks was unsuccessful.

This indicates that there could be a wider ranging problem relating to storage availability.

Module: CSQHSTRT

System Action: The MQSeries subsystem is terminated and a dump is produced.

System Programmer Response: The items listed in the problem determination section might help you diagnose the problem.

Problem Determination: Collect the following diagnostic items:

- MQSeries job log
- Note any other storage related problems occurring.
- System dump resulting from the abend.
- The internal trace entries in the dump should give return codes from the attempted storage GETMAIN.

00C80047

Explanation: An attempt to obtain a storage block for a security manager Utoken block was unsuccessful.

This indicates that there could be a wider ranging problem relating to storage availability.

Module: CSQHCHK5

System Action: The current execution unit terminates with X'5C6' and a dump is produced.

System Programmer Response: The items listed in the problem determination section might help you diagnose the problem.

Contact your IBM support center if you need help.

Problem Determination: Collect the following diagnostic items:

- A description of the action(s) that led to the abend, or if applicable, a listing of the application program, or input string to a utility program, being run at the time of the abend.
- MQSeries job log
- Note any other storage related problems that occur.
- System dump resulting from the abend.
- The internal trace table should show you the return codes from the failed storage call.

- The MQSeries, OS/390, and IMS service levels.

00C81000

Explanation: A severe error has occurred while processing an MQSeries REFRESH SECURITY command.

Module: CSQHCHK4

System Action: The current execution unit terminates with abend reason code X'5C6', and a dump is produced. Register 2 contains the address of the control block involved in the error.

System Programmer Response: Collect the items listed in the Problem Determination section, and contact your IBM support center.

Problem Determination: Collect the following diagnostic items:

- A description of the action(s) that led to the abend, or if applicable, a listing of the application program, or input string to the utility program, being run at the time of the abend
- MQSeries job log
- System dump resulting from the abend
- The MQSeries security command entered prior to the abend
- CICS transaction dump (if running with CICS)
- The MQSeries, OS/390, CICS, and IMS service levels

Data manager codes (X'C9')

00C90100

Explanation: The object MQSeries was trying to create was too large to be stored.

Module: CSQICRE4

System Action: The current execution unit terminates with abend code X'5C6', and a dump is produced.

System Programmer Response: Collect the items listed in the Problem Determination section and contact your IBM support center.

Problem Determination: Collect the following diagnostic items:

- A description of the action(s) that led to the abend, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the abend
- MQSeries job log
- The MQSeries active log data set
- System dump resulting from the abend
- CICS transaction dump (if running with CICS)
- The MQSeries, OS/390, CICS, and IMS service levels
- ISPF panel name (if using the MQSeries operations and controls panels)

00C90200

Explanation: A page set page retrieved was not valid.

Module: CSQIALLC, CSQICUSE, CSQCERS2, CSQCREDO

System Action: The current execution unit terminates with abend code X'5C6', and a dump is produced.

System Programmer Response: Collect the items listed in the Problem Determination section and contact your IBM support center.

Problem Determination: Collect the following diagnostic items:

- A description of the action(s) that led to the abend, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the abend
- MQSeries job log
- The MQSeries active log data set
- System dump resulting from the abend
- CICS transaction dump (if running with CICS)
- The MQSeries, OS/390, CICS, and IMS service levels
- ISPF panel name (if using the MQSeries operations and controls panels)

00C90201

Explanation: A page set page retrieved was not valid. The page was not a header page.

Module: CSQIERS3

System Action: The current execution unit terminates with abend code X'5C6', and a dump is produced.

System Programmer Response: Collect the items listed in the Problem Determination section and contact your IBM support center.

Problem Determination: Collect the following diagnostic items:

- A description of the action(s) that led to the abend, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the abend
- MQSeries job log
- The MQSeries active log data set

- System dump resulting from the abend
- CICS transaction dump (if running with CICS)
- The MQSeries, OS/390, CICS, and IMS service levels
- ISPF panel name (if using the MQSeries operations and controls panels)

00C90202

Explanation: A page set page retrieved was not valid. The page was not a data page.

Module: CSQIERS3, CSQIERS4, CSQIPUT5, CSQIPUT6

System Action: The current execution unit terminates with abend code X'5C6', and a dump is produced.

System Programmer Response: Collect the items listed in the Problem Determination section and contact your IBM support center.

Problem Determination: Collect the following diagnostic items:

- A description of the action(s) that led to the abend, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the abend
- MQSeries job log
- The MQSeries active log data set
- System dump resulting from the abend
- CICS transaction dump (if running with CICS)
- The MQSeries, OS/390, CICS, and IMS service levels
- ISPF panel name (if using the MQSeries operations and controls panels)

00C90300

Explanation: MQSeries was unable to start a unit of recovery for this execution unit.

Module: CSQILCUR

System Action: The current execution unit terminates with abend code X'5C6', and a dump is produced.

System Programmer Response: Collect the items listed in the Problem Determination section and contact your IBM support center.

Problem Determination: Collect the following diagnostic items:

- A description of the action(s) that led to the abend, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the abend
- MQSeries job log
- The MQSeries active log data set
- System dump resulting from the abend
- CICS transaction dump (if running with CICS)
- The MQSeries, OS/390, CICS, and IMS service levels
- ISPF panel name (if using the MQSeries operations and controls panels)

00C90301

Explanation: An internal logging error has occurred for the current execution unit.

Module: CSQILCUR

System Action: The current execution unit terminates with abend code X'5C6', and a dump is produced.

System Programmer Response: Collect the items listed in the Problem Determination section and contact your IBM support center.

Problem Determination: Collect the following diagnostic items:

- A description of the action(s) that led to the abend, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the abend
- MQSeries job log
- The MQSeries active log data set
- System dump resulting from the abend
- CICS transaction dump (if running with CICS)
- The MQSeries, OS/390, CICS, and IMS service levels
- ISPF panel name (if using the MQSeries operations and controls panels)

00C90400

Explanation: The data manager has detected an invalid log record.

Module: CSQILCHG, CSQILINS, CSQILVAL, CSQISLOG

System Action: The current execution unit terminates with abend code X'5C6', and a dump is produced.

System Programmer Response: Collect the items listed in the Problem Determination section and contact your IBM support center.

Problem Determination: Collect the following diagnostic items:

- A description of the action(s) that led to the abend, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the abend
- MQSeries job log
- The MQSeries active log data set
- System dump resulting from the abend
- CICS transaction dump (if running with CICS)
- The MQSeries, OS/390, CICS, and IMS service levels
- ISPF panel name (if using the MQSeries operations and controls panels)

00C90401

Explanation: The data manager has detected an invalid log record subtype.

Module: CSQILVAL, CSQIREDO, CSQISLOG, CSQIUNDO

System Action: The current execution unit terminates with abend code X'5C6', and a dump is produced.

System Programmer Response: Collect the items listed in the Problem Determination section and contact your IBM support center.

Problem Determination: Collect the following diagnostic items:

- A description of the action(s) that led to the abend, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the abend
- MQSeries job log
- The MQSeries active log data set
- System dump resulting from the abend
- CICS transaction dump (if running with CICS)
- The MQSeries, OS/390, CICS, and IMS service levels
- ISPF panel name (if using the MQSeries operations and controls panels)

00C90500

Explanation: The data manager was asked to make a change to some data in a page, but the change would have extended beyond the specific data item.

Module: CSQIINS4, CSQILCHG, CSQILINS, CSQILVAL, CSQIREDO

System Action: The current execution unit terminates with abend code X'5C6', and a dump is produced.

System Programmer Response: Collect the items listed in the Problem Determination section and contact your IBM support center.

Problem Determination: Collect the following diagnostic items:

- A description of the action(s) that led to the abend, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the abend
- MQSeries job log
- The MQSeries active log data set
- System dump resulting from the abend
- CICS transaction dump (if running with CICS)
- The MQSeries, OS/390, CICS, and IMS service levels
- ISPF panel name (if using the MQSeries operations and controls panels)

00C90600

Explanation: The data manager was unable to locate a specific logical record within a data page. The record was required for an update, or to insert a new record immediately after.

Module: CSQICACH, CSQIDLM1, CSQIINS7, CSQILCHG, CSQILINS, CSQILVAL, CSQIMGE1, CSQIMGE7, CSQIREDO

System Action: The current execution unit terminates with abend code X'5C6', and a dump is produced.

System Programmer Response: Collect the items listed in the Problem Determination section and contact your IBM support center.

Problem Determination: Collect the following diagnostic items:

- A description of the action(s) that led to the abend, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the abend
- MQSeries job log
- The MQSeries active log data set
- System dump resulting from the abend
- CICS transaction dump (if running with CICS)
- The MQSeries, OS/390, CICS, and IMS service levels
- ISPF panel name (if using the MQSeries operations and controls panels)

00C90700

Explanation: The data manager was unable to locate its *resource access list entry* (RALE).

Module: CSQIDLM1, CSQILABR, CSQILCHG, CSQILCUR, CSQILINS, CSQILOM1, CSQILPOS, CSQILVAL, CSQIMGE1, CSQIMPU1, CSQINTOP, CSQIRREQ, CSQISLOG

System Action: The current execution unit terminates with abend code X'5C6', and a dump is produced.

System Programmer Response: Collect the items listed in the Problem Determination section and contact your IBM support center.

Problem Determination: Collect the following diagnostic items:

- A description of the action(s) that led to the abend, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the abend
- MQSeries job log
- The MQSeries active log data set
- System dump resulting from the abend
- CICS transaction dump (if running with CICS)
- The MQSeries, OS/390, CICS, and IMS service levels
- ISPF panel name (if using the MQSeries operations and controls panels)

00C90800

Explanation: The data manager was requested to put a message on a queue, but told to give the message an invalid priority.

Module: CSQIMPU1

System Action: The current execution unit terminates with abend code X'5C6', and a dump is produced.

System Programmer Response: Collect the items listed in the Problem Determination section and contact your IBM support center.

Problem Determination: Collect the following diagnostic items:

- A description of the action(s) that led to the abend, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the abend
- MQSeries job log
- The MQSeries active log data set
- System dump resulting from the abend
- CICS transaction dump (if running with CICS)
- The MQSeries, OS/390, CICS, and IMS service levels
- ISPF panel name (if using the MQSeries operations and controls panels)

00C90900

Explanation: The data manager was asked to retrieve a logical record from a page, but on retrieving it discovered that the record is invalid.

Module: CSQIDEL6, CSQIDEL9, CSQIDL1, CSQIMGE1, CSQIMGE5

System Action: The current execution unit terminates with abend code X'5C6', and a dump is produced.

System Programmer Response: Collect the items listed in the Problem Determination section and contact your IBM support center.

Problem Determination: Collect the following diagnostic items:

- A description of the action(s) that led to the abend, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the abend
- MQSeries job log
- The MQSeries active log data set
- System dump resulting from the abend
- CICS transaction dump (if running with CICS)
- The MQSeries, OS/390, CICS, and IMS service levels
- ISPF panel name (if using the MQSeries operations and controls panels)

00C90A00

Explanation: The data manager was asked to carry out a value logging operation with an invalid length field.

Module: CSQILVAL, CSQIREDO

System Action: The current execution unit terminates with abend code X'5C6', and a dump is produced.

System Programmer Response: Collect the items listed in the Problem Determination section and contact your IBM support center.

Problem Determination: Collect the following diagnostic items:

- A description of the action(s) that led to the abend, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the abend
- MQSeries job log
- The MQSeries active log data set
- System dump resulting from the abend
- CICS transaction dump (if running with CICS)

- The MQSeries, OS/390, CICS, and IMS service levels
- ISPF panel name (if using the MQSeries operations and controls panels)

00C90B00

Explanation: The space reclamation routines have been asked to deallocate a page that is not in a state to be deallocated.

Module: CSQIDEL9

System Action: The current execution unit terminates with abend code X'5C6', and a dump is produced.

System Programmer Response: Collect the items listed in the Problem Determination section and contact your IBM support center.

Problem Determination: Collect the following diagnostic items:

- A description of the action(s) that led to the abend, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the abend
- MQSeries job log
- The MQSeries active log data set
- System dump resulting from the abend
- CICS transaction dump (if running with CICS)
- The MQSeries, OS/390, CICS, and IMS service levels
- ISPF panel name (if using the MQSeries operations and controls panels)

00C90C00

Explanation: An object type description passed to the data manager is not valid.

Module: CSQIENU1

System Action: The current execution unit terminates with abend code X'5C6', and a dump is produced.

System Programmer Response: Collect the items listed in the Problem Determination section and contact your IBM support center.

Problem Determination: Collect the following diagnostic items:

- A description of the action(s) that led to the abend, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the abend
- MQSeries job log
- The MQSeries active log data set
- System dump resulting from the abend
- CICS transaction dump (if running with CICS)
- The MQSeries, OS/390, CICS, and IMS service levels
- ISPF panel name (if using the MQSeries operations and controls panels)

00C90D00

Explanation: The data manager has attempted to rebuild the current state of the system. However, the job control language (JCL) has been changed to present a page set that was originally page set n as being a different page set. Register 0 contains the identifier of the page set in error, and register 2 contains the identifier it was previously associated with.

Module: CSQIECUR

System Action: The current execution unit terminates with abend code X'5C6', and a dump is produced.

System Programmer Response: If the CSQPnnnn DD statements have been changed, undo the changes and restart the system. If no changes have been made to these statements, collect the items listed in the Problem Determination section and contact your IBM support center.

Problem Determination: Collect the following diagnostic items:

- A description of the action(s) that led to the abend, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the abend
- MQSeries job log
- The MQSeries active log data set
- System dump resulting from the abend
- CICS transaction dump (if running with CICS)
- The MQSeries, OS/390, CICS, and IMS service levels
- ISPF panel name (if using the MQSeries operations and controls panels)

00C90D01

Explanation: Your data set is not recognized as an MQSeries page set. This is probably because it has not been formatted.

Register 0 contains the identifier of the page set in error.

Module: CSQIECUR

System Action: The current execution unit terminates with abend code X'5C6', and a dump is produced.

System Programmer Response: Format the page set.

00C90D02

Explanation: This abend code is caused by one of the following:

- An attempt to use a page set that is a valid MQSeries page set, but does not belong to this MQSeries subsystem
- An attempt to change the subsystem name

Neither of these actions is allowed.

Register 0 contains the identifier of the page set in error.

Module: CSQIECUR

System Action: The current execution unit terminates with abend code X'5C6', and a dump is produced.

System Programmer Response: If you were attempting to use a page set from another MQSeries subsystem, correct the error. Do not attempt to change the name of your MQSeries subsystem.

00C90D03

Explanation: An internal error has occurred during processing of an MQGET call with the Mark Skip Backout option.

Module: CSQIDLM1

System Action: The current execution unit terminates with abend code X'5C6', and a dump is produced.

System Programmer Response: Collect the items listed in the Problem Determination section and contact your IBM support center.

Problem Determination: Collect the following diagnostic items:

- A description of the action(s) that led to the abend, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the abend
- MQSeries job log
- The MQSeries active log data set
- System dump resulting from the abend
- CICS transaction dump (if running with CICS)
- The MQSeries, OS/390, CICS, and IMS service levels

- ISPF panel name (if using the MQSeries operations and controls panels)

00C90D04

Explanation: During restart, MQSeries has detected that a page set has been truncated. This is probably because the data set allocated during restoration of a backup was smaller than required to hold the backed up data, and so the data has been truncated.

Module: CSQIECUR

System Action: The identifier of the page set in error is put in register 0. Restart is terminated.

System Programmer Response: Reallocate the data set correctly, restore the backed up data, and restart MQSeries.

00C90E00

Explanation: The data manager was passed an invalid parameter describing the location of a logical record within a data page and page set.

Module: CSQIPUT5, CSQIPUT6

System Action: The current execution unit terminates with abend code X'5C6', and a dump is produced.

System Programmer Response: Collect the items listed in the Problem Determination section and contact your IBM support center.

Problem Determination: Collect the following diagnostic items:

- A description of the action(s) that led to the abend, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the abend
- MQSeries job log
- System dump resulting from the abend
- CICS transaction dump (if running with CICS)
- The MQSeries, OS/390, CICS, and IMS service levels
- ISPF panel name (if using the MQSeries operations and controls panels)

00C90F00

Explanation: The data manager was requested to update a logical record within a page, but the record had been deleted previously.

Module: CSQIPUT5, CSQIPUT6

System Action: The current execution unit terminates with abend code X'5C6', and a dump is produced.

System Programmer Response: Collect the items listed in the Problem Determination section and contact your IBM support center.

Problem Determination: Collect the following diagnostic items:

- A description of the action(s) that led to the abend, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the abend
- MQSeries job log
- The MQSeries active log data set
- System dump resulting from the abend
- CICS transaction dump (if running with CICS)
- The MQSeries, OS/390, CICS, and IMS service levels
- ISPF panel name (if using the MQSeries operations and controls panels)

00C91000

Explanation: The data manager was asked to retrieve a message from an object that was not a local queue.

Module: CSQIMGE1

System Action: The current execution unit terminates with abend code X'5C6', and a dump is produced.

System Programmer Response: Collect the items listed in the Problem Determination section and contact your IBM support center.

Problem Determination: Collect the following diagnostic items:

- A description of the action(s) that led to the abend, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the abend
- MQSeries job log
- The MQSeries active log data set
- System dump resulting from the abend
- CICS transaction dump (if running with CICS)
- The MQSeries, OS/390, CICS, and IMS service levels
- ISPF panel name (if using the MQSeries operations and controls panels)

00C91101

Explanation: An internal error has occurred.

Module: CSQIMGE7

System Action: The current execution unit terminates with abend code X'5C6', and a dump is produced.

System Programmer Response: Collect the items listed in the Problem Determination section and contact your IBM support center.

Problem Determination: Collect the following diagnostic items:

- A description of the action(s) that led to the abend, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the abend
- MQSeries job log
- The MQSeries active log data set
- System dump resulting from the abend
- CICS transaction dump (if running with CICS)
- The MQSeries, OS/390, CICS, and IMS service levels
- ISPF panel name (if using the MQSeries operations and controls panels)

00C91102

Explanation: MQSeries received a return code indicating an error from the RRS ATRSROI service.

System Action: The current execution unit terminates with abend X'5C6', and a dump is produced.

Module: CSQILOM1

System Programmer Response: The return code from ATRSROI is in register 3. See the *MVS Programming: Resource Recovery* manual for information about the return code.

00C91104

Explanation: The data manager was requested to carry out a browse message operation, but the required lock was not held.

Module: CSQIMBL1, CSQIMGE1, CSQIMGE7

System Action: The current execution unit terminates with abend code X'5C6', and a dump is produced.

System Programmer Response: Collect the items listed in the Problem Determination section and contact your IBM support center.

Problem Determination: Collect the following diagnostic items:

- A description of the action(s) that led to the abend, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the abend
- MQSeries job log
- The MQSeries active log data set
- System dump resulting from the abend
- CICS transaction dump (if running with CICS)
- The MQSeries, OS/390, CICS, and IMS service levels
- ISPF panel name (if using the MQSeries operations and controls panels)

00C91200

Explanation: The internal data manager locate-object routine could not find the object it was seeking during UNDO processing.

Module: CSQICACH, CSQISCBK

System Action: The current execution unit terminates with abend code X'5C6', and a dump is produced.

System Programmer Response: Collect the items listed in the Problem Determination section and contact your IBM support center.

Problem Determination: Collect the following diagnostic items:

- A description of the action(s) that led to the abend, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the abend
- MQSeries job log
- The MQSeries active log data set
- System dump resulting from the abend
- CICS transaction dump (if running with CICS)
- The MQSeries, OS/390, CICS, and IMS service levels
- ISPF panel name (if using the MQSeries operations and controls panels)

00C91300

Explanation: During system startup, the data manager was attempting to recover an object, the length of which exceeds a single data page. However, one of the intermediate data pages was not available, and MQSeries was unable to recover the object.

Module: CSQIERS4

System Action: The current execution unit terminates with abend code X'5C6', and a dump is produced.

System Programmer Response: Collect the items listed in the Problem Determination section and contact your IBM support center.

Problem Determination: Collect the following diagnostic items:

- A description of the action(s) that led to the abend, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the abend
- MQSeries job log
- The MQSeries active log data set
- System dump resulting from the abend
- CICS transaction dump (if running with CICS)
- The MQSeries, OS/390, CICS, and IMS service levels
- ISPF panel name (if using the MQSeries operations and controls panels)

00C91400

Explanation: The data manager was unable to access the header page (page 0) of one of the page sets.

Module: CSQIERS3, CSQIECUR

System Action: The current execution unit terminates with abend code X'5C6', and a dump is produced. The number of the page set whose header page was unreadable is held in register 2.

System Programmer Response:

1. Check for a preceding IEC1611 or CSQP0111 message relating to page set mentioned in register 2.
2. Check the following:
 - For the page set mentioned in register 2, is the appropriate CSQPnnnn DD statement present in the MQSeries startup JCL?
 - Does this DD statement reference a genuine data set? DD DUMMY statements are not allowed for page sets.
 - Is DEFINE PSID(nn) present in the CSQINP1 startup file?
3. If you are still unable to resolve the problem, collect the items listed in the Problem Determination section and contact your IBM support center.

Problem Determination: Collect the following diagnostic items:

- A description of the action(s) that led to the abend, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the abend
- MQSeries job log
- The MQSeries active log data set
- System dump resulting from the abend
- CICS transaction dump (if running with CICS)
- The MQSeries, OS/390, CICS, and IMS service levels
- ISPF panel name (if using the MQSeries operations and controls panels)

00C91500

Explanation: During MQSeries startup, the data manager was following a chain of objects on disk, and requested the next data page in the chain from the buffer manager. However, the buffer manager could not supply this page.

Module: CSQIERS3

System Action: The current execution unit terminates with abend code X'5C6', and a dump is produced.

System Programmer Response: Collect the items listed in the Problem Determination section and contact your IBM support center.

Problem Determination: Collect the following diagnostic items:

- A description of the action(s) that led to the abend, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the abend
- MQSeries job log
- The MQSeries active log data set
- System dump resulting from the abend
- CICS transaction dump (if running with CICS)
- The MQSeries, OS/390, CICS, and IMS service levels
- ISPF panel name (if using the MQSeries operations and controls panels)

00C91600

Explanation: During restart, the data manager rebuilds its virtual storage structures from page set data. On rebuilding an object, data manager discovered that the object already exists.

Module: CSQIERS3

System Action: The current execution unit terminates with abend code X'5C6', and a dump is produced.

System Programmer Response: Collect the items listed in the Problem Determination section and contact your IBM support center.

Problem Determination: Collect the following diagnostic items:

- A description of the action(s) that led to the abend, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the abend
- MQSeries job log
- The MQSeries active log data set
- System dump resulting from the abend
- CICS transaction dump (if running with CICS)
- The MQSeries, OS/390, CICS, and IMS service levels
- ISPF panel name (if using the MQSeries operations and controls panels)

00C91700

Explanation: An internal error has occurred.

Module: CSQIECUR, CSQIERS3

System Action: The current execution unit terminates with abend code X'5C6', and a dump is produced.

System Programmer Response: Collect the items listed in the Problem Determination section and contact your IBM support center.

Problem Determination: Collect the following diagnostic items:

- A description of the action(s) that led to the abend, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the abend
- MQSeries job log
- The MQSeries active log data set
- System dump resulting from the abend
- CICS transaction dump (if running with CICS)
- The MQSeries, OS/390, CICS, and IMS service levels
- ISPF panel name (if using the MQSeries operations and controls panels)

00C91800

Explanation: An internal error has occurred.

Module: CSQIERS3

System Action: The current execution unit terminates with abend code X'5C6', and a dump is produced.

System Programmer Response: Collect the items listed in the Problem Determination section and contact your IBM support center.

Problem Determination: Collect the following diagnostic items:

- A description of the action(s) that led to the abend, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the abend
- MQSeries job log
- The MQSeries active log data set
- System dump resulting from the abend
- CICS transaction dump (if running with CICS)
- The MQSeries, OS/390, CICS, and IMS service levels
- ISPF panel name (if using the MQSeries operations and controls panels)

00C91900

Explanation: During restart, data manager has detected an error in the rebuild of its object virtual storage structures.

Module: CSQIERST, CSQIERS3

System Action: The current execution unit terminates with abend code X'5C6', and a dump is produced.

System Programmer Response: Collect the items listed in the Problem Determination section and contact your IBM support center.

Problem Determination: Collect the following diagnostic items:

- A description of the action(s) that led to the abend, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the abend
- MQSeries job log
- The MQSeries active log data set
- System dump resulting from the abend
- CICS transaction dump (if running with CICS)
- The MQSeries, OS/390, CICS, and IMS service levels
- ISPF panel name (if using the MQSeries operations and controls panels)

00C91B01

Explanation: During restart, the data manager found a queue whose messages are apparently located in a newly added page set. This is probably because MQSeries was run with a page set offline, and a new page set was formatted to replace the original one. This will lead to data loss.

Module: CSQIERS3

System Action: The current execution unit terminates with abend code X'5C6', and a dump is produced.

System Programmer Response: Collect the items listed in the Problem Determination section and contact your IBM support center.

Problem Determination: Collect the following diagnostic items:

- A description of the action(s) that led to the abend, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the abend
- MQSeries job log
- The MQSeries active log data set
- System dump resulting from the abend
- CICS transaction dump (if running with CICS)
- The MQSeries, OS/390, CICS, and IMS service levels
- ISPF panel name (if using the MQSeries operations and controls panels)

00C91C00

Explanation: A delete purge request has been issued but the object type is not a local queue.

Module: CSQIDEL3

System Action: The current execution unit terminates with abend code X'5C6', and a dump is produced.

System Programmer Response: Collect the items listed in the Problem Determination section and contact your IBM support center.

Problem Determination: Collect the following diagnostic items:

- A description of the action(s) that led to the abend, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the abend
- MQSeries job log
- The MQSeries active log data set
- System dump resulting from the abend
- CICS transaction dump (if running with CICS)

- The MQSeries, OS/390, CICS, and IMS service levels
- ISPF panel name (if using the MQSeries operations and controls panels)

00C91D00

Explanation: A lock request has failed during an attempt to lock all pages associated with a long catalogue object, or a long message.

Module: CSQIDEL8, CSQIMGE5

System Action: The current execution unit terminates with abend code X'5C6', and a dump is produced.

System Programmer Response: Collect the items listed in the Problem Determination section and contact your IBM support center.

Problem Determination: Collect the following diagnostic items:

- A description of the action(s) that led to the abend, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the abend
- MQSeries job log
- The MQSeries active log data set
- System dump resulting from the abend
- CICS transaction dump (if running with CICS)
- The MQSeries, OS/390, CICS, and IMS service levels
- ISPF panel name (if using the MQSeries operations and controls panels)

00C91E00

Explanation: During a request issued by CSQIPUT5 or CSQIPUT6, an attempt to obtain a page level lock was unsuccessful.

Module: CSQIPUT5, CSQIPUT6

System Action: The current execution unit terminates with abend code X'5C6', and a dump is produced.

System Programmer Response: Collect the items listed in the Problem Determination section and contact your IBM support center.

Problem Determination: Collect the following diagnostic items:

- A description of the action(s) that led to the abend, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the abend
- MQSeries job log
- The MQSeries active log data set
- System dump resulting from the abend
- CICS transaction dump (if running with CICS)
- The MQSeries, OS/390, CICS, and IMS service levels
- ISPF panel name (if using the MQSeries operations and controls panels)

00C91F00

Explanation: During a request issued by CSQIPUT5 or CSQIPUT6, an attempt to obtain a record level lock was unsuccessful.

Module: CSQIPUT5, CSQIPUT6

System Action: The current execution unit terminates with abend code X'5C6', and a dump is produced.

System Programmer Response: Collect the items listed in the Problem Determination section and contact your IBM support center.

Problem Determination: Collect the following diagnostic items:

- A description of the action(s) that led to the abend, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the abend
- MQSeries job log
- The MQSeries active log data set
- System dump resulting from the abend

00C92000 • 00C92500

- CICS transaction dump (if running with CICS)
- The MQSeries, OS/390, CICS, and IMS service levels
- ISPF panel name (if using the MQSeries operations and controls panels)

00C92000

Explanation: An attempt to obtain a page level lock on the owner page relating to an object or message was unsuccessful.

Module: CSQIINS4, CSQIINS7

System Action: The current execution unit terminates with abend code X'5C6', and a dump is produced.

System Programmer Response: Collect the items listed in the Problem Determination section and contact your IBM support center.

Problem Determination: Collect the following diagnostic items:

- A description of the action(s) that led to the abend, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the abend
- MQSeries job log
- The MQSeries active log data set
- System dump resulting from the abend
- CICS transaction dump (if running with CICS)
- The MQSeries, OS/390, CICS, and IMS service levels
- ISPF panel name (if using the MQSeries operations and controls panels)

00C92100

Explanation: An attempt to obtain a page level lock while trying to insert data was unsuccessful.

Module: CSQIINS4

System Action: The current execution unit terminates with abend code X'5C6', and a dump is produced.

System Programmer Response: Collect the items listed in the Problem Determination section and contact your IBM support center.

Problem Determination: Collect the following diagnostic items:

- A description of the action(s) that led to the abend, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the abend
- MQSeries job log
- The MQSeries active log data set
- System dump resulting from the abend
- CICS transaction dump (if running with CICS)
- The MQSeries, OS/390, CICS, and IMS service levels
- ISPF panel name (if using the MQSeries operations and controls panels)

00C92200

Explanation: An attempt to obtain a record level lock while trying to insert data was unsuccessful.

Module: CSQIINS4

System Action: The current execution unit terminates with abend code X'5C6', and a dump is produced.

System Programmer Response: Collect the items listed in the Problem Determination section and contact your IBM support center.

Problem Determination: Collect the following diagnostic items:

- A description of the action(s) that led to the abend, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the abend
- MQSeries job log
- The MQSeries active log data set

- System dump resulting from the abend
- CICS transaction dump (if running with CICS)
- The MQSeries, OS/390, CICS, and IMS service levels
- ISPF panel name (if using the MQSeries operations and controls panels)

00C92300

Explanation: An attempt to obtain a record level lock while trying to amend data was unsuccessful.

Module: CSQILVAL

System Action: The current execution unit terminates with abend code X'5C6', and a dump is produced.

System Programmer Response: Collect the items listed in the Problem Determination section and contact your IBM support center.

Problem Determination: Collect the following diagnostic items:

- A description of the action(s) that led to the abend, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the abend
- MQSeries job log
- The MQSeries active log data set
- System dump resulting from the abend
- CICS transaction dump (if running with CICS)
- The MQSeries, OS/390, CICS, and IMS service levels
- ISPF panel name (if using the MQSeries operations and controls panels)

00C92400

Explanation: An attempt to get a lock on object type concatenated with object name within CSQIMGE1 was unsuccessful.

Module: CSQIMGE1

System Action: The current execution unit terminates with abend code X'5C6', and a dump is produced.

System Programmer Response: Collect the items listed in the Problem Determination section and contact your IBM support center.

Problem Determination: Collect the following diagnostic items:

- A description of the action(s) that led to the abend, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the abend
- MQSeries job log
- The MQSeries active log data set
- System dump resulting from the abend
- CICS transaction dump (if running with CICS)
- The MQSeries, OS/390, CICS, and IMS service levels
- ISPF panel name (if using the MQSeries operations and controls panels)

00C92500

Explanation: An internal error has occurred.

Module: CSQIDEL2

System Action: The current execution unit terminates with abend code X'5C6', and a dump is produced.

System Programmer Response: Collect the items listed in the Problem Determination section and contact your IBM support center.

Problem Determination: Collect the following diagnostic items:

- A description of the action(s) that led to the abend, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the abend
- MQSeries job log
- The MQSeries active log data set

- System dump resulting from the abend
- CICS transaction dump (if running with CICS)
- The MQSeries, OS/390, CICS, and IMS service levels
- ISPF panel name (if using the MQSeries operations and controls panels)

00C92600

Explanation: An internal error has occurred.

Module: CSQIDEL3

System Action: The current execution unit terminates with abend code X'5C6', and a dump is produced.

System Programmer Response: Collect the items listed in the Problem Determination section and contact your IBM support center.

Problem Determination: Collect the following diagnostic items:

- A description of the action(s) that led to the abend, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the abend
- MQSeries job log
- The MQSeries active log data set
- System dump resulting from the abend
- CICS transaction dump (if running with CICS)
- The MQSeries, OS/390, CICS, and IMS service levels
- ISPF panel name (if using the MQSeries operations and controls panels)

00C92700

Explanation: An internal error has occurred.

Module: CSQILABR

System Action: The current execution unit terminates with abend code X'5C6', and a dump is produced.

System Programmer Response: Collect the items listed in the Problem Determination section and contact your IBM support center.

Problem Determination: Collect the following diagnostic items:

- A description of the action(s) that led to the abend, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the abend
- MQSeries job log
- The MQSeries active log data set
- System dump resulting from the abend
- CICS transaction dump (if running with CICS)
- The MQSeries, OS/390, CICS, and IMS service levels
- ISPF panel name (if using the MQSeries operations and controls panels)

00C92800

Explanation: An internal error has occurred.

Module: CSQILABR

System Action: The current execution unit terminates with abend code X'5C6', and a dump is produced.

System Programmer Response: Collect the items listed in the Problem Determination section and contact your IBM support center.

Problem Determination: Collect the following diagnostic items:

- A description of the action(s) that led to the abend, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the abend
- MQSeries job log
- The MQSeries active log data set
- System dump resulting from the abend
- CICS transaction dump (if running with CICS)

- The MQSeries, OS/390, CICS, and IMS service levels
- ISPF panel name (if using the MQSeries operations and controls panels)

00C92900

Explanation: An internal error has occurred.

Module: CSQISCN1, CSQISCP1

System Action: The current execution unit terminates with abend code X'5C6', and a dump is produced.

System Programmer Response: Collect the items listed in the Problem Determination section and contact your IBM support center.

Problem Determination: Collect the following diagnostic items:

- A description of the action(s) that led to the abend, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the abend
- MQSeries job log
- The MQSeries active log data set
- System dump resulting from the abend
- CICS transaction dump (if running with CICS)
- The MQSeries, OS/390, CICS, and IMS service levels
- ISPF panel name (if using the MQSeries operations and controls panels)

00C92A00

Explanation: An internal error has occurred.

Module: CSQIMRKS, CSQISYNS

System Action: The current execution unit terminates with abend code X'5C6', and a dump is produced.

System Programmer Response: Collect the items listed in the Problem Determination section and contact your IBM support center.

Problem Determination: Collect the following diagnostic items:

- A description of the action(s) that led to the abend, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the abend
- MQSeries job log
- The MQSeries active log data set
- System dump resulting from the abend
- CICS transaction dump (if running with CICS)
- The MQSeries, OS/390, CICS, and IMS service levels
- ISPF panel name (if using the MQSeries operations and controls panels)

00C92B00

Explanation: An internal error has occurred.

Module: CSQISCN4, CSQISCP3, CSQISCP4

System Action: The current execution unit terminates with abend code X'5C6', and a dump is produced.

System Programmer Response: Collect the items listed in the Problem Determination section and contact your IBM support center.

Problem Determination: Collect the following diagnostic items:

- A description of the action(s) that led to the abend, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the abend
- MQSeries job log
- The MQSeries active log data set
- System dump resulting from the abend
- CICS transaction dump (if running with CICS)
- The MQSeries, OS/390, CICS, and IMS service levels

- ISPF panel name (if using the MQSeries operations and controls panels)

00C92C00

Explanation: An internal error has occurred.

Module: CSQISCN3, CSQISCN4, CSQISCP4

System Action: The current execution unit terminates with abend code X'5C6', and a dump is produced.

System Programmer Response: Collect the items listed in the Problem Determination section and contact your IBM support center.

Problem Determination: Collect the following diagnostic items:

- A description of the action(s) that led to the abend, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the abend
- MQSeries job log
- The MQSeries active log data set
- System dump resulting from the abend
- CICS transaction dump (if running with CICS)
- The MQSeries, OS/390, CICS, and IMS service levels
- ISPF panel name (if using the MQSeries operations and controls panels)

00C92D00

Explanation: An internal error has occurred.

Module: CSQISCN3, CSQISCN4, CSQISCP3, CSQISCP4

System Action: The current execution unit terminates with abend code X'5C6', and a dump is produced.

System Programmer Response: Collect the items listed in the Problem Determination section and contact your IBM support center.

Problem Determination: Collect the following diagnostic items:

- A description of the action(s) that led to the abend, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the abend
- MQSeries job log
- The MQSeries active log data set
- System dump resulting from the abend
- CICS transaction dump (if running with CICS)
- The MQSeries, OS/390, CICS, and IMS service levels
- ISPF panel name (if using the MQSeries operations and controls panels)

00C92E00

Explanation: An internal error has occurred.

Module: CSQISCN3, CSQISCN4, CSQISCP3, CSQISCP4

System Action: The current execution unit terminates with abend code X'5C6', and a dump is produced.

System Programmer Response: Collect the items listed in the Problem Determination section and contact your IBM support center.

Problem Determination: Collect the following diagnostic items:

- A description of the action(s) that led to the abend, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the abend
- MQSeries job log
- The MQSeries active log data set
- System dump resulting from the abend
- CICS transaction dump (if running with CICS)
- The MQSeries, OS/390, CICS, and IMS service levels
- ISPF panel name (if using the MQSeries operations and controls panels)

00C92F00

Explanation: An internal error has occurred.

Module: CSQISCN3, CSQISCP3

System Action: The current execution unit terminates with abend code X'5C6', and a dump is produced.

System Programmer Response: Collect the items listed in the Problem Determination section and contact your IBM support center.

Problem Determination: Collect the following diagnostic items:

- A description of the action(s) that led to the abend, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the abend
- MQSeries job log
- The MQSeries active log data set
- System dump resulting from the abend
- CICS transaction dump (if running with CICS)
- The MQSeries, OS/390, CICS, and IMS service levels
- ISPF panel name (if using the MQSeries operations and controls panels)

00C93000

Explanation: An internal error has occurred.

Module: CSQIERST

System Action: The current execution unit terminates with abend code X'5C6', and a dump is produced.

System Programmer Response: Collect the items listed in the Problem Determination section and contact your IBM support center.

Problem Determination: Collect the following diagnostic items:

- A description of the action(s) that led to the abend, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the abend
- MQSeries job log
- The MQSeries active log data set
- System dump resulting from the abend
- CICS transaction dump (if running with CICS)
- The MQSeries, OS/390, CICS, and IMS service levels
- ISPF panel name (if using the MQSeries operations and controls panels)

00C93100

Explanation: A keyed read queue has encountered an error. A problem has occurred in the hash-table structure for the queue.

Module: CSQIMGE1, CSQIMGE3, CSQIMGEF, CSQIKRCD

System Action: The current execution unit terminates with abend code X'5C6', and a dump is produced.

System Programmer Response: Collect the items listed in the Problem Determination section and contact your IBM support center.

Problem Determination: Collect the following diagnostic items:

- A description of the action(s) that led to the abend, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the abend
- MQSeries job log
- The MQSeries active log data set
- System dump resulting from the abend
- CICS transaction dump (if running with CICS)
- The MQSeries, OS/390, CICS, and IMS service levels
- ISPF panel name (if using the MQSeries operations and controls panels)

00C93200

Explanation: An internal error has occurred.

Module: CSQIDLM1

System Action: The current execution unit terminates with abend code X'5C6', and a dump is produced.

System Programmer Response: Collect the items listed in the Problem Determination section and contact your IBM support center.

Problem Determination: Collect the following diagnostic items:

- A description of the action(s) that led to the abend, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the abend
- MQSeries job log
- The MQSeries active log data set
- System dump resulting from the abend
- CICS transaction dump (if running with CICS)
- The MQSeries, OS/390, CICS, and IMS service levels
- ISPF panel name (if using the MQSeries operations and controls panels)

00C93300

Explanation: An internal error has occurred.

Module: CSQIRREQ

System Action: The current execution unit terminates with abend code X'5C6', and a dump is produced.

System Programmer Response: Collect the items listed in the Problem Determination section and contact your IBM support center.

Problem Determination: Collect the following diagnostic items:

- A description of the action(s) that led to the abend, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the abend
- MQSeries job log
- The MQSeries active log data set
- System dump resulting from the abend
- CICS transaction dump (if running with CICS)
- The MQSeries, OS/390, CICS, and IMS service levels
- ISPF panel name (if using the MQSeries operations and controls panels)

00C93500

Explanation: MQSeries was extending a page set at startup, based on log records from earlier dynamic page set extend operations. (MQSeries does this so that any media recovery operation will have the required number of pages available in the page set.)

The page set could not be extended to the required RBA value.

The contents of the relevant registers are as follows:

- R0** The number of the page set that could no longer be extended
- R2** The logged page number that MQSeries was trying to extend to
- R3** The high page number at restart. This is the base from which MQSeries was extending.

Module: CSQIREX1

System Action: The current execution unit terminates with abend code X'5C6', and a dump is produced.

System Programmer Response: Create a larger page set, using multiple disk volumes if required, with a larger secondary extent value. The high page number of the page set should at least match that shown in register 2 in the dump.

00C93700

Explanation: A queue contains messages, but the storage class named in the queue definition does not exist. This is an error.

This abend is issued on MQSeries restart if it is **not** the first time the system has been started after migration to a new version.

Register 2 contains the first 4 characters of the storage class name, and register 3 contains characters 5 through 8.

Module: CSQIERS3

System Action: The current execution unit terminates with abend code X'5C6', and a dump is produced.

System Programmer Response: If you have already migrated to MQSeries for OS/390 version 1.1.4 or later, and then reverted to version 1.1.3, you must:

1. Empty/offload the queue on MQSeries for MVS/ESA version 1.1.3
2. Restart your new version of MQSeries for OS/390 (1.1.4 or later)
3. Define the storage class on your new version of MQSeries for OS/390
4. Reload the queue, if required.

If you have received this error, but have **not** run version 1.1.3 after migrating to a later version, collect the dump and a listing of your page set 0 and contact your IBM support center.

Note: This error is detected before the initialization input data set (CSQINP2) is processed. It cannot be resolved by adding the named storage class to this data set.

00C93800

Explanation: A queue contains messages, which are on a page set other than that defined by the storage class named by the queue.

This abend is issued on MQSeries restart if it is **not** the first time the system has been started after migration to a new version.

This abend is preceded by one or more instances of message CSQI028E.

Module: CSQIERS3

System Action: The current execution unit terminates with abend code X'5C6', and a dump is produced.

System Programmer Response: If you have already migrated to a new version of MQSeries for OS/390 (1.1.4 or later), and then reverted to version 1.1.3, you must follow the procedure documented in message CSQI028E.

If you have received this error, but have **not** run version 1.1.3 after migrating to version 1.1.4 or later, collect the dump and a listing of your page set 0 and contact your IBM support center.

Note: This error is detected before the initialization input data set (CSQINP2) is processed. It cannot be resolved by adding the named storage class to this data set.

00C93900

Explanation: During MQPUT processing, MQSeries was unable to acquire a lock on the storage class of the queue.

Module: CSQIMPU1

System Action: The current execution unit terminates with abend code X'5C6', and a dump is produced.

System Programmer Response: Collect the items listed in the Problem Determination section and contact your IBM support center.

Problem Determination: Collect the following diagnostic items:

- A description of the action(s) that led to the abend, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the abend
- MQSeries job log
- The MQSeries active log data set
- System dump resulting from the abend
- CICS transaction dump (if running with CICS)
- The MQSeries, OS/390, CICS, and IMS service levels
- ISPF panel name (if using the MQSeries operations and controls panels)

00C93A00

Explanation: During MQGET processing, MQSeries was unable to acquire a lock on the queue it was processing.

Module: CSQISCP2, CSQSCN2

System Action: The current execution unit terminates with abend code X'5C6', and a dump is produced.

System Programmer Response: Collect the items listed in the Problem Determination section and contact your IBM support center.

Problem Determination: Collect the following diagnostic items:

- A description of the action(s) that led to the abend, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the abend
- MQSeries job log
- The MQSeries active log data set
- System dump resulting from the abend
- CICS transaction dump (if running with CICS)
- The MQSeries, OS/390, CICS, and IMS service levels
- ISPF panel name (if using the MQSeries operations and controls panels)

00C93B00

Explanation: During MQPUT processing, MQSeries was unable to acquire a lock on the queue it was processing.

Module: CSQIMGE1, CSQIMPU1

System Action: The current execution unit terminates with abend code X'5C6', and a dump is produced.

System Programmer Response: Collect the items listed in the Problem Determination section and contact your IBM support center.

Problem Determination: Collect the following diagnostic items:

- A description of the action(s) that led to the abend, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the abend
- MQSeries job log
- The MQSeries active log data set
- System dump resulting from the abend
- CICS transaction dump (if running with CICS)
- The MQSeries, OS/390, CICS, and IMS service levels
- ISPF panel name (if using the MQSeries operations and controls panels)

00C93C00

Explanation: During MQGET processing, MQSeries was unable to retrieve a message page from a queue it was processing.

Module: CSQIMGEF, CSQIMGE8

System Action: The current execution unit terminates with abend code X'5C6', and a dump is produced.

System Programmer Response: Collect the items listed in the Problem Determination section and contact your IBM support center.

Problem Determination: Collect the following diagnostic items:

- A description of the action(s) that led to the abend, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the abend
- MQSeries job log
- The MQSeries active log data set
- System dump resulting from the abend
- CICS transaction dump (if running with CICS)
- The MQSeries, OS/390, CICS, and IMS service levels
- ISPF panel name (if using the MQSeries operations and controls panels)

00C93D00

Explanation: An internal error has occurred.

Module: CSQIMRKS, CSQISNC2, CSQISCP2

System Action: The current execution unit terminates with abend code X'5C6', and a dump is produced.

System Programmer Response: Collect the items listed in the Problem Determination section and contact your IBM support center.

Problem Determination: Collect the following diagnostic items:

- A description of the action(s) that led to the abend, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the abend
- MQSeries job log
- The MQSeries active log data set
- System dump resulting from the abend
- CICS transaction dump (if running with CICS)
- The MQSeries, OS/390, CICS, and IMS service levels
- ISPF panel name (if using the MQSeries operations and controls panels)

00C93E00

Explanation: An internal error has occurred.

Module: CSQISTR

System Action: The current execution unit terminates with abend code X'5C6', and a dump is produced.

System Programmer Response: Collect the items listed in the Problem Determination section and contact your IBM support center.

Problem Determination: Collect the following diagnostic items:

- A description of the action(s) that led to the abend, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the abend
- MQSeries job log
- The MQSeries active log data set
- System dump resulting from the abend
- CICS transaction dump (if running with CICS)
- The MQSeries, OS/390, CICS, and IMS service levels
- ISPF panel name (if using the MQSeries operations and controls panels)

00C93F00

Explanation: An internal error has occurred.

Module: CSQISTR

System Action: The current execution unit terminates with abend code X'5C6', and a dump is produced.

System Programmer Response: Collect the items listed in the Problem Determination section and contact your IBM support center.

Problem Determination: Collect the following diagnostic items:

- A description of the action(s) that led to the abend, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the abend
- MQSeries job log
- The MQSeries active log data set
- System dump resulting from the abend
- CICS transaction dump (if running with CICS)
- The MQSeries, OS/390, CICS, and IMS service levels
- ISPF panel name (if using the MQSeries operations and controls panels)

00C94000

Explanation: An internal error has occurred.

Module: CSQISTRT

System Action: The current execution unit terminates with abend code X'5C6', and a dump is produced.

System Programmer Response: Collect the items listed in the Problem Determination section and contact your IBM support center.

Problem Determination: Collect the following diagnostic items:

- A description of the action(s) that led to the abend, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the abend
- MQSeries job log
- The MQSeries active log data set
- System dump resulting from the abend
- CICS transaction dump (if running with CICS)
- The MQSeries, OS/390, CICS, and IMS service levels
- ISPF panel name (if using the MQSeries operations and controls panels)

00C94100

Explanation: An internal error has occurred.

Module: CSQICLO1, CSQIOPE1

System Action: The current execution unit terminates with abend code X'5C6', and a dump is produced.

System Programmer Response: Collect the items listed in the Problem Determination section and contact your IBM support center.

Problem Determination: Collect the following diagnostic items:

- A description of the action(s) that led to the abend, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the abend
- MQSeries job log
- The MQSeries active log data set
- System dump resulting from the abend
- CICS transaction dump (if running with CICS)
- The MQSeries, OS/390, CICS, and IMS service levels
- ISPF panel name (if using the MQSeries operations and controls panels)

00C94200

Explanation: MQSeries received a return code indicating an error from the RRS ATRENT service. This can occur if RRS is stopped when running an MQSeries application linked with an RRS stub.

System Action: The current execution unit terminates with abend X'5C6', and a dump is produced.

Module: CSQIRRSI

System Programmer Response: The return code from ATRENT is

in register 3. See the *MVS Programming: Resource Recovery* manual for information about the return code.

00C94300

Explanation: MQSeries received a return code indicating an error from the RRS ATRSIT service.

System Action: The current execution unit terminates with abend X'5C6', and a dump is produced.

Module: CSQIRRSI

System Programmer Response: The return code from ATRSIT is in register 3. See the *MVS Programming: Resource Recovery* manual for information about the return code.

00C94400

Explanation: MQSeries received a return code indicating an error from the RRS ATRSPID service.

System Action: The current execution unit terminates with abend X'5C6', and a dump is produced.

Module: CSQIDLMI

System Programmer Response: The return code from ATRSPID is in register 3. See the *MVS Programming: Resource Recovery* manual for information about the return code.

00C94500

Explanation: An internal error has occurred.

Module: CSQISTRT

System Action: The current execution unit terminates with abend code X'5C6', and a dump is produced.

System Programmer Response: Collect the items listed in the Problem Determination section and contact your IBM support center.

Problem Determination: Collect the following diagnostic items:

- A description of the action(s) that led to the abend, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the abend
- MQSeries job log
- The MQSeries active log data set
- System dump resulting from the abend
- CICS transaction dump (if running with CICS)
- The MQSeries, OS/390, CICS, and IMS service levels
- ISPF panel name (if using the MQSeries operations and controls panels)

00C94600

Explanation: A request was made to initiate a new unit of recovery. The current log RBA has reached X'780000000000' which is too close to the highest value that is allowed; therefore no more units of recovery will be initiated, in order to ensure that current units can be completed or backed out before the log RBA reaches the maximum.

Module: CSQP3DWP, CSQP2GET

System Action: The current execution unit terminates with abend code X'5C6', and a dump is not produced.

System Programmer Response: Stop the queue manager immediately and reset the logs. See the *MQSeries for OS/390 System Management Guide* for information about resetting logs, by using the RESETPAGE function of CSQUTIL. Restart your queue manager with new log and BSDS data sets, and new versions of your page sets.

Recovery log manager codes (X'D1')

Recovery log manager diagnostic information

The recovery log manager (RLM) subcomponent of MQSeries provides the following RLM standard diagnostic information in the SYS1.LOGREC variable recording area (VRA) of the system diagnostic work area (SDWA) for many of the reason codes:

MODID	Name of module issuing the abend
LEVEL	Change level
COMPONENT	Subcomponent identifier of recovery log manager
REGISTERS	General purpose registers (GPRs) 0 through 15 at time of abend.

For information about the SDWA, refer to the *MQSeries for OS/390 Problem Determination Guide*.

00D10010

Explanation: The RBAEND value specified on an invocation of the log print utility (CSQ1LOGP) is less than or equal to the RBASTART value.

Module: CSQJRS01

System Action: No abend is issued by the log services CSECT (CSQJRS01), and no information is written to SYS1.LOGREC data set.

System Programmer Response: Correct the RBASTART and RBAEND input control parameters specified in the invocation of the log print utility.

For more information about log services, refer to the *MQSeries for OS/390 System Management Guide*.

00D10011

Explanation: An invocation of the log print utility (CSQ1LOGP) encountered an OS/390 GETMAIN failure when attempting to obtain the storage required to perform the request.

Module: CSQJRS01, CSQJRS03, CSQJRS04

System Action: No abend is issued by the log services CSECT (CSQJRS01), and no information is written to SYS1.LOGREC data set.

System Programmer Response: It is probable that the REGION parameter on the EXEC statement of the user's job control language (JCL) is too small. Increase the REGION size, and resubmit the log print request.

For more information about log services, refer to the *MQSeries for OS/390 System Management Guide*.

00D10012

Explanation: An invocation of the log print utility (CSQ1LOGP) was unsuccessful because the job control language (JCL) for this invocation did not specify either the use of the bootstrap data set (BSDS) or, in the absence of the BSDS, the active or archive log data sets.

Module: CSQJRS01

System Action: No abend is issued by the log services CSECT (CSQJRS01), and no information is written to SYS1.LOGREC data set.

System Programmer Response: Correct the JCL and resubmit the log print request.

For more information about log services, refer to the *MQSeries for OS/390 System Management Guide*.

00D10013

Explanation: An invocation of the log print utility (CSQ1LOGP) resulted in a VSAM error while attempting to open the bootstrap data set (BSDS).

This reason code, and the VSAM return code are issued with message CSQ1221E.

Module: CSQJRS04

System Action: No abend is issued by the log services CSECT (CSQJRS01), and no information is written to SYS1.LOGREC data set.

System Programmer Response: Refer to the *DFSMS/MVS Macro Instructions for Data Sets* to determine the meaning of the VSAM OPEN error. Take appropriate action, and resubmit the log print request.

For more information about log services, refer to the *MQSeries for OS/390 System Management Guide*.

00D10014

Explanation: The job control language (JCL) for an invocation of the log print utility (CSQ1LOGP) specified the use of the bootstrap data set (BSDS), but did not specify values for RBASTART and RBAEND.

The RBASTART and RBAEND values must be specified when using the BSDS, although they are not required when using the active or archive logs.

Module: CSQJRS01

System Action: No abend is issued by the log services CSECT (CSQJRS01), and no information is written to SYS1.LOGREC data set.

System Programmer Response: Either:

- Continue to use the BSDS, but change the JCL to specify values for RBASTART and RBAEND
- Change the JCL to use the active and archive data sets instead

For more information about log services, refer to the *MQSeries for OS/390 System Management Guide*.

00D10015

Explanation: An invocation of the log print utility (CSQ1LOGP) was unsuccessful because the record format of the bootstrap data set is incompatible with this release of the log print services.

Module: CSQJRS04

System Action: No abend is issued by the log services CSECT (CSQJRS01), and no information is written to SYS1.LOGREC data set.

System Programmer Response: Ensure that the correct release of the log print services are used with the appropriate BSDS record format.

For more information about log services, refer to the *MQSeries for OS/390 System Management Guide*.

00D10019

Explanation: An invocation of the log print utility (CSQ1LOGP) resulted in a VSAM error while attempting to open the bootstrap data set (BSDS). The error was determined to be one which could be corrected by use of a VSAM access method services (AMS) VERIFY call, but the VERIFY call was also unsuccessful.

Module: CSQJRS04

System Action: No abend is issued by the log services CSECT (CSQJRS01), and no information is written to SYS1.LOGREC data set.

System Programmer Response: Collect the following items, and contact your IBM support center:

- A copy of the user's job control language (JCL) that was used to invoke the log print utility (CSQ1LOGP)
- The log data sets that the user was attempting to print

For more information about log services, refer to the *MQSeries for OS/390 System Management Guide*.

00D10020

Explanation: The log print utility (CSQ1LOGP) issued this message because the end of data has been reached (that is, the end of the log, or the end of the user-specified data sets, or the user-specified RBAEND value has been reached).

Module: CSQJRS02, CSQJRS03

System Action: No abend is issued by the log services CSECT (CSQJRS01), and no information is written to SYS1.LOGREC data set.

System Programmer Response: This is not an error. This reason code denotes a normal end of data condition. No action is necessary.

For more information about log services, refer to the *MQSeries for OS/390 System Management Guide*.

00D10021

Explanation: An invocation of the log print utility (CSQ1LOGP) encountered a gap in the log RBA range when switching log data sets. This indicates that log records might be missing.

Normally, a continuous set of log records is supplied as input by the ACTIVE and ARCHIVE ddnames (or the BSDS ddname if you are using the bootstrap data set (BSDS) to access the log data sets) in the user's job control language (JCL). If a log data set was removed from the JCL, this condition will arise.

Module: CSQJRS02

System Action: No abend is issued by the log services CSECT (CSQJRS01), and no information is written to SYS1.LOGREC data set.

System Programmer Response: If the log data set was not removed intentionally, check the user's JCL to ensure that the log data sets are specified in ascending RBA value order. If you are using the BSDS to access the log data sets, use the print log map utility (CSQJU004) to examine the RBA ranges as recorded in the BSDS, and note any RBA gaps that might have resulted from the deletion of an active or archive log data set.

If it appears that a log error might have occurred, see the *MQSeries for OS/390 System Management Guide* for information about dealing with problems on the log.

00D10022

Explanation: An invocation of the log print utility (CSQ1LOGP) encountered a gap in the log RBA range when switching log data sets. This indicates that log records might be missing. The log RBA of the next record following the gap is greater than the RBAEND value specified on the user's job control language (JCL).

Normally, a continuous set of log records is supplied as input by the ACTIVE and ARCHIVE ddnames (or the BSDS ddname if using the bootstrap data set (BSDS) to access the log data sets) in the user's JCL. If a log data set was removed from the JCL, this condition will arise.

Module: CSQJRS03, CSQJRS04

System Action: No abend is issued by the log services CSECT (CSQJRS01), and no information is written to SYS1.LOGREC data set.

System Programmer Response: Check the RBAEND value specified in the user's JCL to determine if it is in error.

If a log data set was not removed intentionally, check that the log data sets are specified in ascending RBA value order. If using the BSDS to access log data sets, use the print log map utility (CSQJU004) to examine the RBA ranges as recorded in the BSDS, and note any RBA gaps that might have resulted from the deletion of an active or archive log data set.

If it appears that a log error might have occurred, see the *MQSeries for OS/390 System Management Guide* for information about dealing with problems on the log.

00D10024

Explanation: An invocation of the log print utility (CSQ1LOGP) encountered a log RBA sequence error. The RBA of the previous log record is greater than the RBA of the current log record.

Normally, a continuous set of log records is supplied as input by the ACTIVE and ARCHIVE ddnames (or the BSDS ddname if using the bootstrap data set (BSDS) to access the log data sets) in the user's JCL. If a log data set appears out of sequence, this condition will arise.

Module: CSQJRS03

System Action: No abend is issued by the log services CSECT (CSQJRS01), and no information is written to SYS1.LOGREC data set.

System Programmer Response: Check the user's JCL to ensure that the log data sets are specified in ascending RBA value order. If using the BSDS to access the log data sets, use the print log map utility (CSQJU004) to examine the RBA ranges associated with each archive and active log data set. If both archive and active log data sets are used, the first archive log data set must contain the lowest log RBA value. If necessary, adjust the concatenation of the archive

and active log data sets in the user's JCL to ensure that log records are read in ascending RBA sequence, and resubmit the log print request.

If it appears that a log error might have occurred, see the *MQSeries for OS/390 System Management Guide* for information about dealing with problems on the log.

00D10025

Explanation: An invocation of the log print utility (CSQ1LOGP) resulted in a VSAM GET error while attempting to read the active log data set.

This reason code, and the VSAM return and reason codes are issued in message CSQ1221E.

Module: CSQJRS03

System Action: No abend is issued by the log services CSECT (CSQJRS01), and no information is written to SYS1.LOGREC data set.

System Programmer Response: Refer to the *DFSMS/MVS Macro Instructions for Data Sets* to determine the meaning of the VSAM GET error and the RPL error code. Take appropriate action to correct the error, and resubmit the log print request.

For more information about log services, refer to the *MQSeries for OS/390 System Management Guide*.

00D10026

Explanation: An invocation of the log print utility (CSQ1LOGP) was unsuccessful because an RBA value within the range specified by RBASTART and RBAEND could not be located on a log data set.

This reason code, and the RBA value that could not be located are issued with message CSQ1216E

Module: CSQJRS04

System Action: No abend is issued by the log services CSECT (CSQJRS01), and no information is written to SYS1.LOGREC data set.

System Programmer Response: Check the user's job control language (JCL) to ensure that the RBASTART and RBAEND values have not exceeded the lower or upper bounds of the RBAs available on all the active or archive log data sets defined by ddnames in the user's JCL.

If you are using the BSDS to access the log data sets, use the print log map utility (CSQJU004) to examine the RBA ranges associated with each archive and active log data set.

Correct the user's JCL as necessary, and resubmit the log print request.

For more information about log services, refer to the *MQSeries for OS/390 System Management Guide*.

00D10027

Explanation: An invocation of the log print utility (CSQ1LOGP) resulted in a VSAM GET error while attempting to read the bootstrap data set (BSDS).

This reason code, and the VSAM return and reason codes, are issued with message CSQ1221E.

Module: CSQJRS03

System Action: No abend is issued by the log services CSECT

(CSQJRS01), and no information is written to SYS1.LOGREC data set.

System Programmer Response: Refer to the *DFSMS/MVS Macro Instructions for Data Sets* manual to determine the meaning of the VSAM GET error and the RPL error code. Take appropriate action to correct the error and resubmit the log print request.

For more information about log services, refer to the *MQSeries for OS/390 System Management Guide*.

00D1002A

Explanation: An invocation of the log print utility (CSQ1LOGP) was unsuccessful because an RBA value has been requested in an active log data set that has previously not been opened. A VSAM OPEN error occurred while attempting to open the active log data set.

This reason code, and the VSAM return and reason codes, are issued in message CSQ1221E.

Module: CSQJRS03

System Action: No abend is issued by the log services CSECT (CSQJRS01), and no information is written to SYS1.LOGREC data set.

System Programmer Response: Refer to the *DFSMS/MVS Macro Instructions for Data Sets* manual to determine the meaning of the VSAM OPEN error and the ACB error code. Take appropriate action to correct the error, and resubmit the log print request.

For more information about log services, refer to the *MQSeries for OS/390 System Management Guide*.

00D1002B

Explanation: An invocation of the log print utility (CSQ1LOGP) was unsuccessful because an RBA value has been requested in an active log data set that has previously not been opened. A VSAM OPEN error occurred while attempting to open the active log data set. The VSAM OPEN error was determined to be one that could be corrected, however, a system error occurred while executing an OS/390 TESTCB macro to determine whether the active log data set in question was a VSAM ESDS (entry-sequenced data set) or a VSAM LDS (linear data set).

This reason code, and the VSAM return and reason codes are issued in message CSQ1221E.

Module: CSQJRS03

System Action: No abend is issued by the log services CSECT (CSQJRS01), and no information is written to SYS1.LOGREC data set.

System Programmer Response: Refer to the *DFSMS/MVS Macro Instructions for Data Sets* manual to determine the meaning of the VSAM OPEN error and the ACB error code. Take appropriate action to correct the error, and resubmit the log print request.

If the problem persists, collect the following items, and contact your IBM support center:

- A copy of the user's job control language (JCL) used to invoke the log print utility (CSQ1LOGP)
- The log data sets that the user was attempting to print

For more information about log services, refer to the *MQSeries for OS/390 System Management Guide*.

00D1002C

Explanation: An invocation of the log print utility (CSQ1LOGP) was unsuccessful because an RBA value has been requested in a active log data set that has previously not been opened. A VSAM OPEN error occurred while attempting to open the active log data set. The VSAM OPEN error was determined to be one which could be corrected by use of a VSAM access method services (AMS) VERIFY call, but the VERIFY call was unsuccessful.

This reason code, and the VSAM return and reason codes are issued with message CSQ1221E.

Module: CSQJRS03

System Action: No abend is issued by the log services CSECT (CSQJRS01), and no information is written to SYS1.LOGREC data set.

System Programmer Response: Refer to the *DFSMS/MVS Macro Instructions for Data Sets* manual to determine the meaning of the VSAM OPEN error and the ACB error code. Take appropriate action to correct the error, and resubmit the log print request.

For more information about log services, refer to the *MQSeries for OS/390 System Management Guide*.

00D1002D

Explanation: An invocation of the log print utility (CSQ1LOGP) was unsuccessful because an RBA value has been requested in an active log data set that has previously not been opened. A VSAM OPEN error occurred while attempting to open the active log data set. The VSAM OPEN error was corrected by use of a VSAM access method services (AMS) VERIFY call, but a subsequent attempt to reposition the VSAM pointer back to the beginning of the active log data set (using the VSAM AMS POINT call) was unsuccessful.

This reason code and the VSAM return and reason codes are issued with message CSQ1221E.

Module: CSQJRS03

System Action: No abend is issued by the log services CSECT (CSQJRS01), and no information is written to SYS1.LOGREC data set.

System Programmer Response: Refer to the *DFSMS/MVS Macro Instructions for Data Sets* manual to determine the meaning of the VSAM OPEN error and the ACB error code. Take the appropriate action to correct the error, and resubmit the print log request.

For more information about log services, refer to the *MQSeries for OS/390 System Management Guide*.

00D10030

Explanation: An invocation of the log print utility resulted in an internal error.

Module: CSQJRS01

System Action: No abend is issued by the log services CSECT (CSQJRS01), and no information is written to SYS1.LOGREC data set.

System Programmer Response: Collect the following items, and contact your IBM support center:

- A copy of the user's job control language (JCL) used to invoke the log print utility
 - The log data sets that the user was attempting to print
-

00D10031

Explanation: An invocation of the log print utility (CSQ1LOGP) was unsuccessful because an RBA value has been requested in a log data set that has previously not been opened. The user's job control language (JCL) has specified that the bootstrap data set (BSDS) be used as the guide to determine which data sets are required. An attempt to allocate the appropriate data set dynamically (using OS/390 SVC 99) was unsuccessful.

This reason code, and the dynamic allocation information and error codes (S99INFO and S99ERROR) are issued with message CSQ1222E.

Module: CSQJRS05

System Action: No abend is issued by the log services CSECT (CSQJRS01), and no information is written to SYS1.LOGREC data set.

System Programmer Response: Refer to the *MVS Authorized Assembler Services Guide* manual to determine the meaning of the SVC 99 information and error codes. Take the appropriate action to correct the error, and resubmit the log print request.

For more information about log services, refer to the *MQSeries for OS/390 System Management Guide*.

00D10040

Explanation: An invocation of the log print utility (CSQ1LOGP) was unsuccessful because an RBA value has been requested in an archive log data set (on tape) that has previously not been opened. An attempt was made to open the second file on the archive log tape (the first file normally contains the bootstrap data set) but this was unsuccessful because the archive log data set was not the second file on the archive log tape. The read job file control block (RDJFCB) macro was then invoked to attempt to change the data set sequence number from the default value of 2 to a value of 1, before attempting to open the second file again, but the macro invocation resulted in an error.

This reason code, and the RDJFCB return code are issued in message CSQ1223E.

Module: CSQJRS03

System Action: No abend is issued by the log services CSECT (CSQJRS01), and no information is written to SYS1.LOGREC data set.

System Programmer Response: Refer to the *MVS/ESA DFP System Programming Reference* manual to determine the meaning of the RDJFCB error code. Take the appropriate action to correct the error, and resubmit the log print request.

For more information about log services, refer to the *MQSeries for OS/390 System Management Guide*.

00D10044

Explanation: An invocation of the log print utility (CSQ1LOGP) was unsuccessful because an RBA value has been requested in an archive log data set that has previously not been opened. An attempt to open the archive log data set resulted in a QSAM (queued sequential access method) error.

Module: CSQJRS03

System Action: No abend is issued by the log services CSECT (CSQJRS01), and no information is written to SYS1.LOGREC data set.

System Programmer Response: Check the console for messages indicating the cause of the QSAM error. Take the appropriate action to correct the error, and resubmit the log print request.

For more information about log services, refer to the *MQSeries for OS/390 System Management Guide*.

00D10048

Explanation: An invocation of the log print utility (CSQ1LOGP) was unsuccessful because a QSAM (queued sequential access method) GET error occurred while reading an archive log data set.

Module: CSQJRS03

System Action: No abend is issued by the log services CSECT (CSQJRS01), and no information is written to SYS1.LOGREC data set.

System Programmer Response: Check the console for messages indicating the cause of the QSAM error. Take the appropriate action to correct the error, and resubmit the log print request.

For more information about log services, refer to the *MQSeries for OS/390 System Management Guide*.

00D10050

Explanation: An invocation of the log print utility (CSQ1LOGP) was unsuccessful because the bootstrap data set (BSDS) was erroneously specified as one of the ARCHIVE data sets in the user's job control language (JCL).

Module: CSQJRS03

System Action: No abend is issued by the log services CSECT (CSQJRS01), and no information is written to SYS1.LOGREC data set.

System Programmer Response: Examine the user's JCL, and remove the occurrence of the BSDS data set as one of the concatenated ARCHIVE data sets. Resubmit the log print request.

For more information about log services, refer to the *MQSeries for OS/390 System Management Guide*.

00D10061

Explanation: An invocation of the log print utility (CSQ1LOGP) succeeded, but an unexpected physical record length was encountered for the log record control interval (CI) for an active or archive log data set.

The data on the log data set might have been corrupted after it was written by the MQSeries subsystem. The data in the log data set might still be usable, but with caution.

The length of a log CI in an active log data set is expected to be 4089 bytes. The length of a log CI in an archive log data set is expected to be 4096 bytes.

Module: CSQJRS03

System Action: No abend is issued by the log services CSECT (CSQJRS01), and no information is written to SYS1.LOGREC data set. The log print request has completed. This reason code is issued as a warning.

System Programmer Response: Ensure that the active and archive ddnames in the user's job control language (JCL) refer to active and archive logs correctly.

If you suspect that the data in the log data set was created incorrectly by MQSeries, collect the following items, and contact your IBM support center:

- A copy of the user's job control language (JCL) used to invoke the log print utility (CSQ1LOGP)

- The log data set that the user was trying to print

For more information about log services, refer to the *MQSeries for OS/390 System Management Guide*.

00D10062

Explanation: An invocation of the log print utility (CSQ1LOGP) succeeded, but the first log record segment could not be found for a middle spanned log record segment.

Module: CSQJRS02

System Action: No abend is issued by the log services CSECT (CSQJRS01), and no information is written to SYS1.LOGREC data set. The log print request has completed. This reason code is issued as a warning.

System Programmer Response: Several possibilities exist for the cause of this condition:

- The recovery log manager component of MQSeries did not originally construct the log record header (LRH) properly
- The LRH for the log record segment was damaged after it was written by the MQSeries subsystem
- The application program continued to process after being informed about a gap in the log RBA values (reason code 00D10021)

Determine if the LRH of the log record segment is truly in error by looking at the record segments directly preceding and after the record segment in question.

Take the appropriate action to correct the error, and resubmit the log print request. If you suspect that the data in the log data set has been created incorrectly by MQSeries, collect the following items, and contact your IBM support center:

- A copy of the user's job control language (JCL) used to invoke the log print utility (CSQ1LOGP)
- The log data set that the user was attempting to print

For more information about log services, refer to the *MQSeries for OS/390 System Management Guide*.

00D10063

Explanation: An invocation of the log print utility (CSQ1LOGP) succeeded, but the first log record segment could not be found for a last spanned log record segment.

Module: CSQJRS02

System Action: No abend is issued by the log services CSECT (CSQJRS01), and no information is written to SYS1.LOGREC data set. The log print request has completed. This reason code is issued as a warning.

System Programmer Response: Several possibilities exist for the cause of this condition:

- The recovery log manager component of MQSeries did not originally construct the log record header (LRH) properly
- The LRH for the log record segment was damaged after it was written by the MQSeries subsystem
- The application program continued to process after being informed about a gap in the log RBA values (reason code 00D10021)

Determine if the LRH of the log record segment is truly in error by looking at the record segments directly preceding and after the record segment in question.

00D10210 • 00D10231

Take the appropriate action to correct the error, and resubmit the log print request. If you suspect that the data in the log data set has been created incorrectly by MQSeries, collect the following items, and contact your IBM support center:

- A copy of the user's job control language (JCL) used to invoke the log print utility (CSQ1LOGP)
- The log data set that the user was attempting to print

For more information about log services, refer to the *MQSeries for OS/390 System Management Guide*.

00D10210

Explanation: An internal error has occurred.

Module: CSQJW002

System Action: An execution unit writes a record to SYS1.LOGREC and requests an SVC dump. The execution unit then terminates abnormally.

System Programmer Response: Obtain the SYS1.LOGREC and the SVC dump.

Problem Determination: For information about the standard diagnostic information provided by this component, refer to "Recovery log manager diagnostic information" on page 225. Collect this information, and the following items, and contact your IBM support center:

- System dump
- Printout of SYS1.LOGREC
- Contents of the BSDS

00D10220

Explanation: An internal error has occurred.

Module: CSQJW001

System Action: An execution unit writes a record to SYS1.LOGREC and requests an SVC dump. The execution unit then terminates abnormally.

System Programmer Response: Obtain the SYS1.LOGREC and the SVC dump.

Problem Determination: For information about the standard diagnostic information provided by this component, refer to "Recovery log manager diagnostic information" on page 225. Collect this information, and the following items, and contact your IBM support center:

- System dump
- Printout of SYS1.LOGREC
- Contents of the BSDS

00D10221

Explanation: An internal error has occurred.

Module: CSQJW001

System Action: An execution unit writes a record to SYS1.LOGREC and requests an SVC dump. The execution unit then terminates abnormally.

System Programmer Response: Obtain the SYS1.LOGREC and the SVC dump.

Problem Determination: For information about the standard diagnostic information provided by this component, refer to "Recovery log manager diagnostic information" on page 225.

Collect this information, and the following items, and contact your IBM support center:

- System dump
- Printout of SYS1.LOGREC
- Contents of the BSDS

00D10222

Explanation: An internal error has occurred.

Module: CSQJW001

System Action: An execution unit writes a record SYS1.LOGREC and requests an SVC dump. The execution unit then terminates abnormally.

System Programmer Response: Obtain the SYS1.LOGREC and the SVC dump.

Problem Determination: For information about the standard diagnostic information provided by this component, refer to "Recovery log manager diagnostic information" on page 225. Collect this information, and the following items, and contact your IBM support center:

- System dump
- Printout of SYS1.LOGREC
- Contents of the BSDS

00D10230

Explanation: An internal error has occurred.

Module: CSQJW004

System Action: An execution unit writes a record to SYS1.LOGREC and requests an SVC dump. The execution unit then terminates abnormally.

System Programmer Response: Obtain the SYS1.LOGREC and the SVC dump.

Problem Determination: For information about the standard diagnostic information provided by this component, refer to "Recovery log manager diagnostic information" on page 225. Collect this information, and the following items, and contact your IBM support center:

- System dump
- Printout of SYS1.LOGREC
- Contents of the BSDS

00D10231

Explanation: An internal error has occurred.

Module: CSQJW004

System Action: An execution unit writes a record to SYS1.LOGREC and requests an SVC dump. The execution unit then terminates abnormally.

System Programmer Response: Obtain the SYS1.LOGREC and the SVC dump.

Problem Determination: For information about the standard diagnostic information provided by this component, refer to "Recovery log manager diagnostic information" on page 225. Collect this information, and the following items, and contact your IBM support center:

- System dump
- Printout of SYS1.LOGREC
- Contents of the BSDS

00D10240

Explanation: An internal error has occurred.

Module: CSQJW002

System Action: An execution unit writes a record to SYS1.LOGREC and requests an SVC dump. The execution unit then terminates abnormally.

System Programmer Response: Obtain the SYS1.LOGREC and the SVC dump.

Problem Determination: For information about the standard diagnostic information provided by this component, refer to "Recovery log manager diagnostic information" on page 225. Collect this information, and the following items, and contact your IBM support center:

- System dump
- Printout of SYS1.LOGREC
- Contents of the BSDS

00D10250

Explanation: An unrecoverable error occurred while updating either the BSDS or the OS/390 catalog to reflect changes in active log data sets.

Module: CSQJW307

System Action: An execution unit writes a record to SYS1.LOGREC and requests an SVC dump. MQSeries then terminates abnormally.

System Programmer Response: Obtain the SYS1.LOGREC and SVC dump. Correct the error, and restart MQSeries.

Problem Determination: For information about the standard diagnostic information provided by this component, refer to "Recovery log manager diagnostic information" on page 225. In addition, see the description of abend reason code 00D10252 for details of the information recorded in the variable recording area (VRA) of the system diagnostic work area (SDWA). If you suspect an error in MQSeries, see the *MQSeries for OS/390 Problem Determination Guide* for information on identifying and reporting the problem.

Examine the console log for a CSQJxxxx message preceding this abend to determine whether the error was a BSDS error or an OS/390 catalog update error.

You might find the following items useful in resolving the problem:

- Console output
- System dump
- Printout of SYS1.LOGREC
- Contents of the BSDS

00D10251

Explanation: An unrecoverable error occurred in the log buffer writer.

Module: CSQJW008

System Action: An execution unit writes a record to SYS1.LOGREC and requests an SVC dump. MQSeries then terminates abnormally.

System Programmer Response: Obtain the SYS1.LOGREC and the SVC dump.

This error is usually caused by a previous error that was recorded on SYS1.LOGREC and produced an SVC dump. The SYS1.LOGREC

entries and SVC dump should be examined to determine the primary error that occurred.

Problem Determination: For information about the standard diagnostic information provided by this component, refer to "Recovery log manager diagnostic information" on page 225. In addition, see the description of abend reason code 00D10252 for details of the information recorded in the variable recording area (VRA) of the system diagnostic work area (SDWA). If you suspect an error in MQSeries, see the *MQSeries for OS/390 Problem Determination Guide* for information on identifying and reporting the problem.

You might find the following items useful in resolving the problem:

- Console output
- System dump
- Printout of SYS1.LOGREC
- Contents of the BSDS

00D10252

Explanation: This abend reason code is used to define the format of the information recorded in the variable recording area (VRA) of the system diagnostic work area (SDWA).

Module: CSQJW008

System Action: An execution unit writes a record to SYS1.LOGREC and requests an SVC dump.

System Programmer Response: Obtain the SYS1.LOGREC and SVC dump.

Problem Determination: For information about the standard diagnostic information provided by this component, refer to "Recovery log manager diagnostic information" on page 225. In addition, the following information is contained in the VRA of the SDWA:

- Reason code 00D10252 stored with VRA key 6.
- The log buffer writer recovery tracking area is stored with VRA key 10.

For information about finding the SDWA, and VRA keys, see the *MQSeries for OS/390 Problem Determination Guide*.

You might find the following items useful in resolving the problem:

- System dump
- Printout of SYS1.LOGREC.

00D10253

Explanation: An application program check occurred in an MVCP instruction that attempted to move a parameter list or other data from the caller's address space to the MQSeries address space.

Module: CSQJR001, CSQJW001, CSQJW002

System Action: An execution unit writes a record to SYS1.LOGREC and requests an SVC dump.

System Programmer Response: Obtain the SYS1.LOGREC and SVC dump. Examine the area from which data was to be moved. It might be in the wrong key, or the address might be the cause of the problem. The incorrect instruction has a DA opcode and indicates the registers showing address and length to be moved.

Problem Determination: For information about the standard diagnostic information provided by this component, refer to "Recovery log manager diagnostic information" on page 225.

You might find the following items useful in resolving the problem:

- Printout of SYS1.LOGREC
- Contents of the BSDS

00D10254

Explanation: An application program check occurred in an MVCS instruction that attempted to move data from the MQSeries address space to the caller's address space.

Module: CSQJR103

System Action: An execution unit writes a record to SYS1.LOGREC and requests an SVC dump.

System Programmer Response: Obtain the SYS1.LOGREC and SVC dump. Examine the area to which data was to be moved. It might be in the wrong key, or the address might be the cause of the problem. The incorrect instruction has a DB opcode and indicates the registers showing address and length to be moved.

Problem Determination: For information about the standard diagnostic information provided by this component, refer to "Recovery log manager diagnostic information" on page 225.

You might find the following items useful in resolving the problem:

- Printout of SYS1.LOGREC
- Contents of the BSDS

00D10255

Explanation: An internal error has occurred.

Module: CSQJRE08, CSQJW206

System Action: An execution unit writes a record to SYS1.LOGREC and requests an SVC dump. The MQSeries subsystem then terminates to avoid leaving the execution unit in a state of indefinite suspension.

Operator Response: Restart MQSeries.

System Programmer Response: For information about the standard diagnostic information provided by this component, refer to "Recovery log manager diagnostic information" on page 225. Collect this information, and the following items, and contact your IBM support center:

- Printout of SYS1.LOGREC
- Contents of the BSDS

00D10261

Explanation: While scanning the records and record segments in a log control interval (CI), it was discovered that the forward record chain was broken. This condition is the result of an incorrect record length in the log record header of some record in the log CI.

Module: CSQJOFF1, CSQJRS01, CSQJR005, CSQJW009, CSQJW107

System Action: This reason code can be issued by an active MQSeries subsystem as the log buffers are scanned before they are written to the active log, or by the MQSeries log services GET processor as a CI is retrieved from a user-specified active or archive log data set.

If the reason code is issued by an active MQSeries subsystem, an abend is issued. A diagnostic record is written to SYS1.LOGREC, and an SVC dump is requested.

- If the error was detected by CSQJOFF1, the archiving of the active log data set is terminated and the faulty active log data set is marked 'stopped'
- If the error was detected by CSQJR005, message CSQJ012E is issued and the calling agent is terminated
- If the error was detected by CSQJW009, message CSQJ012E is issued and the MQSeries subsystem is terminated

- If the error was detected by CSQJW107, the MQSeries subsystem is terminated

If this reason code is issued as the result of MQSeries log services GET processing, no abend is issued and no information is written to the SYS1.LOGREC data set.

System Programmer Response: If the reason code is issued by an active MQSeries subsystem, obtain the SYS1.LOGREC and the SVC dump.

Problem Determination:

- For information about the standard diagnostic information provided by this component, refer to "Recovery log manager diagnostic information" on page 225
- For information about dealing with problems on the log, see the *MQSeries for OS/390 System Management Guide*
- Obtain a CSQ1LOGP detail report containing the log records associated with the problem

If you are unable to solve the problem, collect the items listed above, and the following, and contact your IBM support center:

- System dump
- Printout of SYS1.LOGREC
- Contents of the BSDS

00D10262

Explanation: While scanning a log control interval (CI), the offset to the last record or record segment in the CI was found to be incorrect.

Module: CSQJOFF1, CSQJRS01, CSQJR005, CSQJW009, CSQJW107

System Action: This reason code can be issued by an active MQSeries subsystem as the log buffers are scanned before they are written to the active log, or by the MQSeries log services GET processor as a CI is retrieved from a user-specified active or archive log data set.

If the reason code is issued by an active MQSeries subsystem, an abend is issued. A diagnostic record is written to SYS1.LOGREC, and an SVC dump is requested.

- If the error was detected by CSQJOFF1, the archiving of the active log data set is terminated and the faulty active log data set is marked 'stopped'
- If the error was detected by CSQJR005, message CSQJ012E is issued and the calling agent is terminated
- If the error was detected by CSQJW009, message CSQJ012E is issued and the MQSeries subsystem is terminated
- If the error was detected by CSQJW107, the MQSeries subsystem is terminated

If this reason code is issued as the result of MQSeries log services GET processing, no abend is issued, and no information is written to the SYS1.LOGREC data set.

System Programmer Response: If the reason code is issued by an active MQSeries subsystem, obtain the SYS1.LOGREC and the SVC dump.

Problem Determination: If the reason code is issued by an active MQSeries subsystem:

- For information about the standard diagnostic information provided by this component, refer to "Recovery log manager diagnostic information" on page 225
- For information about dealing with problems on the log, see the *MQSeries for OS/390 System Management Guide*

- Obtain a CSQ1LOGP detail report containing the log records associated with the problem

If you are unable to solve the problem, collect the items listed above, and the following, and contact your IBM support center:

- System dump
- Printout of SYS1.LOGREC
- Contents of the BSDS

00D10263

Explanation: While scanning a log control interval (CI), the VSAM RDF/CIDF control information was found to be incorrect.

Module: CSQJOFF1, CSQJRS01, CSQJR005, CSQJW009, CSQJW107

System Action: This reason code can be issued by an active MQSeries subsystem as the log buffers are scanned before they are written to the active log, or by the MQSeries log services GET processor as a CI is retrieved from a user-specified active or archive log data set.

If the reason code is issued by an active MQSeries subsystem, an abend is issued. A diagnostic record is written to SYS1.LOGREC, and an SVC dump is requested.

- If the error was detected by CSQJOFF1, the archiving of the active log data set is terminated and the faulty active log data set is marked 'stopped'
- If the error was detected by CSQJR005, message CSQJ012E is issued and the calling agent is terminated
- If the error was detected by CSQJW009, message CSQJ012E is issued and the MQSeries subsystem is terminated
- If the error was detected by CSQJW107, the MQSeries subsystem is terminated

If this reason code is issued as the result of MQSeries log services GET processing, no abend is issued, and no information is written to the SYS1.LOGREC data set.

System Programmer Response: If the reason code is issued by an active MQSeries subsystem, obtain the SYS1.LOGREC and the SVC dump.

Problem Determination: If the reason code is issued by an active MQSeries subsystem:

- For information about the standard diagnostic information provided by this component, refer to "Recovery log manager diagnostic information" on page 225
- For information about dealing with problems on the log see the *MQSeries for OS/390 System Management Guide*
- Obtain a CSQ1LOGP detail report containing the log records associated with the problem

If you are unable to solve the problem, collect the items listed above, and the following, and contact your IBM support center:

- System dump
- Printout of SYS1.LOGREC
- Contents of the BSDS

00D10264

Explanation: While scanning a log control interval (CI), the beginning log RBA of the CI was not the expected RBA.

Module: CSQJOFF1, CSQJRS01, CSQJR005, CSQJW009, CSQJW107

System Action: This reason code can be issued by an active MQSeries subsystem as the log buffers are scanned before they are written to the active log, or by the MQSeries log services GET processor as a CI is retrieved from a user-specified active or archive log data set.

If the reason code is issued by an active MQSeries subsystem, an abend is issued. A diagnostic record is written to SYS1.LOGREC, and an SVC dump is requested.

- If the error was detected by CSQJOFF1, the archiving of the active log data set is terminated and the faulty active log data set is marked 'stopped'
- If the error was detected by CSQJR005, message CSQJ012E is issued and the calling agent is terminated
- If the error was detected by CSQJW009, message CSQJ012E is issued and the MQSeries subsystem is terminated
- If the error was detected by CSQJW107, the MQSeries subsystem is terminated

If this reason code is issued as the result of MQSeries log services GET processing, no abend is issued, and no information is written to the SYS1.LOGREC data set.

System Programmer Response: If the reason code is issued by an active MQSeries subsystem, obtain the SYS1.LOGREC and the SVC dump.

Problem Determination: If the reason code is issued by an active MQSeries subsystem:

- For information about the standard diagnostic information provided by this component, refer to "Recovery log manager diagnostic information" on page 225
- For information about dealing with problems on the log, see the *MQSeries for OS/390 System Management Guide*
- Obtain a CSQ1LOGP detail report containing the log records associated with the problem

If you are unable to solve the problem, collect the items listed above, and the following, and contact your IBM support center:

- System dump
- Printout of SYS1.LOGREC
- Contents of the BSDS

00D10265

Explanation: While scanning the records and record segments in a log control interval (CI), it was discovered that the backward record chain was broken. This condition is the result of an incorrect record length in the log record header of some record in the log CI.

Module: CSQJOFF1, CSQJRS01, CSQJR005, CSQJW009, CSQJW107

System Action: This reason code can be issued by an active MQSeries subsystem as the log buffers are scanned before they are written to the active log, or by the MQSeries log services GET processor as a CI is retrieved from a user-specified active or archive log data set.

If the reason code is issued by an active MQSeries subsystem, an abend is issued. A diagnostic record is written to SYS1.LOGREC, and an SVC dump is requested.

- If the error was detected by CSQJOFF1, the archiving of the active log data set is terminated
- If the error was detected by CSQJR005, message CSQJ012E is issued and the calling agent is terminated
- If the error was detected by CSQJW009, message CSQJ012E is issued and the MQSeries subsystem is terminated
- If the error was detected by CSQJW107, the MQSeries subsystem is terminated

If this reason code is issued as the result of MQSeries log services GET processing, no abend is issued, and no information is written to SYS1.LOGREC data set.

System Programmer Response: If the reason code is issued by an active MQSeries subsystem, obtain the SYS1.LOGREC and the SVC dump.

Problem Determination: If the reason code is issued by an active MQSeries subsystem:

- For information about the standard diagnostic information provided by this component, refer to "Recovery log manager diagnostic information" on page 225
- For information about dealing with problems on the log, see the *MQSeries for OS/390 System Management Guide*
- Obtain a CSQ1LOGP detail report containing the log records associated with the problem

If you are unable to solve the problem, collect the items listed above, and the following, and contact your IBM support center:

- System dump
- Printout of SYS1.LOGREC
- Contents of the BSDS

00D10266

Explanation: While scanning a log control interval (CI), a unit of recovery ID or LINK RBA in some record was found to be inconsistent with the beginning log RBA of the CI.

Module: CSQJOFF1, CSQJRS01, CSQJR005, CSQJW009, CSQJW107

System Action: This reason code can be issued by an active MQSeries subsystem as the log buffers are scanned before they are written to the active log, or by the MQSeries log services GET processor as a CI is retrieved from a user-specified active or archive log data set.

If the reason code is issued by an active MQSeries subsystem, an abend is issued. A diagnostic record is written to SYS1.LOGREC, and an SVC dump is requested.

- If the error was detected by CSQJOFF1, the archiving of the active log data set is terminated and the faulty active log data set is marked 'stopped'
- If the error was detected by CSQJR005, message CSQJ012E is issued and the calling agent is terminated
- If the error was detected by CSQJW009, message CSQJ012E is issued and the MQSeries subsystem is terminated
- If the error was detected by CSQJW107, the MQSeries subsystem is terminated

If this reason code is issued as the result of MQSeries log services GET processing, no abend is issued, and no information is written to SYS1.LOGREC data set.

System Programmer Response: If the reason code is issued by an active MQSeries subsystem, obtain the SYS1.LOGREC and the SVC dump.

Problem Determination: If the reason code is issued by an active MQSeries subsystem:

- For information about the standard diagnostic information provided by this component, refer to "Recovery log manager diagnostic information" on page 225
- For information about dealing with problems on the log, see the *MQSeries for OS/390 System Management Guide*
- Obtain a CSQ1LOGP detail report containing the log records associated with the problem

If you are unable to solve the problem, collect the items listed above, and the following, and contact your IBM support center:

- System dump
- Printout of SYS1.LOGREC
- Contents of the BSDS

00D10267

Explanation: While scanning a log control interval (CI), a middle or last spanned record segment was not the first segment contained in the log CI.

Module: CSQJOFF1, CSQJRS01, CSQJR005, CSQJW009, CSQJW107

System Action: This reason code can be issued by an active MQSeries subsystem because the log buffers are scanned before they are written to the active log, or by the MQSeries log services GET processor because a CI is retrieved from a user-specified active or archive log data set.

If the reason code is issued by an active MQSeries subsystem, an abend is issued. A diagnostic record is written to SYS1.LOGREC, and an SVC dump is requested.

- If the error was detected by CSQJOFF1, the archiving of the active log data set is terminated and the faulty active log data set is marked 'stopped'
- If the error was detected by CSQJR005, message CSQJ012E is issued and the calling agent is terminated
- If the error was detected by CSQJW009, message CSQJ012E is issued and the MQSeries subsystem is terminated
- If the error was detected by CSQJW107, the MQSeries subsystem is terminated

If this reason code is issued as the result of MQSeries log services GET processing, no abend is issued, and no information is written to the SYS1.LOGREC data set.

System Programmer Response: If the reason code is issued by an active MQSeries subsystem, obtain the SYS1.LOGREC and the SVC dump.

Problem Determination: If the reason code is issued by an active MQSeries subsystem:

- For information about the standard diagnostic information provided by this component, refer to "Recovery log manager diagnostic information" on page 225
- For information about dealing with problems on the log, see the *MQSeries for OS/390 System Management Guide*
- Obtain a CSQ1LOGP detail report containing the log records associated with the problem

If you are unable to solve the problem, collect the items listed above, and the following, and contact your IBM support center:

- System dump
- Printout of SYS1.LOGREC
- Contents of the BSDS

00D10268

Explanation: While scanning a log control interval (CI), a first or middle spanned record segment was not the last segment contained in the log CI.

Module: CSQJOFF1, CSQJRS01, CSQJR005, CSQJW009, CSQJW107

System Action: This reason code can be issued by an active MQSeries subsystem as the log buffers are scanned before they are written to the active log, or by the MQSeries log services GET processor as a CI is retrieved from a user-specified active or archive log data set.

If the reason code is issued by an active MQSeries subsystem, then an abend is issued. A diagnostic record is written to SYS1.LOGREC, and an SVC dump is requested.

- If the error was detected by CSQJOFF1, the archiving of the active log data set is terminated and the faulty active log data set is marked 'stopped'
- If the error was detected by CSQJR005, message CSQJ012E is issued and the calling agent is terminated
- If the error was detected by CSQJW009, message CSQJ012E is issued and the MQSeries subsystem is terminated
- If the error was detected by CSQJW107, the MQSeries subsystem is terminated

If this reason code is issued as the result of MQSeries log services GET processing, no abend is issued, and no information is written to the SYS1.LOGREC data set.

System Programmer Response: If the reason code is issued by an active MQSeries subsystem, obtain the SYS1.LOGREC and the SVC dump.

Problem Determination: If the reason code is issued by an active MQSeries subsystem:

- For information about the standard diagnostic information provided by this component, refer to "Recovery log manager diagnostic information" on page 225
- For information about dealing with problems on the log, see the *MQSeries for OS/390 System Management Guide*
- Obtain a CSQ1LOGP detail report containing the log records associated with the problem

If you are unable to solve the problem, collect the items listed above, and the following, and contact your IBM support center:

- System dump
- Printout of SYS1.LOGREC
- Contents of the BSDS

00D10269

Explanation: An unrecoverable error was found in one of the buffers, while moving the current log buffer to the static write buffer in preparation for the physical write to the active log. See the *MQSeries for OS/390 System Management Guide* for information about dealing with problems on the log.

Module: CSQJW107

System Action: An execution unit writes a record to SYS1.LOGREC and requests an SVC dump. The subsystem then terminates.

System Programmer Response: Obtain the SYS1.LOGREC and the SVC dump. See the *MQSeries for OS/390 Problem Determination Guide* for information about using dumps for problem determination.

For information about the standard diagnostic information provided by this component, refer to "Recovery log manager diagnostic information" on page 225.

You might find the following items useful in resolving the problem:

- Console output
- System dump
- Printout of SYS1.LOGREC
- Contents of the BSDS

00D10301

Explanation: An internal error has occurred.

Module: CSQJR001

System Action: An execution unit writes a record to SYS1.LOGREC and requests an SVC dump. The execution unit then terminates abnormally.

System Programmer Response: Obtain the SYS1.LOGREC and SVC dump.

For information about the standard diagnostic information provided by this component, refer to "Recovery log manager diagnostic information" on page 225. Note these values, collect the following items, and contact your IBM support center:

- System dump
- Printout of SYS1.LOGREC
- Contents of the BSDS

00D10302

Explanation: An internal error has occurred.

Module: CSQJR001

System Action: An execution unit writes a record to SYS1.LOGREC and requests an SVC dump. The execution unit then terminates abnormally.

System Programmer Response: Obtain the SYS1.LOGREC and the SVC dump.

For information about the standard diagnostic information provided by this component, refer to "Recovery log manager diagnostic information" on page 225. Note these values, collect the following items, and contact your IBM support center:

- System dump
- Printout of SYS1.LOGREC
- Contents of the BSDS

00D10303

Explanation: An internal error has occurred.

Module: CSQJR001

System Action: An execution unit writes a record to SYS1.LOGREC and requests an SVC dump. The execution unit then terminates abnormally.

System Programmer Response: Obtain the SYS1.LOGREC and the SVC dump.

For information about the standard diagnostic information provided by this component, refer to "Recovery log manager diagnostic information" on page 225. Note these values, collect the following items, and contact your IBM support center:

- System dump
- Printout of SYS1.LOGREC
- Contents of the BSDS

00D10310

Explanation: An internal error has occurred.

Module: CSQJR001

System Action: An execution unit writes a record to SYS1.LOGREC and requests an SVC dump. The execution unit then terminates abnormally.

System Programmer Response: Obtain the SYS1.LOGREC and the SVC dump.

For information about the standard diagnostic information provided by this component, refer to "Recovery log manager diagnostic information" on page 225. Note these values, collect the following items, and contact your IBM support center:

- System dump
- Printout of SYS1.LOGREC
- Contents of the BSDS

00D10311

Explanation: An internal error has occurred.

Module: CSQJR001

System Action: An execution unit writes a record to SYS1.LOGREC and requests an SVC dump. The execution unit then terminates abnormally.

System Programmer Response: Obtain the SYS1.LOGREC and the SVC dump.

For information about the standard diagnostic information provided by this component, refer to "Recovery log manager diagnostic information" on page 225. Note these values, collect the following items, and contact your IBM support center:

- System dump
- Printout of SYS1.LOGREC
- Contents of the BSDS

00D10312

Explanation: An internal error has occurred.

Module: CSQJR001

System Action: An execution unit writes a record to SYS1.LOGREC and requests an SVC dump. The execution unit then terminates abnormally.

System Programmer Response: Obtain the SYS1.LOGREC and the SVC dump.

For information about the standard diagnostic information provided by this component, refer to "Recovery log manager diagnostic information" on page 225. Note these values, collect the following items, and contact your IBM support center:

- System dump
- Printout of SYS1.LOGREC
- Contents of the BSDS

00D10322

Explanation: An internal error has occurred.

Module: CSQJR003

System Action: An execution unit writes a record to SYS1.LOGREC and requests an SVC dump. The execution unit then terminates abnormally.

System Programmer Response: Obtain the SYS1.LOGREC and the SVC dump.

For information about the standard diagnostic information provided by this component, refer to "Recovery log manager diagnostic information" on page 225. Note these values, collect the following items, and contact your IBM support center:

- System dump
- Printout of SYS1.LOGREC
- Contents of the BSDS

00D10323

Explanation: An internal error has occurred.

Module: CSQJR003

System Action: An execution unit writes a record to SYS1.LOGREC and requests an SVC dump. The execution unit then terminates abnormally.

System Programmer Response: Obtain the SYS1.LOGREC and the SVC dump.

For information about the standard diagnostic information provided by this component, refer to "Recovery log manager diagnostic information" on page 225. Note these values, collect the following items, and contact your IBM support center:

- System dump
- Printout of SYS1.LOGREC
- Contents of the BSDS

00D10324

Explanation: An internal error has occurred.

Module: CSQJR003

System Action: An execution unit writes a record to SYS1.LOGREC and requests an SVC dump. The execution unit then terminates abnormally.

System Programmer Response: Obtain the SYS1.LOGREC and the SVC dump.

For information about the standard diagnostic information provided by this component, refer to "Recovery log manager diagnostic information" on page 225. Note these values, collect the following items, and contact your IBM support center:

- System dump
- Printout of SYS1.LOGREC
- Contents of the BSDS

00D10325

Explanation: An internal error has occurred.

Module: CSQJR003

System Action: An execution unit writes a record to SYS1.LOGREC and requests an SVC dump. The execution unit then terminates abnormally.

System Programmer Response: Obtain the SYS1.LOGREC and the SVC dump.

For information about the standard diagnostic information provided by this component, refer to "Recovery log manager diagnostic information" on page 225. Note these values, collect the following items, and contact your IBM support center:

- System dump
- Printout of SYS1.LOGREC
- Contents of the BSDS

00D10326

Explanation: An internal error has occurred.

Module: CSQJR008

System Action: An execution unit writes a record to SYS1.LOGREC and requests an SVC dump. The execution unit then terminates abnormally.

System Programmer Response: Obtain the SYS1.LOGREC and the SVC dump.

For information about the standard diagnostic information provided by this component, refer to "Recovery log manager diagnostic information" on page 225. Note these values, collect the following items, and contact your IBM support center:

- System dump
- Printout of SYS1.LOGREC
- Contents of the BSDS

00D10327

Explanation: An internal error has occurred.

Module: CSQJR003

System Action: An execution unit writes a record to SYS1.LOGREC and requests an SVC dump. The execution unit then terminates abnormally.

System Programmer Response: Obtain the SYS1.LOGREC and the SVC dump.

For information about the standard diagnostic information provided by this component, refer to "Recovery log manager diagnostic information" on page 225. Note these values, collect the following items, and contact your IBM support center:

- System dump
- Printout of SYS1.LOGREC
- Contents of the BSDS

00D10328

Explanation: An internal error has occurred.

Module: CSQJR003

System Action: An execution unit writes a record to SYS1.LOGREC and requests an SVC dump. The execution unit then terminates abnormally.

System Programmer Response: Obtain the SYS1.LOGREC and the SVC dump.

For information about the standard diagnostic information provided by this component, refer to "Recovery log manager diagnostic information" on page 225. Note these values, collect the following items, and contact your IBM support center:

- System dump
- Printout of SYS1.LOGREC
- Contents of the BSDS

00D10329

Explanation: An internal error has occurred.

Module: CSQJR003

System Action: An execution unit writes a record to SYS1.LOGREC and requests an SVC dump. The execution unit then terminates abnormally.

System Programmer Response: Examine SYS1.LOGREC and SVC dump information. Also, examine any prior messages with a

CSQJ prefix from the log buffer reader. See the *MQSeries for OS/390 System Management Guide* for information about dealing with problems on the log.

Problem Determination: For information about the standard diagnostic information provided by this component, refer to "Recovery log manager diagnostic information" on page 225. If you are unable to solve the problem, note these values, collect the following items, and contact your IBM support center:

- System dump
- Console output
- Printout of SYS1.LOGREC
- Contents of the BSDS

00D1032A

Explanation: An unsuccessful completion of a LOG READ has occurred. BSDS does not map the specified RBA into a log data set. Either the BSDS is in error, or the log data set has been deleted.

Module: CSQJR003

System Action: An execution unit writes a record to SYS1.LOGREC and requests an SVC dump. The execution unit then terminates abnormally.

System Programmer Response: Obtain the SYS1.LOGREC and the SVC dump. Also, obtain a listing of the BSDS by running the Print Log Map utility. See the *MQSeries for OS/390 Problem Determination Guide* for information about using dumps for problem determination, and the *MQSeries for OS/390 System Management Guide* for information about dealing with problems in the BSDS or on the log.

Problem Determination: For information about the standard diagnostic information provided by this component, refer to "Recovery log manager diagnostic information" on page 225.

You might find the following items useful in resolving the problem:

- System dump
- Printout of SYS1.LOGREC
- Contents of the BSDS

00D1032B

Explanation: Completion of a LOG READ was unsuccessful, because an error occurred while attempting to allocate a log data set.

Module: CSQJR003

System Action: An execution unit writes a record to SYS1.LOGREC and requests an SVC dump. The execution unit then terminates abnormally.

System Programmer Response: Examine LOGREC and SVC dump information. Also, examine any prior messages with a CSQJ prefix from recovery log manager allocation processing. See the *MQSeries for OS/390 Problem Determination Guide* for information using dumps for problem determination, and the *MQSeries for OS/390 System Management Guide* for information about dealing with problems on the log.

Problem Determination: For information about the standard diagnostic information provided by this component, refer to "Recovery log manager diagnostic information" on page 225.

You might find the following items useful in resolving the problem:

- Console log
- Printout of SYS1.LOGREC
- Contents of the BSDS

00D1032C

Explanation: A LOG READ completed unsuccessfully, because an error occurred while opening or closing a log data set.

Module: CSQJR003

System Action: An execution unit writes a record to SYS1.LOGREC and requests an SVC dump. The execution unit then terminates abnormally.

System Programmer Response: Examine LOGREC and SVC dump information. Also, examine prior messages from recovery log manager open/close processing. These messages have a prefix of CSQJ. See the *MQSeries for OS/390 Problem Determination Guide* for information about using dumps for problem determination, and the *MQSeries for OS/390 System Management Guide* for information about dealing with problems on the log.

Problem Determination: For information about the standard diagnostic information provided by this component, refer to "Recovery log manager diagnostic information" on page 225.

You might find the following items useful in resolving the problem:

- Console output
- Printout of SYS1.LOGREC
- Contents of the BSDS

00D1032D

Explanation: An internal error has occurred.

Module: CSQJR003

System Action: An execution unit writes a record to SYS1.LOGREC and requests an SVC dump. The execution unit then terminates abnormally.

System Programmer Response: Obtain the SYS1.LOGREC and the SVC dump.

For information about the standard diagnostic information provided by this component, refer to "Recovery log manager diagnostic information" on page 225. Note these values, collect the following items, and contact your IBM support center:

- System dump
- Printout of SYS1.LOGREC
- Contents of the BSDS

00D1032E

Explanation: A LOG READ completed unsuccessfully due to an internal error.

Module: CSQJR103

System Action: An execution unit writes a record to SYS1.LOGREC and requests an SVC dump. The execution unit then terminates abnormally.

System Programmer Response: Collect the SYS1.LOGREC and SVC dump information. See the *MQSeries for OS/390 Problem Determination Guide* for information about using dumps for problem determination.

Problem Determination: For information about the standard diagnostic information provided by this component, refer to "Recovery log manager diagnostic information" on page 225. If you suspect an error in MQSeries, note these values, collect the following items, and contact your IBM support center:

- Printout of SYS1.LOGREC

- System dump

00D1032F

Explanation: An internal error has occurred.

Module: CSQJR103

System Action: An execution unit writes a record to SYS1.LOGREC and requests an SVC dump. The execution unit then terminates abnormally.

System Programmer Response: Obtain the SYS1.LOGREC and the SVC dump.

For information about the standard diagnostic information provided by this component, refer to "Recovery log manager diagnostic information" on page 225. Note these values, collect the following items, and contact your IBM support center:

- Printout of SYS1.LOGREC
- System dump

00D10330

Explanation: An internal error has occurred.

Module: CSQJR001

System Action: An execution unit writes a record to SYS1.LOGREC and requests an SVC dump. The execution unit then terminates abnormally.

System Programmer Response: Obtain the SYS1.LOGREC and the SVC dump.

For information about the standard diagnostic information provided by this component, refer to "Recovery log manager diagnostic information" on page 225. Note these values, collect the following items, and contact your IBM support center:

- Printout of SYS1.LOGREC
- System dump

00D10331

Explanation: An internal error has occurred.

Module: CSQJR103

System Action: An execution unit writes a record to SYS1.LOGREC and requests an SVC dump. The execution unit then terminates abnormally.

System Programmer Response: Obtain the SYS1.LOGREC and the SVC dump.

For information about the standard diagnostic information provided by this component, refer to "Recovery log manager diagnostic information" on page 225. Note these values, collect the following items, and contact your IBM support center:

- Printout of SYS1.LOGREC
- System dump

00D10333

Explanation: An internal error has occurred.

Module: CSQJR103

System Action: The execution unit writes a record to SYS1.LOGREC and requests an SVC dump. The execution unit then terminates abnormally.

System Programmer Response: Obtain the SYS1.LOGREC and the SVC dump.

For information about the standard diagnostic information provided by this component, refer to "Recovery log manager diagnostic information" on page 225. Note these values, collect the following items, and contact your IBM support center:

- Printout of SYS1.LOGREC
- System dump

00D10340

Explanation: An unsuccessful completion of a LOG READ has occurred. This reflects an internal recovery log manager (RLM) logic error.

Module: CSQJR008

System Action: An execution unit writes a record to SYS1.LOGREC and requests an SVC dump. The execution unit then terminates abnormally.

System Programmer Response: Examine the SYS1.LOGREC, console log and SVC dump for information about prior abends during LOG READ processing. See the *MQSeries for OS/390 Problem Determination Guide* for information about using dumps for problem determination.

You might find the following items useful in resolving the problem:

- System dump
- Printout of SYS1.LOGREC
- Contents of the BSDS

If you suspect an error in MQSeries, contact your IBM support center.

00D10341

Explanation: An internal error has occurred.

Module: CSQJR103

System Action: An execution unit writes a record to SYS1.LOGREC and requests an SVC dump. The execution unit then terminates abnormally.

System Programmer Response: Obtain the SYS1.LOGREC and the SVC dump.

For information about the standard diagnostic information provided by this component, refer to "Recovery log manager diagnostic information" on page 225. Note these values, collect the following items, and contact your IBM support center:

- Printout of SYS1.LOGREC
- System dump

00D10342

Explanation: An internal error has occurred.

Module: CSQJR103

System Action: An execution unit writes a record to SYS1.LOGREC and requests an SVC dump. The execution unit then terminates abnormally.

System Programmer Response: Obtain the SYS1.LOGREC and the SVC dump.

For information about the standard diagnostic information provided by this component, refer to "Recovery log manager diagnostic information" on page 225. Note these values, collect the following items, and contact your IBM support center:

- Printout of SYS1.LOGREC
- System dump

00D10343

Explanation: An internal error has occurred.

Module: CSQJR103

System Action: An execution unit writes a record to SYS1.LOGREC and requests an SVC dump. The execution unit then terminates abnormally.

System Programmer Response: Obtain the SYS1.LOGREC and the SVC dump.

For information about the standard diagnostic information provided by this component, refer to "Recovery log manager diagnostic information" on page 225. Note these values, collect the following items, and contact your IBM support center:

- Printout of SYS1.LOGREC
- System dump

00D10406

Explanation: The bootstrap data set access service received a request with an invalid function code.

Module: CSQJB001

System Action: An execution unit writes a record to SYS1.LOGREC and requests an SVC dump. The execution unit then terminates abnormally.

System Programmer Response: Collect all relevant diagnostic materials, including SYS1.LOGREC, SVC dump, console output, and a listing of the contents of the BSDS. See the *MQSeries for OS/390 Problem Determination Guide* for information about using dumps for problem determination.

If you suspect an error in MQSeries, contact your IBM support center.

00D10410

Explanation: An unsuccessful completion of a READ BSDS RECORD has occurred. An error has been returned from VSAM.

Module: CSQJB002

System Action: An execution unit writes a record to SYS1.LOGREC and requests an SVC dump. The execution unit then terminates abnormally.

System Programmer Response: Check the console log for return codes from VSAM.

Problem Determination: For information about the standard diagnostic information provided by this component, refer to "Recovery log manager diagnostic information" on page 225. If you are unable to resolve the problem, note these values, collect the following items, and contact your IBM support center:

- Console output
- System dump
- Printout of SYS1.LOGREC
- Contents of the BSDS

00D10411

Explanation: An unsuccessful completion of a WRITE UPDATE BSDS RECORD has occurred. An error has been returned from VSAM.

Module: CSQJB002

System Action: An execution unit writes a record to SYS1.LOGREC and requests an SVC dump. The execution unit then terminates abnormally.

System Programmer Response: Check the console log for return codes from VSAM.

Problem Determination: For information about the standard diagnostic information provided by this component, refer to "Recovery log manager diagnostic information" on page 225. If you are unable to resolve the problem, note these values, collect the following items, and contact your IBM support center:

- Console output
- System dump
- Printout of SYS1.LOGREC
- Contents of the BSDS

00D10412

Explanation: An unsuccessful completion of a WRITE INSERT BSDS RECORD has occurred. An error has been returned from VSAM.

Module: CSQJB002

System Action: An execution unit writes a record to SYS1.LOGREC and requests an SVC dump. The execution unit then terminates abnormally.

System Programmer Response: Check the console log for return codes from VSAM.

Problem Determination: For information about the standard diagnostic information provided by this component, refer to "Recovery log manager diagnostic information" on page 225. If you are unable to solve the problem, note these values, collect the following items, and contact your IBM support center:

- Console output
- System dump
- Printout of SYS1.LOGREC
- Contents of the BSDS

00D10413

Explanation: An unsuccessful completion of a DELETE BSDS RECORD has occurred. An error has been returned from VSAM.

Module: CSQJB002

System Action: An execution unit writes a record to SYS1.LOGREC and requests an SVC dump. The execution unit then terminates abnormally.

System Programmer Response: Check the console log for return codes from VSAM.

Problem Determination: For information about the standard diagnostic information provided by this component, refer to "Recovery log manager diagnostic information" on page 225. If you are unable to solve the problem, note these values, collect the following items, and contact your IBM support center:

- Console output
- System dump
- Printout of SYS1.LOGREC
- Contents of the BSDS

00D10500

Explanation: An internal error has occurred.

Module: CSQJDS01

System Action: An execution unit writes a record to SYS1.LOGREC and requests an SVC dump. The execution unit then terminates abnormally.

System Programmer Response: Obtain the SYS1.LOGREC and the SVC dump.

For information about the standard diagnostic information provided by this component, refer to "Recovery log manager diagnostic information" on page 225. Note these values, collect the following items, and contact your IBM support center:

- Printout of SYS1.LOGREC
- System dump

00D10501

Explanation: An internal error has occurred.

Module: CSQJDS05

System Action: An execution unit writes a record to SYS1.LOGREC and requests an SVC dump. The execution unit then terminates abnormally.

System Programmer Response: Obtain the SYS1.LOGREC and the SVC dump.

Problem Determination: For information about the standard diagnostic information provided by this component, refer to "Recovery log manager diagnostic information" on page 225. Note these values, collect the following items, and contact your IBM support center:

- Printout of SYS1.LOGREC
- System dump

00D10700

Explanation: An error completion code was returned by SETLOCK OBTAIN.

Module: CSQJM002

System Action: An execution unit writes a record to SYS1.LOGREC and requests an SVC dump. The execution unit then terminates abnormally.

System Programmer Response: Obtain the SYS1.LOGREC and SVC dump. See the *MQSeries for OS/390 Problem Determination Guide* for information about using dumps for problem determination.

For information about the standard diagnostic information provided by this component, refer to "Recovery log manager diagnostic information" on page 225. In addition, register 0 contains the return code from SETLOCK OBTAIN.

00D10701

Explanation: An error completion code was returned by SETLOCK RELEASE.

Module: CSQJM002

System Action: An execution unit writes a record to SYS1.LOGREC and requests an SVC dump. The execution unit then terminates abnormally.

System Programmer Response: Obtain the SYS1.LOGREC and SVC dump. See the *MQSeries for OS/390 Problem Determination Guide* for information about using dumps for problem determination.

For information about the standard diagnostic information provided by this component, refer to "Recovery log manager diagnostic information" on page 225. In addition, register 0 contains the return code from SETLOCK RELEASE.

00D10800

Explanation: An internal error has occurred.

Module: CSQJC001

System Action: A diagnostic record is written to SYS1.LOGREC, and an SVC dump is requested. The requesting execution unit is abended.

System Programmer Response: Obtain the SYS1.LOGREC and the SVC dump.

For information about the standard diagnostic information provided by this component, refer to “Recovery log manager diagnostic information” on page 225. Note these values, collect the following items, and contact your IBM support center:

- System dump
- Printout of SYS1.LOGREC

Lock manager codes (X'D3')

00D301F1

Explanation: A GETMAIN failure has occurred. This is probably because there is insufficient storage in your region.

Module: CSQL1INI

System Action: The current execution unit terminates with abend code X'5C6'.

System Programmer Response: Check that you are running in a region that is large enough. If not, reset your system and retry the MQSeries initialization procedure. If this is not the cause of the problem, collect the items listed in the Problem Determination section and contact your IBM support center.

Problem Determination: Collect the following diagnostic items:

- A description of the action(s) that led to the abend, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the abend
- MQSeries job log
- System dump resulting from the abend
- The MQSeries, OS/390, CICS, and IMS service levels

00D301F2

Explanation: A GETMAIN error has occurred. This is probably because there is insufficient storage in your region.

Module: CSQL1INI

System Action: The current execution unit terminates with abend code X'5C6'.

System Programmer Response: Check that you are running in a region that is large enough. If not, reset your system and retry the MQSeries initialization procedure. If this is not the cause of the problem, collect the items listed in the Problem Determination section and contact your IBM support center.

Problem Determination: Collect the following diagnostic items:

- A description of the action(s) that led to the abend, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the abend
- MQSeries job log
- System dump resulting from the abend
- The MQSeries, OS/390, CICS, and IMS service levels

00D301F3

Explanation: A GETPOOL error has occurred. This is probably because there is insufficient storage in your region.

Module: CSQL1INI

System Action: The current execution unit terminates with abend code X'5C6'.

System Programmer Response: Check that you are running in a region that is large enough. If not, reset your system and retry the MQSeries initialization procedure. If this is not the cause of the problem, collect the items listed in the Problem Determination section and contact your IBM support center.

Problem Determination: Collect the following diagnostic items:

- A description of the action(s) that led to the abend, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the abend
- MQSeries job log

- System dump resulting from the abend
- The MQSeries, OS/390, CICS, and IMS service levels

00D301F4

Explanation: A GETPOOL error has occurred. This is probably because there is insufficient storage in your region.

Module: CSQL1INI

System Action: The current execution unit terminates with abend code X'5C6'.

System Programmer Response: Check that you are running in a region that is large enough. If not, reset your system and retry the MQSeries initialization procedure. If this is not the cause of the problem, collect the items listed in the Problem Determination section and contact your IBM support center.

Problem Determination: Collect the following diagnostic items:

- A description of the action(s) that led to the abend, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the abend
- MQSeries job log
- System dump resulting from the abend
- The MQSeries, OS/390, CICS, and IMS service levels

00D301F5

Explanation: A GETPOOL error has occurred. This is probably because there is insufficient storage in your region.

Module: CSQL1INI

System Action: The current execution unit terminates with abend code X'5C6'.

System Programmer Response: Check that you are running in a region that is large enough. If not, reset your system and retry the MQSeries initialization procedure. If this is not the cause of the problem, collect the items listed in the Problem Determination section and contact your IBM support center.

Problem Determination: Collect the following diagnostic items:

- A description of the action(s) that led to the abend, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the abend
- MQSeries job log
- System dump resulting from the abend
- The MQSeries, OS/390, CICS, and IMS service levels

00D302F1

Explanation: An internal error has occurred.

Module: CSQL1GET

System Action: The current execution unit terminates with abend code X'5C6'.

System Programmer Response: Collect the items listed in the Problem Determination section and contact your IBM support center.

Problem Determination: Collect the following diagnostic items:

- A description of the action(s) that led to the abend, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the abend
- MQSeries job log
- System dump resulting from the abend
- The MQSeries, OS/390, CICS, and IMS service levels

00D302F2

Explanation: An internal error has occurred.

Module: CSQL1GET

System Action: The current execution unit terminates with abend code X'5C6'.

System Programmer Response: Collect the items listed in the Problem Determination section and contact your IBM support center.

Problem Determination: Collect the following diagnostic items:

- A description of the action(s) that led to the abend, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the abend
- MQSeries job log
- System dump resulting from the abend
- The MQSeries, OS/390, CICS, and IMS service levels

00D302F3

Explanation: An internal error has occurred.

Module: CSQL1GET

System Action: The current execution unit terminates with abend code X'5C6'.

System Programmer Response: Collect the items listed in the Problem Determination section and contact your IBM support center.

Problem Determination: Collect the following diagnostic items:

- A description of the action(s) that led to the abend, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the abend
- MQSeries job log
- System dump resulting from the abend
- The MQSeries, OS/390, CICS, and IMS service levels

00D302F4

Explanation: An internal error has occurred.

Module: CSQL1GET

System Action: The current execution unit terminates with abend code X'5C6'.

System Programmer Response: Collect the items listed in the Problem Determination section and contact your IBM support center.

Problem Determination: Collect the following diagnostic items:

- A description of the action(s) that led to the abend, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the abend
- MQSeries job log
- System dump resulting from the abend
- The MQSeries, OS/390, CICS, and IMS service levels

00D302F5

Explanation: An internal error has occurred.

Module: CSQL1GET

System Action: The current execution unit terminates with abend code X'5C6'.

System Programmer Response: Collect the items listed in the Problem Determination section and contact your IBM support center.

Problem Determination: Collect the following diagnostic items:

- A description of the action(s) that led to the abend, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the abend

- MQSeries job log
- System dump resulting from the abend
- The MQSeries, OS/390, CICS, and IMS service levels

00D303F1

Explanation: An internal error has occurred.

Module: CSQL1REL

System Action: The current execution unit terminates with abend code X'5C6'.

System Programmer Response: Collect the items listed in the Problem Determination section and contact your IBM support center.

Problem Determination: Collect the following diagnostic items:

- A description of the action(s) that led to the abend, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the abend
- MQSeries job log
- System dump resulting from the abend
- The MQSeries, OS/390, CICS, and IMS service levels

00D303F2

Explanation: An internal error has occurred.

Module: CSQL1REL

System Action: The current execution unit terminates with abend code X'5C6'.

System Programmer Response: Collect the items listed in the Problem Determination section and contact your IBM support center.

Problem Determination: Collect the following diagnostic items:

- A description of the action(s) that led to the abend, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the abend
- MQSeries job log
- System dump resulting from the abend
- The MQSeries, OS/390, CICS, and IMS service levels

00D303F3

Explanation: An internal error has occurred.

Module: CSQL1REL

System Action: The current execution unit terminates with abend code X'5C6'.

System Programmer Response: Collect the items listed in the Problem Determination section and contact your IBM support center.

Problem Determination: Collect the following diagnostic items:

- A description of the action(s) that led to the abend, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the abend
- MQSeries job log
- System dump resulting from the abend
- The MQSeries, OS/390, CICS, and IMS service levels

00D304F1

Explanation: An internal error has occurred.

Module: CSQL1RCL

System Action: The current execution unit terminates with abend code X'5C6'.

System Programmer Response: Collect the items listed in the Problem Determination section and contact your IBM support center.

Problem Determination: Collect the following diagnostic items:

- A description of the action(s) that led to the abend, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the abend
- MQSeries job log
- System dump resulting from the abend
- The MQSeries, OS/390, CICS, and IMS service levels

00D305F1

Explanation: An internal error has occurred.

Module: CSQL1SVT

System Action: The current execution unit terminates with abend code X'5C6'.

System Programmer Response: Collect the items listed in the Problem Determination section and contact your IBM support center.

Problem Determination: Collect the following diagnostic items:

- A description of the action(s) that led to the abend, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the abend

- MQSeries job log
- System dump resulting from the abend
- The MQSeries, OS/390, CICS, and IMS service levels

00D306F1

Explanation: An internal error has occurred.

Module: CSQL1RST

System Action: The current execution unit terminates with abend code X'5C6'.

System Programmer Response: Collect the items listed in the Problem Determination section and contact your IBM support center.

Problem Determination: Collect the following diagnostic items:

- A description of the action(s) that led to the abend, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the abend
- MQSeries job log
- System dump resulting from the abend
- The MQSeries, OS/390, CICS, and IMS service levels

Message manager codes (X'D4')

00D40001

Explanation: An internal error has occurred while processing an MQSeries command.

Module: CSQMCKWV

System Action: The current execution unit terminates with abend code X'5C6'.

System Programmer Response: Collect the items listed in the Problem Determination section and contact your IBM support center.

Problem Determination: Collect the following diagnostic items:

- A description of the action(s) that led to the abend, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the abend
- MQSeries job log
- System dump resulting from the abend
- CICS transaction dump (if running with CICS)
- The MQSeries, OS/390, CICS, and IMS service levels
- ISPF panel name (if using the MQSeries operations and controls panels)

00D40002

Explanation: An internal error has occurred while processing an MQSeries command.

Module: CSQMCKWV, CSQMDCKW, CSQMDERM, CSQMDMSG, CSQMDRTS, CSQMMSGP, CSQMUNLS, CSQMUPRO, CSQMUQAL, CSQMUQLC, CSQMUQMD, CSQMUQRM

System Action: The current execution unit terminates with abend code X'5C6'.

System Programmer Response: Collect the items listed in the Problem Determination section and contact your IBM support center.

Problem Determination: Collect the following diagnostic items:

- A description of the action(s) which led to the abend, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the abend
- MQSeries job log
- System dump resulting from the abend
- CICS transaction dump (if running with CICS)
- The MQSeries, OS/390, CICS, and IMS service levels
- ISPF panel name (if using the MQSeries operations and controls panels)

00D40003

Explanation: An internal error has occurred while processing an MQSeries DEFINE QLOCAL, DEFINE QMODEL, ALTER QLOCAL, or ALTER QMODEL command.

Module: CSQMCNA1

System Action: The current execution unit terminates with abend code X'5C6'.

System Programmer Response: Collect the items listed in the Problem Determination section and contact your IBM support center.

Problem Determination: Collect the following diagnostic items:

- A description of the action(s) that led to the abend, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the abend
- MQSeries job log
- System dump resulting from the abend

- CICS transaction dump (if running with CICS)
- The MQSeries, OS/390, CICS, and IMS service levels
- ISPF panel name (if using the MQSeries operations and controls panels)

00D40004

Explanation: An internal error has occurred while processing an MQSeries DEFINE QALIAS or ALTER QALIAS command.

Module: CSQMCNA3

System Action: The current execution unit terminates with abend code X'5C6'.

System Programmer Response: Collect the items listed in the Problem Determination section and contact your IBM support center.

Problem Determination: Collect the following diagnostic items:

- A description of the action(s) that led to the abend, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the abend
- MQSeries job log
- System dump resulting from the abend
- CICS transaction dump (if running with CICS)
- The MQSeries, OS/390, CICS, and IMS service levels
- ISPF panel name (if using the MQSeries operations and controls panels)

00D40007

Explanation: An internal error has occurred while processing an MQSeries DEFINE QREMOTE or ALTER QREMOTE command.

Module: CSQMCNA6

System Action: The current execution unit terminates with abend code X'5C6'.

System Programmer Response: Collect the items listed in the Problem Determination section and contact your IBM support center.

Problem Determination: Collect the following diagnostic items:

- A description of the action(s) that led to the abend, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the abend
- MQSeries job log
- System dump resulting from the abend
- CICS transaction dump (if running with CICS)
- The MQSeries, OS/390, CICS, and IMS service levels
- ISPF panel name (if using the MQSeries operations and controls panels)

00D40008

Explanation: An internal error has occurred while processing an MQSeries DEFINE PROCESS or ALTER PROCESS command.

Module: CSQMCNAP

System Action: The current execution unit terminates with abend code X'5C6'.

System Programmer Response: Collect the items listed in the Problem Determination section and contact your IBM support center.

Problem Determination: Collect the following diagnostic items:

- A description of the action(s) that led to the abend, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the abend

- MQSeries job log
- System dump resulting from the abend
- CICS transaction dump (if running with CICS)
- The MQSeries, OS/390, CICS, and IMS service levels
- ISPF panel name (if using the MQSeries operations and controls panels)

00D40009

Explanation: An internal error has occurred while processing an MQSeries DEFINE QLOCAL, DEFINE QMODEL, ALTER QLOCAL, or ALTER QMODEL command.

Module: CSQMCNA1

System Action: The current execution unit terminates with an abend code of X'5C6'.

System Programmer Response: Collect the items listed in the Problem Determination section, and contact your IBM support center.

Problem Determination: Collect the following problem diagnostic items:

- A description of the action(s) that led to the abend, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the abend
- MQSeries job log
- System dump resulting from the abend
- CICS transaction dump (if running with CICS)
- The MQSeries, OS/390, CICS, and IMS service levels
- ISPF panel name (if using the MQSeries operations and controls panels)

00D4000A

Explanation: An internal error has occurred while processing an MQSeries command.

Module: CSQMDCKW

System Action: The current execution unit terminates with abend code X'5C6'.

System Programmer Response: Collect the items listed in the Problem Determination section, and contact your IBM support center.

Problem Determination: Collect the following diagnostic items:

- A description of the action(s) that led to the abend, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the abend
- MQSeries job log
- System dump resulting from the abend
- CICS transaction dump (if running with CICS)
- The MQSeries, OS/390, CICS, and IMS service levels
- ISPF panel name (if using the MQSeries operations and controls panels)

00D4000B

Explanation: An internal error has occurred while processing an MQSeries DISPLAY QUEUE command.

Module: CSQMDQUE, CSQM1DQU

System Action: The current execution unit terminates with abend code X'5C6'.

System Programmer Response: Collect the items listed in the Problem Determination section and contact your IBM support center.

Problem Determination: Collect the following diagnostic items:

- A description of the action(s) that led to the abend, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the abend

- MQSeries job log
- System dump resulting from the abend
- CICS transaction dump (if running with CICS)
- The MQSeries, OS/390, CICS, and IMS service levels
- ISPF panel name (if using the MQSeries operations and controls panels)

00D4000C

Explanation: An internal error has occurred while processing an MQSeries command.

Module: CSQMDMSG.

System Action: The current execution unit terminates with abend code X'5C6'.

System Programmer Response: Collect the items listed in the Problem Determination section and contact your IBM support center.

Problem Determination: Collect the following diagnostic items:

- A description of the action(s) that led to the abend, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the abend
- MQSeries job log
- System dump resulting from the abend
- CICS transaction dump (if running with CICS)
- The MQSeries, OS/390, CICS, and IMS service levels
- ISPF panel name (if using the MQSeries operations and controls panels)

00D4000D

Explanation: An internal error has occurred while attempting to establish a processing environment for the command processors.

Module: CSQMCPEN

System Action: The current execution unit terminates with abend code X'5C6'.

System Programmer Response: Collect the items listed in the Problem Determination section and contact your IBM support center.

Problem Determination: Collect the following diagnostic items:

- A description of the action(s) that led to the abend, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the abend
- MQSeries job log
- System dump resulting from the abend
- CICS transaction dump (if running with CICS)
- The MQSeries, OS/390, CICS, and IMS service levels
- ISPF panel name (if using the MQSeries operations and controls panels)

00D4000E

Explanation: An internal error has occurred while attempting to establish a processing environment for the message manager.

Module: CSQMCPEN, CSQMPRH2

System Action: The current execution unit terminates with abend code X'5C6'.

System Programmer Response: Collect the items listed in the Problem Determination section and contact your IBM support center.

Problem Determination: Collect the following diagnostic items:

- A description of the action(s) that led to the abend, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the abend
- MQSeries job log
- System dump resulting from the abend

- CICS transaction dump (if running with CICS)
- The MQSeries, OS/390, CICS, and IMS service levels
- ISPF panel name (if using the MQSeries operations and controls panels)

00D4000F

Explanation: An internal error has occurred while processing an MQSeries DEFINE NAMELIST or ALTER NAMELIST command.

Module: CSQMCNAN

System Action: The current execution unit terminates with abend code X'5C6'.

System Programmer Response: Collect the items listed in the Problem Determination section and contact your IBM support center.

Problem Determination: Collect the following diagnostic items:

- A description of the action(s) that led to the abend, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the abend
- MQSeries job log
- System dump resulting from the abend
- CICS transaction dump (if running with CICS)
- The MQSeries, OS/390, CICS, and IMS service levels
- ISPF panel name (if using the MQSeries operations and controls panels)

00D40010

Explanation: An internal error has occurred while processing an MQSeries command.

Module: CSQMCKWV

System Action: The current execution unit terminates with abend code X'5C6'.

System Programmer Response: Collect the items listed in the Problem Determination section and contact your IBM support center.

Problem Determination: Collect the following diagnostic items:

- A description of the action(s) that led to the abend, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the abend
- MQSeries job log
- System dump resulting from the abend
- CICS transaction dump (if running with CICS)
- The MQSeries, OS/390, CICS, and IMS service levels
- ISPF panel name (if using the MQSeries operations and controls panels)

00D40011

Explanation: An internal error has occurred.

Module: CSQMDRTS

System Action: The current execution unit terminates with abend code X'5C6'.

System Programmer Response: Collect the items listed in the Problem Determination section and contact your IBM support center.

Problem Determination: Collect the following diagnostic items:

- A description of the action(s) that led to the abend, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the abend
- MQSeries job log
- System dump resulting from the abend
- CICS transaction dump (if running with CICS)

- The MQSeries, OS/390, CICS, and IMS service levels
- ISPF panel name (if using the MQSeries operations and controls panels)

00D40012

Explanation: An internal error has occurred.

Module: CSQMDRTS

System Action: The current execution unit terminates with abend code X'5C6'.

System Programmer Response: Collect the items listed in the Problem Determination section and contact your IBM support center.

Problem Determination: Collect the following diagnostic items:

- A description of the action(s) that led to the abend, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the abend
- MQSeries job log
- System dump resulting from the abend
- CICS transaction dump (if running with CICS)
- The MQSeries, OS/390, CICS, and IMS service levels
- ISPF panel name (if using the MQSeries operations and controls panels)

00D40013

Explanation: An internal error has occurred.

Module: CSQMDRTS

System Action: The current execution unit terminates with abend code X'5C6'.

System Programmer Response: Collect the items listed in the Problem Determination section and contact your IBM support center.

Problem Determination: Collect the following diagnostic items:

- A description of the action(s) that led to the abend, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the abend
- MQSeries job log
- System dump resulting from the abend
- CICS transaction dump (if running with CICS)
- The MQSeries, OS/390, CICS, and IMS service levels
- ISPF panel name (if using the MQSeries operations and controls panels)

00D40014

Explanation: An internal error has occurred.

Module: CSQMCLS2

System Action: The current execution unit terminates with abend code X'5C6'.

System Programmer Response: Collect the items listed in the Problem Determination section and contact your IBM support center.

Problem Determination: Collect the following diagnostic items:

- A description of the action(s) that led to the abend, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the abend
- MQSeries job log
- System dump resulting from the abend
- CICS transaction dump (if running with CICS)
- The MQSeries, OS/390, CICS, and IMS service levels
- ISPF panel name (if using the MQSeries operations and controls panels)

00D40015

Explanation: An attempt to write a trigger message to the initiation queue or the dead-letter queue was unsuccessful because of an internal error (for example, a storage overwrite).

Module: CSQMTRG2

System Action: The current execution unit terminates with abend code X'5C6'.

System Programmer Response: Collect the items listed in the Problem Determination section and contact your IBM support center.

Problem Determination: Collect the following diagnostic items:

- A description of the action(s) that led to the abend, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the abend
- MQSeries job log
- System dump resulting from the abend
- CICS transaction dump (if running with CICS)
- The MQSeries, OS/390, CICS, and IMS service levels
- ISPF panel name (if using the MQSeries operations and controls panels)

00D40016

Explanation: An internal error has occurred.

Module: CSQMCAMM, CSQMCLOS, CSQMCNAP, CSQMCNA1, CSQMCNA3, CSQMCNA6, CSQMDFUT, CSQMOALG, CSQMOAQ1, CSQMOMQ1, CSQMOPEN, CSQMORQ1, CSQMRLK, CSQMSET, CSQMTRG1, CSQMTRG2

System Action: The current execution unit terminates with abend code X'5C6'.

System Programmer Response: Collect the items listed in the Problem Determination section and contact your IBM support center.

Problem Determination: Collect the following diagnostic items:

- A description of the action(s) that led to the abend, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the abend
- MQSeries job log
- System dump resulting from the abend
- CICS transaction dump (if running with CICS)
- The MQSeries, OS/390, CICS, and IMS service levels
- ISPF panel name (if using the MQSeries operations and controls panels)

00D40017

Explanation: An internal error has occurred.

Module: CSQMCALH, CSQMCAMM, CSQMCLS2, CSQMCNAN, CSQMCNAP, CSQMCNA1, CSQMCNA3, CSQMCNA6, CSQMDFUT, CSQMERST, CSQMGET, CSQMISE1, CSQMNMMMS, CSQMOAQ1, CSQMOMQ1, CSQMOPEN, CSQMORQ1, CSQMPOM, CSQMPUTV, CSQMSET, CSQMTRG2, CSQMUNLS, CSQMUPRO, CSQMUQAL, CSQMUQLC, CSQMUQMD, CSQMUQRM, CSQM1PDR

System Action: The current execution unit terminates with abend code X'5C6'.

System Programmer Response: Collect the items listed in the Problem Determination section and contact your IBM support center.

Problem Determination: Collect the following diagnostic items:

- A description of the action(s) that led to the abend, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the abend
- MQSeries job log

- System dump resulting from the abend
- CICS transaction dump (if running with CICS)
- The MQSeries, OS/390, CICS, and IMS service levels
- ISPF panel name (if using the MQSeries operations and controls panels)

00D40018

Explanation: An internal error has occurred.

Module: CSQMCLOS, CSQMOSEC

System Action: The current execution unit terminates with abend code X'5C6'.

System Programmer Response: Collect the items listed in the Problem Determination section and contact your IBM support center.

Problem Determination: Collect the following diagnostic items:

- A description of the action(s) that led to the abend, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the abend
- MQSeries job log
- System dump resulting from the abend
- CICS transaction dump (if running with CICS)
- The MQSeries, OS/390, CICS, and IMS service levels
- ISPF panel name (if using the MQSeries operations and controls panels)

00D40019

Explanation: An internal error has occurred.

Module: CSQMOSEC

System Action: The current execution unit terminates with abend code X'5C6'.

System Programmer Response: Collect the items listed in the Problem Determination section and contact your IBM support center.

Problem Determination: Collect the following diagnostic items:

- A description of the action(s) that led to the abend, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the abend
- MQSeries job log
- System dump resulting from the abend
- CICS transaction dump (if running with CICS)
- The MQSeries, OS/390, CICS, and IMS service levels
- ISPF panel name (if using the MQSeries operations and controls panels)

00D4001A

Explanation: An internal error has occurred.

Module: CSQMOSEC

System Action: The current execution unit terminates with abend code X'5C6'.

System Programmer Response: Collect the items listed in the Problem Determination section and contact your IBM support center.

Problem Determination: Collect the following diagnostic items:

- A description of the action(s) that led to the abend, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the abend
- MQSeries job log
- System dump resulting from the abend
- CICS transaction dump (if running with CICS)
- The MQSeries, OS/390, CICS, and IMS service levels
- ISPF panel name (if using the MQSeries operations and controls panels)

00D4001B

Explanation: An internal error has occurred.

Module: CSQMCNA1, CSQMCNA3, CSQMCNA6.

System Action: The current execution unit terminates with abend code X'5C6'.

System Programmer Response: Collect the items listed in the Problem Determination section and contact your IBM support center.

Problem Determination: Collect the following diagnostic items:

- A description of the action(s) that led to the abend, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the abend
- Details of the command being issued at the time of the failure
- MQSeries job log
- System dump resulting from the abend
- CICS transaction dump (if running with CICS)
- The MQSeries, OS/390, CICS, and IMS service levels
- ISPF panel name (if using the MQSeries operations and controls panels)

00D4001C

Explanation: An internal error has occurred.

Module: CSQMCNA3.

System Action: The current execution unit terminates with abend code X'5C6'.

System Programmer Response: Collect the items listed in the Problem Determination section and contact your IBM support center.

Problem Determination: Collect the following diagnostic items:

- A description of the action(s) that led to the abend, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the abend
- Details of the command being issued at the time of the failure
- MQSeries job log
- System dump resulting from the abend
- CICS transaction dump (if running with CICS)
- The MQSeries, OS/390, CICS, and IMS service levels
- ISPF panel name (if using the MQSeries operations and controls panels)

00D4001D

Explanation: An internal error has occurred.

Module: CSQMCNA6

System Action: The current execution unit terminates with abend code X'5C6'.

System Programmer Response: Collect the items listed in the Problem Determination section and contact your IBM support center.

Problem Determination: Collect the following diagnostic items:

- A description of the action(s) that led to the abend, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the abend
- Details of the command being issued at the time of the failure.
- MQSeries job log
- System dump resulting from the abend
- CICS transaction dump (if running with CICS)
- The MQSeries, OS/390, CICS, and IMS service levels
- ISPF panel name (if using the MQSeries operations and controls panels)

00D4001E

Explanation: An internal error has occurred.

Module: CSQMCNA6

System Action: The current execution unit terminates with abend code X'5C6'.

System Programmer Response: Collect the items listed in the Problem Determination section and contact your IBM support center.

Problem Determination: Collect the following diagnostic items:

- A description of the action(s) that led to the abend, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the abend
- Details of the command being issued at the time of the failure
- MQSeries job log
- System dump resulting from the abend
- CICS transaction dump (if running with CICS)
- The MQSeries, OS/390, CICS, and IMS service levels
- ISPF panel name (if using the MQSeries operations and controls panels)

00D4001F

Explanation: An internal error has occurred.

Module: CSQMCNA6

System Action: The current execution unit terminates with abend code X'5C6'.

System Programmer Response: Collect the items listed in the Problem Determination section and contact your IBM support center.

Problem Determination: Collect the following diagnostic items:

- A description of the action(s) that led to the abend, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the abend
- Details of the command being issued at the time of the failure
- MQSeries job log
- System dump resulting from the abend
- CICS transaction dump (if running with CICS)
- The MQSeries, OS/390, CICS, and IMS service levels
- ISPF panel name (if using the MQSeries operations and controls panels)

00D40020

Explanation: An internal error has occurred.

Module: CSQMCNA1, CSQMCNA3, CSQMCNA6.

System Action: The current execution unit terminates with abend code X'5C6'.

System Programmer Response: Collect the items listed in the Problem Determination section and contact your IBM support center.

Problem Determination: Collect the following diagnostic items:

- A description of the action(s) that led to the abend, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the abend
- Details of the command being issued at the time of the failure
- MQSeries job log
- System dump resulting from the abend
- CICS transaction dump (if running with CICS)
- The MQSeries, OS/390, CICS, and IMS service levels
- ISPF panel name (if using the MQSeries operations and controls panels)

00D40021**Explanation:** An internal error has occurred.**Module:** CSQMCNA1, CSQMCNA3, CSQMCNA6**System Action:** The current execution unit terminates with abend code X'5C6'.**System Programmer Response:** Collect the items listed in the Problem Determination section and contact your IBM support center.**Problem Determination:** Collect the following diagnostic items:

- A description of the action(s) that led to the abend, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the abend
- Details of the command being issued at the time of the failure
- MQSeries job log
- System dump resulting from the abend
- CICS transaction dump (if running with CICS)
- The MQSeries, OS/390, CICS, and IMS service levels
- ISPF panel name (if using the MQSeries operations and controls panels)

00D40022**Explanation:** An internal error has occurred.**Module:** CSQMCNA1**System Action:** The current execution unit terminates with abend code X'5C6'.**System Programmer Response:** Collect the items listed in the Problem Determination section and contact your IBM support center.**Problem Determination:** Collect the following diagnostic items:

- A description of the action(s) that led to the abend, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the abend
- Details of the command being issued at the time of the failure
- MQSeries job log
- System dump resulting from the abend
- CICS transaction dump (if running with CICS)
- The MQSeries, OS/390, CICS, and IMS service levels
- ISPF panel name (if using the MQSeries operations and controls panels)

00D40023**Explanation:** An internal error has occurred.**Module:** CSQMCNA1, CSQMCNA3, CSQMCNA6**System Action:** The current execution unit terminates with abend code X'5C6'.**System Programmer Response:** Collect the items listed in the Problem Determination section and contact your IBM support center.**Problem Determination:** Collect the following diagnostic items:

- A description of the action(s) that led to the abend, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the abend
- Details of the command being issued at the time of the failure
- MQSeries job log
- System dump resulting from the abend
- CICS transaction dump (if running with CICS)
- The MQSeries, OS/390, CICS, and IMS service levels
- ISPF panel name (if using the MQSeries operations and controls panels)

00D40024**Explanation:** An internal error has occurred.**Module:** CSQMPOM, CSQMPRH2, CSQM1DDW.**System Action:** The current execution unit terminates with abend code X'5C6'.**System Programmer Response:** Collect the items listed in the Problem Determination section and contact your IBM support center.**Problem Determination:** Collect the following diagnostic items:

- A description of the action(s) that led to the abend, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the abend
- MQSeries job log
- System dump resulting from the abend
- CICS transaction dump (if running with CICS)
- The MQSeries, OS/390, CICS, and IMS service levels
- ISPF panel name (if using the MQSeries operations and controls panels)

00D40025**Explanation:** An internal error has occurred.**Module:** CSQMCLOS, CSQMGETV, CSQMISV1, CSQMPUTV.**System Action:** The current execution unit terminates with abend code X'5C6'.**System Programmer Response:** Collect the items listed in the Problem Determination section and contact your IBM support center.**Problem Determination:** Collect the following diagnostic items:

- A description of the action(s) that led to the abend, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the abend
- MQSeries job log
- System dump resulting from the abend
- CICS transaction dump (if running with CICS)
- The MQSeries, OS/390, CICS, and IMS service levels
- ISPF panel name (if using the MQSeries operations and controls panels)

00D40026**Explanation:** An internal error has occurred while processing a DEFINE CHANNEL or ALTER CHANNEL command.**Module:** CSQMCNAC**System Action:** The current execution unit terminates with abend code X'5C6'.**System Programmer Response:** Collect the items listed in the Problem Determination section and contact your IBM support center.**Problem Determination:** Collect the following diagnostic items:

- A description of the action(s) that led to the abend, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the abend
- MQSeries job log
- System dump resulting from the abend
- CICS transaction dump (if running with CICS)
- The MQSeries, OS/390, CICS, and IMS service levels
- ISPF panel name (if using the MQSeries operations and controls panels)

00D40027

Explanation: An internal error has occurred.

Module: CSQMTNAM

System Action: The current execution unit terminates with abend code X'5C6'.

System Programmer Response: Collect the items listed in the Problem Determination section and contact your IBM support center.

Problem Determination: Collect the following diagnostic items:

- A description of the action(s) that led to the abend, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the abend
- MQSeries job log
- System dump resulting from the abend
- CICS transaction dump (if running with CICS)
- The MQSeries, OS/390, CICS, and IMS service levels
- ISPF panel name (if using the MQSeries operations and controls panels)

00D40028

Explanation: An internal error has occurred.

Module: CSQMDCHL

System Action: The current execution unit terminates with abend code X'5C6'.

System Programmer Response: Collect the items listed in the Problem Determination section and contact your IBM support center.

Problem Determination: Collect the following diagnostic items:

- A description of the action(s) that led to the abend, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the abend
- MQSeries job log
- System dump resulting from the abend
- CICS transaction dump (if running with CICS)
- The MQSeries, OS/390, CICS, and IMS service levels
- ISPF panel name (if using the MQSeries operations and controls panels)

00D40029

Explanation: An internal error has occurred.

Module: CSQMDRTS

System Action: The current execution unit terminates with abend code X'5C6'.

System Programmer Response: Collect the items listed in the Problem Determination section and contact your IBM support center.

Problem Determination: Collect the following diagnostic items:

- A description of the action(s) that led to the abend, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the abend
- MQSeries job log
- System dump resulting from the abend
- CICS transaction dump (if running with CICS)
- The MQSeries, OS/390, CICS, and IMS service levels
- ISPF panel name (if using the MQSeries operations and controls panels)

00D4002A

Explanation: An internal error has occurred.

Module: CSQMCNAC, CSQMQCLU, CSQMUCHL

System Action: The current execution unit terminates with abend code X'5C6'.

System Programmer Response: Collect the items listed in the Problem Determination section and contact your IBM support center.

Problem Determination: Collect the following diagnostic items:

- A description of the action(s) that led to the abend, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the abend
- MQSeries job log
- System dump resulting from the abend
- CICS transaction dump (if running with CICS)
- The MQSeries, OS/390, CICS, and IMS service levels
- ISPF panel name (if using the MQSeries operations and controls panels)

00D4002B

Explanation: An internal error has occurred.

Module: CSQMMPUT

System Action: The current execution unit terminates with abend code X'5C6'.

System Programmer Response: Collect the items listed in the Problem Determination section and contact your IBM support center.

Problem Determination: Collect the following diagnostic items:

- A description of the action(s) that led to the abend, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the abend
- MQSeries job log
- System dump resulting from the abend
- CICS transaction dump (if running with CICS)
- The MQSeries, OS/390, CICS, and IMS service levels
- ISPF panel name (if using the MQSeries operations and controls panels)

00D4002C

Explanation: An internal error has occurred.

Module: CSQMMPUT

System Action: The current execution unit terminates with abend code X'5C6'.

System Programmer Response: Collect the items listed in the Problem Determination section and contact your IBM support center.

Problem Determination: Collect the following diagnostic items:

- A description of the action(s) that led to the abend, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the abend
- MQSeries job log
- System dump resulting from the abend
- CICS transaction dump (if running with CICS)
- The MQSeries, OS/390, CICS, and IMS service levels
- ISPF panel name (if using the MQSeries operations and controls panels)

00D4002D

Explanation: An attempt to write a message to a queue was unsuccessful because of an internal error (for example, a storage overwrite).

Module: CSQMQPOT

System Action: The current execution unit terminates with abend code X'5C6'.

System Programmer Response: Collect the items listed in the Problem Determination section and contact your IBM support center.

Problem Determination: Collect the following diagnostic items:

- A description of the action(s) that led to the abend, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the abend
- MQSeries job log
- System dump resulting from the abend
- CICS transaction dump (if running with CICS)
- The MQSeries, OS/390, CICS, and IMS service levels
- ISPF panel name (if using the MQSeries operations and controls panels)

00D4002E

Explanation: An internal error has occurred.

Module: CSQMSTRT

System Action: The current execution unit terminates with abend code X'5C6'.

System Programmer Response: Collect the items listed in the Problem Determination section and contact your IBM support center.

Problem Determination: Collect the following diagnostic items:

- A description of the action(s) that led to the abend, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the abend
- MQSeries job log
- System dump resulting from the abend
- CICS transaction dump (if running with CICS)
- The MQSeries, OS/390, CICS, and IMS service levels
- ISPF panel name (if using the MQSeries operations and controls panels)

00D4002F

Explanation: An internal error has occurred while processing a channel command.

Module: CSQMPCHL, CSQMRCHL, CSQMSCHL, CSQMTCHL, CSQMVCHL, CSQMSLIS, CSQMTLIS, CSQMDDQM, CSQMSCHI, CSQMTCHI.

System Action: The current execution unit terminates with abend code X'5C6'.

System Programmer Response: Collect the items listed in the Problem Determination section and contact your IBM support center.

Problem Determination: Collect the following diagnostic items:

- A description of the action(s) that led to the abend, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the abend
- MQSeries job log
- System dump resulting from the abend
- CICS transaction dump (if running with CICS)
- The MQSeries, OS/390, CICS, and IMS service levels
- ISPF panel name (if using the MQSeries operations and controls panels)

00D40030

Explanation: The report option requested in a message was not recognized.

Module: CSQMREPM

System Action: The current execution unit terminates with abend code X'5C6'. A dump is produced.

System Programmer Response: Correct the value of the report option field (the value specified is given in register 2).

00D40031

Explanation: An internal error has occurred.

Module: CSQMPOM

System Action: The current execution unit terminates with abend code X'5C6'.

System Programmer Response: Collect the items listed in the Problem Determination section and contact your IBM support center.

Problem Determination: Collect the following diagnostic items:

- A description of the action(s) that led to the abend, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the abend
- MQSeries job log
- System dump resulting from the abend
- CICS transaction dump (if running with CICS)
- The MQSeries, OS/390, CICS, and IMS service levels
- ISPF panel name (if using the MQSeries operations and controls panels)

00D40032

Explanation: An internal error has occurred.

Module: CSQMDRTS

System Action: The current execution unit terminates with abend code X'5C6'.

System Programmer Response: Collect the items listed in the Problem Determination section and contact your IBM support center.

Problem Determination: Collect the following diagnostic items:

- A description of the action(s) that led to the abend, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the abend
- MQSeries job log
- System dump resulting from the abend
- CICS transaction dump (if running with CICS)
- The MQSeries, OS/390, CICS, and IMS service levels
- ISPF panel name (if using the MQSeries operations and controls panels)

00D40033

Explanation: An internal error has occurred while processing a STGCLASS command.

Module: CSQMCNAS

System Action: The current execution unit terminates with abend code X'5C6'.

System Programmer Response: Collect the items listed in the Problem Determination section and contact your IBM support center.

Problem Determination: Collect the following diagnostic items:

- A description of the action(s) that led to the abend, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the abend

- MQSeries job log
- System dump resulting from the abend
- CICS transaction dump (if running with CICS)
- The MQSeries, OS/390, CICS, and IMS service levels
- ISPF panel name (if using the MQSeries operations and controls panels)

00D40034

Explanation: An internal error has occurred.

Module: CSQMQLU

System Action: The current execution unit terminates with abend code X'5C6'.

System Programmer Response: Collect the items listed in the Problem Determination section and contact your IBM support center.

Problem Determination: Collect the following diagnostic items:

- A description of the action(s) that led to the abend, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the abend
- MQSeries job log
- System dump resulting from the abend
- CICS transaction dump (if running with CICS)
- The MQSeries, OS/390, CICS, and IMS service levels
- ISPF panel name (if using the MQSeries operations and controls panels)

00D40035

Explanation: An internal error has occurred.

Module: CSQMOCXQ

System Action: The current execution unit terminates with abend code X'5C6'.

System Programmer Response: Collect the items listed in the Problem Determination section and contact your IBM support center.

Problem Determination: Collect the following diagnostic items:

- A description of the action(s) that led to the abend, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the abend
- MQSeries job log
- System dump resulting from the abend
- CICS transaction dump (if running with CICS)
- The MQSeries, OS/390, CICS, and IMS service levels
- ISPF panel name (if using the MQSeries operations and controls panels)

00D40036

Explanation: An internal error has occurred.

Module: CSQMQLU

System Action: The current execution unit terminates with abend code X'5C6'.

System Programmer Response: Collect the items listed in the Problem Determination section and contact your IBM support center.

Problem Determination: Collect the following diagnostic items:

- A description of the action(s) that led to the abend, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the abend
- MQSeries job log
- System dump resulting from the abend
- CICS transaction dump (if running with CICS)
- The MQSeries, OS/390, CICS, and IMS service levels

- ISPF panel name (if using the MQSeries operations and controls panels)

00D40037

Explanation: An internal error has occurred.

Module: CSQMZXIN.

System Action: The current execution unit terminates with abend code X'5C6'.

System Programmer Response: Collect the items listed in the Problem Determination section and contact your IBM support center.

Problem Determination: Collect the following diagnostic items:

- A description of the action(s) that led to the abend, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the abend
- MQSeries job log
- System dump resulting from the abend
- CICS transaction dump (if running with CICS)
- The MQSeries, OS/390, CICS, and IMS service levels
- ISPF panel name (if using the MQSeries operations and controls panels)

00D40038

Explanation: An internal error has occurred.

Module: CSQMOLQ1.

System Action: The current execution unit terminates with abend code X'5C6'.

System Programmer Response: Collect the items listed in the Problem Determination section and contact your IBM support center.

Problem Determination: Collect the following diagnostic items:

- A description of the action(s) that led to the abend, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the abend
- MQSeries job log
- System dump resulting from the abend
- CICS transaction dump (if running with CICS)
- The MQSeries, OS/390, CICS, and IMS service levels
- ISPF panel name (if using the MQSeries operations and controls panels)

00D40042

Explanation: An internal processing error has occurred. The repository cannot locate an object that it has been asked to release.

Module: CSQMFRC

System Action: The current execution unit terminates with abend code X'5C6'.

System Programmer Response: Collect the items listed in the Problem Determination section and contact your IBM support center.

Problem Determination: Collect the following diagnostic items:

- A description of the action(s) that led to the abend, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the abend
- MQSeries job log
- System dump resulting from the abend
- CICS transaction dump (if running with CICS)
- The MQSeries, OS/390, CICS, and IMS service levels
- ISPF panel name (if using the MQSeries operations and controls panels)

00D401F1

Explanation: Whilst processing a get message request, the specified search type (message identifier or correll identifier) was found to be in error. This indicates a data corruption error.

Module: CSQMCMCI, CSQM1PGW

System Action: The current execution unit terminates with abend code X'5C6'.

System Programmer Response: Collect the items listed in the Problem Determination section and contact your IBM support center.

Problem Determination: Collect the following diagnostic items:

- A description of the action(s) that led to the abend
- MQSeries job log
- System dump resulting from the abend
- The MQSeries, OS/390, CICS, and IMS service levels

00D44001

Explanation: This reason code is issued in message CSQM090E when an MQSeries command has failed. This code indicates that an object of the specified name exists, but is of a different subtype. This can only occur with subtypes of queues or channels. Message CSQM099I is also issued, indicating the object in error.

Module: CSQMMSGP, CSQMUNLS, CSQMUPRO, CSQMUQAL, CSQMUQLC, CSQMUQMD, CSQMUQRM

Severity: 8

System Action: The command is ignored.

System Programmer Response: Reissue the command, ensuring that all object subtypes are correct.

00D44002

Explanation: This reason code is issued in message CSQM090E when an MQSeries command has failed. This code indicates that the object specified on the request does not exist. Message CSQM094I is also issued, indicating the object in error.

It is also issued in message CSQM086E, indicating that the queue manager object could not be located.

Module: CSQMERST, CSQMMSGP, CSQMUNLS, CSQMUPRO, CSQMUQAL, CSQMUQLC, CSQMUQMD, CSQMUQRM

Severity: 8

System Action: For CSQM090E, the command is ignored. For CSQM086E, MQSeries fails to restart.

System Programmer Response: Define the object in question. For the queue manager, reissue the START QMGR command to restart the MQSeries subsystem.

Note: If you are dealing with a queue or channel object, an object of the same name, but of a different subtype, might already exist.

00D44003

Explanation: This reason code is issued in message CSQM090E when an MQSeries command has failed. This code indicates that the object specified on the request already exists. This will only arise when trying to define a new object. Message CSQM095I is also issued.

Module: CSQMMSGP

Severity: 8

System Action: The command is ignored.

System Programmer Response: Use the object in question.

00D44004

Explanation: This reason code is issued in message CSQM090E when an MQSeries command has failed. This code indicates that one or more of the keywords on the command failed the parameter validation rules that apply to them. One or more other more specific messages are also issued, indicating the reason for the validation failure.

Module: CSQMDERM, CSQMMSGP, CSQMUNLS, CSQMUPRO, CSQMUQAL, CSQMUQLC, CSQMUQMD, CSQMUQRM

Severity: 8

System Action: The command is ignored.

System Programmer Response: Refer to the more specific associated message to determine what the error is.

00D44005

Explanation: This reason code is issued in message CSQM090E when an MQSeries command has failed. This code indicates that either:

- The object specified on the request is currently open. This usually happens when an object is in use through the API or a trigger message is being written to it, but it could also arise because the object specified is in the process of being deleted. For a local queue, it can occur because there are messages currently on the queue. Message CSQM101I or CSQM115I is also issued.
- A delete request has been issued for a local queue, but this queue has incomplete units of recovery outstanding for it. Message CSQM110I is also issued.
- A alter, delete, or define request was made against a storage class that is in use (that is, there is a queue defined as using the storage class, and there are messages currently on the queue. Message CSQM101I is also issued.

Module: CSQMMSGP, CSQMUNLS, CSQMUPRO, CSQMUQAL, CSQMUQLC, CSQMUQMD, CSQMUQRM

Severity: 8

System Action: The command is ignored.

System Programmer Response: Refer to the description of message CSQM101I, CSQM110I, or CSQM115I as appropriate.

00D44006

Explanation: This reason code is issued in message CSQM090E when an MQSeries command has failed. This code indicates that a request has been issued to delete a local queue. The PURGE option has not been specified, but there are messages on the queue. Message CSQM103I is also issued.

Module: CSQMUQLC

Severity: 8

System Action: The command is ignored.

System Programmer Response: If the local queue must be deleted, even though there are messages on it, reissue the command with the PURGE option.

00D44007

Explanation: This reason code is issued in message CSQM090E when an MQSeries command has failed. This code indicates that a request has been issued for a local queue that is dynamic, but this queue has been flagged for deletion. Message CSQM104I is also issued.

Module: CSQMMSGP, CSQMUQLC

Severity: 8

System Action: The command is ignored.

System Programmer Response: None, the local queue will be deleted as soon as possible.

00D44008

Explanation: This reason code is issued in message CSQM090E when an MQSeries command has failed. This code indicates that the object specified on the request needs updating because the MQSeries version has changed, but that this cannot be done because the object is currently open. Message CSQM101I is also issued.

Module: CSQMCNA1

Severity: 8

System Action: The command is ignored.

System Programmer Response: Wait until the object is closed and reissue the command.

00D44009

Explanation: This reason code is issued in message CSQM090E when an MQSeries command has failed, and is accompanied by message CSQM112E. It is also issued in message CSQM086E during MQSeries restart. This code indicates that a request has been issued for an object, but an I/O error has been encountered on page set zero. This is probably due to a hardware error of some sort.

Module: CSQMERST, CSQMUNLS, CSQMUPRO, CSQMUQAL, CSQMUQLC, CSQMUQMD, CSQMUQRM

Severity: 8

System Action: The command is ignored or MQSeries fails to restart.

System Programmer Response: Examine the way that your hardware has been set up for possible problems.

00D4400A

Explanation: This reason code is issued in message CSQM090E when an MQSeries command has failed, and is accompanied by message CSQM113E. It is also issued in message CSQM086E during MQSeries restart. This code indicates that a request has been issued for an object, but page set zero is full.

Module: CSQMERST, CSQMUNLS, CSQMUPRO, CSQMUQAL, CSQMUQLC, CSQMUQMD, CSQMUQRM

Severity: 8

System Action: The command is ignored or MQSeries fails to restart.

System Programmer Response: Increase the size of page set zero. Refer to the *MQSeries for OS/390 System Management Guide* for information about how to do this.

00D4400B

Explanation: This reason code is issued in message CSQM090E when an MQSeries command has failed, and is accompanied by message CSQM114E. This code indicates that a request has been issued for a local queue, but no more local queues could be defined. There is an implementation limit of 524287 for the number of local queues that can exist.

Module: CSQMERST

Severity: 4

System Action: The command is ignored.

System Programmer Response: Delete any existing queues that are no longer required.

00D4400C

Explanation: This reason code is issued in message CSQM090E when an MQSeries command has failed. It indicates that the command is not allowed for a particular subtype of an object, as shown in the accompanying more specific message.

Module: CSQMPCHL, CSQMRCHL, CSQMSCHL, CSQMTCHL, CSQMVCHL.

Severity: 4

System Action: The command is ignored.

System Programmer Response: Reissue the command with the object name specified correctly.

00D4400D

Explanation: This reason code is issued in message CSQM090E when an MQSeries command has failed, and is accompanied by message CSQM127I. This code indicates that a request was issued specifying a namelist as a list of cluster names, but there are no names in the namelist.

Module: CSQMQCLU

Severity: 8

System Action: The command is ignored.

System Programmer Response: Specify a namelist that is not empty.

00D4400E

Explanation: This reason code is issued in message CSQM090E when an MQSeries command has failed, or in message CSQM086E during MQSeries restart. This code indicates that a request has been issued for an object, but that a page set that it requires is not defined.

Module: CSQMERST, CSQMUNLS, CSQMUPRO, CSQMUQAL, CSQMUQLC, CSQMUQMD, CSQMUQRM

Severity: 8

System Action: The command is ignored or MQSeries fails to restart.

System Programmer Response: Ensure that the necessary page set is defined in the initialization input data set CSQINP1, and has a DD statement in the MQSeries started task procedure. Restart MQSeries.

00D4400F

Explanation: This reason code is issued in message CSQM090E when an MQSeries command has failed, or in message CSQM086E during MQSeries restart. This code indicates that a request has been issued for an object, but that a page set that it requires is not open.

Module: CSQMERST, CSQMUNLS, CSQMUPRO, CSQMUQAL, CSQMUQLC, CSQMUQMD, CSQMUQRM

Severity: 8

System Action: The command is ignored or MQSeries fails to restart.

System Programmer Response: Ensure that the necessary page set is defined in the initialization input data set CSQINP1, and has a DD statement in the MQSeries started task procedure. Restart MQSeries.

00D44010

Explanation: This reason code is issued in message CSQM090E when an MQSeries command has failed. This code indicates that a request was issued to change the default transmission queue for the queue manager, but the queue is already in use.

Module: CSQMAMMS

Severity: 8

System Action: The command is ignored.

System Programmer Response: Wait until the queue is no longer in use, or choose another queue.

00D44011

Explanation: This reason code is issued in message CSQM090E when an MQSeries command has failed, and is accompanied by message CSQM128E. This code indicates that a request was issued that changed clustering information, but a message could not be sent to the cluster command queue.

Module: CSQMQCLU

Severity: 8

System Action: The command is ignored.

System Programmer Response: Resolve the problem with the cluster command queue.

00D4F001

Explanation: An internal error has occurred.

Module: CSQMRFC

System Action: The current execution unit terminates with abend code X'5C6'.

System Programmer Response: Collect the items listed in the Problem Determination section and contact your IBM support center.

Problem Determination: Collect the following diagnostic items:

- A description of the action(s) that led to the abend, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the abend
- MQSeries job log
- System dump resulting from the abend
- CICS transaction dump (if running with CICS)
- The MQSeries, OS/390, CICS, and IMS service levels
- ISPF panel name (if using the MQSeries operations and controls panels)

Command server codes (X'D5')

00D50101

Explanation: During initialization, the command server was unable to obtain storage. This is probably because there is insufficient storage in your region.

Module: CSQNINS

System Action: Message CSQN104I is sent to the console containing this reason code and the return code from the internal storage macro. None of the commands in the initialization data set currently being processed are performed. MQSeries startup continues.

Note: If there is a storage problem, startup might not be successful.

System Programmer Response: Check that you are running in a region that is large enough, and if not, reset your system and retry the MQSeries initialization procedure. If this is not the cause of the problem, collect the following items and contact your IBM support center:

- Return and reason codes from CSQN104E message
- Trace of startup (if available)

00D50102

Explanation: The command parser has ended abnormally while processing a command in the initialization data set.

Module: CSQNINS

System Action: Message CSQ9029E is produced, followed by message CSQN103I with this code as the return code, and a reason code of -1 indicating that the command was not processed, and a dump is produced. MQSeries processes the next command.

System Programmer Response: Look in the output data set to determine the command in error. Check that the command is correctly formed, that it applies to a valid object.

If the command is correct, collect the following items and contact your IBM support center:

- The input and output data sets
- SVC dump
- Any trace information collected
- Printout of SYS1.LOGREC

00D50103

Explanation: During initialization, an internal error occurred.

Module: CSQNINS

System Action: Message CSQN104I is sent to the OS/390 console, indicating the return and reason codes from the internal macro. The command server stops, without processing any commands.

System Programmer Response: Review the job log for messages about other errors that might be related. If you are unable to solve the problem, collect the following items, and contact your IBM support center:

- Job log or console log
- Return and reason codes from message CSQN104I
- Any trace information collected
- Printout of SYS1.LOGREC

- The dump (if one was produced)

00D50104

Explanation: An internal error occurred during initialization.

Module: CSQNINS

System Action: Message CSQN104I is sent to the OS/390 console, indicating the return and reason codes from the internal macro. The command server stops, without processing any commands.

System Programmer Response: Collect the following items, and contact your IBM support center:

- Job log or console log
- Return and reason codes from message CSQN104I
- Any trace information collected
- Printout of SYS1.LOGREC

00D50105

Explanation: An internal error has occurred.

Module: CSQNINS

System Action: The command server terminates, and a dump is produced.

System Programmer Response: Collect the following items and contact your IBM support center:

- The job log or console log
- Input file containing the command
- Any trace information collected
- Printout of SYS1.LOGREC
- The dump

00D50201

Explanation: The command server was unable to obtain storage while starting up. This is probably because there is insufficient storage in your region.

Module: CSQNRTS

System Action: Message CSQN202I is sent to the OS/390 console, indicating the return code from the internal storage macro. The command server stops, without processing any commands.

System Programmer Response: Check that you are running in a region that is large enough, and if not, reset your system and retry the MQSeries initialization procedure. If this is not the cause of the problem, collect the following items, and contact your IBM support center:

- The job log or console log
- Return and reason codes from message CSQN202I
- Any trace information collected

00D50202

Explanation: An internal error has occurred.

Module: CSQNRTS

System Action: Message CSQN202I is sent to the OS/390 console, indicating the return code from the internal macro. The command server stops, without processing any commands.

System Programmer Response: Review the job log for messages about other errors that might be related. If you are unable to solve the problem, collect the following items, and contact your IBM support center:

- Job log or console log
- Return and reason codes from message CSQN202I
- Any trace information collected
- Printout of SYS1.LOGREC
- The dump (if one was produced)

00D50203

Explanation: An internal error has occurred.

Module: CSQNRTS

System Action: Message CSQN202I is sent to the OS/390 console, indicating the return code from the internal macro. The command server stops, without processing any commands.

System Programmer Response: Collect the following items, and contact your IBM support center:

- Job log or console log
- Return and reason codes from message CSQN202I
- Any trace information collected
- Printout of SYS1.LOGREC

00D50208

Explanation: The command server was unable to obtain storage during startup.

Module: CSQNRTS

System Action: Message CSQN202I is sent to the OS/390 console, indicating the return code from the internal macro. The command server stops, without processing any commands.

System Programmer Response: Collect the following items, and contact your IBM support center:

- Return and reason codes from message CSQN202I
- Any trace information collected

00D50209

Explanation: The command parser has terminated abnormally while processing a command from the command server.

Module: CSQNRTS

System Action: Message CSQN205I is put onto the reply-to queue with COUNT=1, RETURN=00D50209, and REASON=-1 indicating that the command has not been processed. The command server processes the next command when it arrives.

System Programmer Response: Check that the command is correctly formed, that it applies to a valid object.

If the command is correct, collect the following items and contact your IBM support center:

- Any trace information collected
- Printout of SYS1.LOGREC
- The dump (if one was produced)

00D5020C

Explanation: While waiting for a command, the command server did not recognize the reason for the end of the wait. This is because it was not one of the following:

- The arrival of a message
- The STOP CMDSERV command

Module: CSQNRTS

System Action: Messages CSQN203I and CSQN206I are sent to the console, containing the return and reason codes from the request function, and the ECB list.

The command server is terminated and a dump is produced.

System Programmer Response: Collect the following items, and contact your IBM support center:

- Information from messages produced
- System dump
- Any trace data collected
- Printout of SYS1.LOGREC

See the *MQSeries for OS/390 System Management Guide* for details about how to restart the command server.

00D5020E

Explanation: The command processor attempted to get a command from the system-command-input queue, but the attempt was unsuccessful because of an internal error.

Module: CSQNRTS

System Action: The command server continues processing. Message CSQN203I is written to the console containing the return and reason codes from the API call.

System Programmer Response: Collect the following items, and contact your IBM support center:

- Return and reason codes from the messages produced
- Any related output from the message manager

00D5020F

Explanation: The command processor got a command from the system-command-input queue, but was unable to process it because the message was not of type MQMT_REQUEST.

Module: CSQNRTS

System Action: The command processor processes the next command message.

00D50210

Explanation: The command processor got a command from the system-command-input queue, but was unable to process it because the command message was of length zero.

Module: CSQNRTS

System Action: The command processor processes the next command message.

00D50211

Explanation: The command processor got a command from the system-command-input queue, but was unable to process it because the command message consisted of blank characters only.

Module: CSQNRTS

System Action: The command processor processes the next command message.

00D50212

Explanation: The command processor got a command from the system-command-input queue, but was unable to process it because the command message was greater than 32762 characters long.

Module: CSQNRTS

System Action: The command processor processes the next command message.

00D54000

Explanation: An internal error has occurred.

System Action: The command server is terminated and a dump is produced.

System Programmer Response: Collect the following items and contact your IBM support center:

- A description of the action(s) that led to the abend and details of the commands being issued at the time of the failure

- MQSeries job log
- System dump resulting from the abend

See the *MQSeries for OS/390 System Management Guide* for details about how to restart the command server.

00D54nnn

Explanation: The command processor got a command from the system-command-input queue, but was unable to process it because the command message indicated that data conversion was required and an error occurred during conversion. *nnn* is the reason code (in hexadecimal) returned by the MQGET call.

Module: CSQNRTS

System Action: The command processor processes the next command message.

System Programmer Response: Refer to Appendix A, "API completion and reason codes" for information about the reason code *nnn*.

Buffer manager codes (X'D7')

00D70101

Explanation: An attempt to obtain storage for a buffer manager control block (the PANC) was unsuccessful. This is probably because there is insufficient storage in your region.

Module: CSQP1INI

System Action: The MQSeries subsystem is terminated, an entry is written to SYS1.LOGREC, and a dump is produced.

System Programmer Response: Check that you are running in a region that is large enough, and if not, reset your system and retry the MQSeries initialization procedure. If this does not resolve the problem, refer to the Problem Determination section.

Problem Determination: Registers 2 and 0 contain the return and reason codes from the storage management request. Note these values, and contact your IBM support center.

00D70102

Explanation: The name of the subsystem being restarted does not match the subsystem name recorded in a prior checkpoint log record.

Module: CSQPLCUR

System Action: The MQSeries subsystem is terminated, an entry is written to SYS1.LOGREC, and a dump is produced. This ABEND is preceded by message CSQP006I.

System Programmer Response: Correct the MQSeries subsystem JCL statements to refer to the proper bootstrap data set. Alternatively, alter the SYS1.PARMLIB IEFSSNxx statement for the subsystem being restarted to match the name in the log.

Problem Determination: Register 0 contains the subsystem name found in the log record. Register 2 contains the name of the subsystem name being restarted. The print log utility, CSQ1LOGP, can be used to view the subsystem name records in the checkpoint.

You might also find the MQSeries active log data set a useful source of problem determination material.

00D70103

Explanation: An attempt to obtain storage for a buffer manager control block (a PSET) was unsuccessful.

Module: CSQPDSET

System Action: The MQSeries subsystem is terminated, an entry is written to SYS1.LOGREC, and a dump is produced.

Problem Determination: Registers 2 and 0 contain the return and reason codes from the GETMAIN request. Note these values, and contact your IBM support center.

00D70104

Explanation: An attempt to obtain storage for a buffer manager control block (a BHDR) was unsuccessful.

Module: CSQPDBUF, CSQPDSET

System Action: The MQSeries subsystem is terminated, an entry is written to SYS1.LOGREC, and a dump is produced.

Problem Determination: Registers 2 and 0 contain the return and reason codes from the GETMAIN request. Note these values, and contact your IBM support center.

00D70105

Explanation: An internal error has occurred during dynamic page set expansion.

Module: CSQPEXT1

System Action: The current page set extend task is terminated, an entry is written to SYS1.LOGREC, and a dump is produced. No further attempt will be made to expand the page set until the system is restarted. Subsequent dynamic page set extend requests for other page sets are processed.

Problem Determination: Retain the dump, and contact your IBM support center.

00D70106

Explanation: An internal error has occurred.

Module: CSQP1GET

System Action: The MQSeries subsystem is terminated, an entry is written to SYS1.LOGREC, and a dump is produced.

Problem Determination: Retain the system dump and the MQSeries active log data set, and contact your IBM support center for assistance.

00D70108

Explanation: An attempt to obtain storage for the buffer pool was unsuccessful.

Module: CSQP1CON

System Action: The MQSeries subsystem is terminated, an entry is written to SYS1.LOGREC, and a dump is produced.

System Programmer Response: Provide sufficient virtual storage for the number of buffers specified in the DEFINE BUFFPOOL command.

Problem Determination: Register 2 contains the return code from the GETMAIN request. Register 3 contains the buffer pool number.

00D7010A

Explanation: An internal storage error has occurred.

Module: CSQP1CON

System Action: The MQSeries subsystem is terminated, an entry is written to SYS1.LOGREC, and a dump is produced.

System Programmer Response: Provide sufficient virtual storage for the number of buffers specified in the DEFINE BUFFPOOL command.

Problem Determination: Registers 2 and 0 contain the return and reason codes from the GETMAIN request. Register 3 contains the buffer pool number.

00D70112

Explanation: MQSeries was unable to start a critical process during initialization. This could be because there is insufficient storage in your region.

Module: CSQP1INI

System Action: The MQSeries subsystem is terminated, an entry is written to SYS1.LOGREC, and a dump is produced.

System Programmer Response: Check that you are running in a

region that is large enough. If not, reset your system and retry the MQSeries initialization procedure. If this does not resolve the problem, refer to the Problem Determination section.

Problem Determination: Register 0 contains the reason code for the error. Note the abend code and the reason code and contact your IBM support center.

00D70113

Explanation: MQSeries was unable to start a critical process during initialization. This could be because there is insufficient storage in your region.

Module: CSQP1INI

System Action: The MQSeries subsystem is terminated, an entry is written to SYS1.LOGREC, and a dump is produced.

System Programmer Response: Check that you are running in a region that is large enough. If not, reset your system and retry the MQSeries initialization procedure. If this does not resolve the problem, refer to the Problem Determination section.

Problem Determination: Register 0 contains the reason code for the error. Note the abend code and the reason code and contact your IBM support center.

00D70114

Explanation: An internal cross-component consistency check failed.

Module: CSQP1STW, CSQP1RSW, CSQP1REL

System Action: The request is terminated, an entry is written to SYS1.LOGREC, and a dump is produced.

Problem Determination: Register 0 contains the value in error. Note the abend code and the reason code, collect the MQSeries active log data set, and contact your IBM support center.

00D70116

Explanation: An I/O error has occurred.

Module: CSQPEXT1, CSQP2GET, CSQP3DWP, CSQP4DWP

System Action: An entry is written to SYS1.LOGREC, and a dump is produced. In some circumstances, the MQSeries subsystem will terminate. (This depends on the nature of the error, and the page set on which the error occurred.)

Problem Determination: Register 0 contains the Media Manager reason code from an MMCALL call. See the *MVS/DFP Diagnosis Reference* manual for information about return codes from the Media Manager. If you do not have access to the required manual, contact your IBM support center, quoting the Media Manager reason code.

You might also find the MQSeries active log data set a useful source of problem determination material.

00D70117

Explanation: An internal error has occurred while MQSeries was terminating.

Module: CSQP3DWP

System Action: The MQSeries subsystem is terminated, an entry is written to SYS1.LOGREC, and a dump is produced.

Problem Determination: Retain the dump and a copy of the MQSeries active log data set, and contact your IBM support center.

00D70118

Explanation: A page was about to be written to a page set, but was found to have improper format. The executing thread is terminated. (If this is the deferred write processor, the queue manager is terminated)

Module: CSQP3DWP, CSQP2GET

System Action: The current execution unit terminates with abend code X'5C6', and a dump is produced. Restart the queue manager, and if the abend is repeated call your IBM support center.

System Programmer Response: Collect the items listed in the Problem Determination section and contact your IBM support center.

Problem Determination: Collect the following diagnostic items:

- A description of the action(s) that led to the abend, or if applicable, a listing of the application program, or the input string to a utility program, being run at the time of the abend
- MQSeries job log
- The MQSeries active log data set
- System dump resulting from the abend
- CICS transaction dump (if running with CICS)
- The MQSeries, OS/390, CICS, and IMS service levels
- ISPF panel name (if using the MQSeries operations and controls panels)

00D70122

Explanation: An unrecoverable error has occurred during check point.

Module: CSQPECKW

System Action: The MQSeries subsystem is terminated, an entry is written to SYS1.LOGREC, and a dump is produced.

Problem Determination: Register 0 contains the reason code for the error. Note the abend code and the reason code, collect the MQSeries active log data set, and contact your IBM support center.

00D70133

Explanation: An internal consistency check failed.

Module: CSQP2GET

System Action: The request is terminated, an entry is written to SYS1.LOGREC, and a dump is produced.

Problem Determination: Note the abend code and the reason code in Register 15 collect the MQSeries active log data set, and contact your IBM support center.

Recovery manager codes (X'D9')

00D90000

Explanation: A recovery manager module received control from its FRR for retry and found an invalid retry point identifier.

Module: The name of the module in which the error occurred appears in the SYS1.LOGREC entry showing this reason code in register 15.

System Action: Standard MQSeries diagnostic information is provided. The error is recorded in SYS1.LOGREC, an SVC dump is scheduled, and MQSeries subsystem termination is requested. The subsystem termination reason code reflects the function for which retry was unsuccessfully attempted.

Operator Response: Print SYS1.LOGREC, and restart MQSeries.

System Programmer Response: This is a secondary subsystem error. Obtain a copy of SYS1.LOGREC and the SVC dump for this error and for the original problem that resulted in the retry attempt.

Problem Determination: Examine the SYS1.LOGREC information and the dumps from both the original and the secondary error to determine if the recovery parameter area was damaged or if retry incorrectly restored registers for the mainline module.

00D90002

Explanation: The recovery manager startup notification routine received an error return code from the recovery log manager when attempting to read a recovery manager status table (RMST) record from the bootstrap data set (BSDS) in one of the following cases:

- When reading the record containing the RMST header. The first copy was successfully read, but the second copy could not be found.
- When reading records containing the RMST entries. A *no record found* condition was encountered before all entries were read.
- When reading either a header record or an entry record. The record exceeded its expected length.

This is an MQSeries subsystem error.

Module: CSQRIT03

System Action: The recovery manager has no functional recovery routine (FRR) in place when this abend occurs. It relies on its invoker, the facility startup function, to perform SYS1.LOGREC recording and to request a dump. The MQSeries subsystem then terminates with a 00E80100 abend reason code.

System Programmer Response: The system has determined that the BSDS that it was reading has been corrupted. If you are running in a dual BSDS environment, determine which BSDS is corrupt, and follow the procedures described in the *MQSeries for OS/390 System Management Guide* to recover it from the valid BSDS.

If you are running in a single BSDS environment, refer to the *MQSeries for OS/390 System Management Guide*, which describes the procedures needed to recover your BSDS from an archived BSDS.

00D92001

Explanation: The checkpoint/restart serial controller FRR invoked MQSeries subsystem termination, because an unrecoverable error was detected while processing a request.

This is an MQSeries subsystem termination reason code. For further information, see the *MQSeries for OS/390 Problem Determination Guide*.

Module: CSQRCRSC

System Action: Subsystem termination is initiated. Standard MQSeries diagnostic information is recorded in SYS1.LOGREC, and an SVC dump is requested for the associated abend.

Operator Response: Print SYS1.LOGREC, and restart MQSeries.

System Programmer Response: Obtain a copy of the SYS1.LOGREC and the SVC dump for the original error, and follow the instructions associated with it.

Problem Determination: See the original error.

00D92003

Explanation: The restart request servicer FRR invoked MQSeries subsystem termination, because an unrecoverable error was detected while processing a restart request.

This is an MQSeries subsystem termination reason code. For further information, see the *MQSeries for OS/390 Problem Determination Guide*.

Module: CSQRRRQS

System Action: Standard MQSeries diagnostic information is recorded in SYS1.LOGREC, and an SVC dump is requested for the original error before MQSeries subsystem termination is initiated.

Operator Response: Print SYS1.LOGREC, and restart MQSeries.

System Programmer Response: Obtain a copy of SYS1.LOGREC and the SVC dump for the original error.

Problem Determination: See the original error.

00D92004

Explanation: The shutdown checkpoint controller FRR invoked MQSeries subsystem termination, because an unrecoverable error was detected while processing a shutdown checkpoint request.

This is an MQSeries subsystem termination reason code. For further information, see the *MQSeries for OS/390 Problem Determination Guide*.

Module: CSQRCSHT

System Action: Standard MQSeries diagnostic information is recorded in SYS1.LOGREC, and an SVC dump is requested for the original error before MQSeries subsystem termination is initiated.

Operator Response: Print SYS1.LOGREC, and restart MQSeries.

System Programmer Response: Obtain a copy of SYS1.LOGREC and the SVC dump for the original error.

Problem Determination: See the original error.

00D92011

Explanation: An internal error has occurred.

Module: CSQRPBCW

System Action: The checkpoint process will ABEND to prevent a damaged URE from being written out to the log, and the subsystem will be terminated. This is to prevent the loss or incorrect processing of an MQSeries unit of recovery (UR). MQSeries Restart will use the previous checkpoint and apply all the MQSeries log records up to the point of the problem. Standard MQSeries diagnostic information is recorded in SYS1.LOGREC, and an SVC dump is scheduled.

Operator Response: Restart MQSeries.

System Programmer Response: Collect the following items, and contact your IBM support center:

- Console output
- SVC dump
- Printout of SYS1.LOGREC

00D92012

Explanation: An internal error has occurred.

Module: CSQRPBCW

System Action: The checkpoint process will abend to prevent a damaged RURE from being written out to the log, and the subsystem will be terminated. This is to prevent the loss or incorrect processing of an MQSeries unit of recovery. MQSeries Restart will use the previous checkpoint and apply all the MQSeries log records up to the point of the problem. Standard MQSeries diagnostic information is recorded in SYS1.LOGREC, and an SVC dump is scheduled.

Operator Response: Restart MQSeries.

System Programmer Response: Collect the following items, and contact your IBM support center:

- Console output
- SVC dump
- Printout of SYS1.LOGREC

00D92021

Explanation:

Module: CSQRPLCS

System Action: The restart processing will abend, which will terminate the subsystem. This is to prevent the loss or incorrect processing of an MQSeries unit of recovery.

Operator Response: Do not attempt to restart MQSeries until the error is resolved. Notify the system programmer.

System Programmer Response: The log has become corrupted. If you are running with dual logging, try to start MQSeries from the undamaged log.

If you are unable to do achieve this, use the following procedure (you will lose all updates since your last backup):

1. Clear the logs
2. Run the RESETPAGE function of the CSQUTIL utility against your last good set of backups
3. Restart your MQSeries subsystem

See the *MQSeries for OS/390 System Management Guide* for information about restarting MQSeries from one log when using dual logging, and using the CSQUTIL utility. If you are unable to resolve the problem, contact your IBM support center.

00D92022

Explanation: An internal error has occurred.

Module: CSQRPLCS

System Action: The restart processing will abend, which will terminate the subsystem. This is to prevent the loss or incorrect processing of an MQSeries unit of recovery.

Operator Response: Do not attempt to restart MQSeries until the error is resolved. Notify the system programmer.

System Programmer Response: The log has become corrupted. If you are running with dual logging, try to start MQSeries from the undamaged log.

If you are unable to do achieve this, use the following procedure (you will lose all updates since your last backup):

1. Clear the logs
2. Run the RESETPAGE function of the CSQUTIL utility against your last good set of backups
3. Restart your MQSeries subsystem

See the *MQSeries for OS/390 System Management Guide* for information about restarting MQSeries from one log when using dual logging, and using the CSQUTIL utility. If you are unable to resolve the problem, contact your IBM support center.

00D93001

Explanation: The commit/backout FRR invoked MQSeries subsystem termination, because an unrecoverable error was detected during 'must-complete' processing for phase 2 of a commit-UR request.

This is an MQSeries subsystem termination reason code. For further information, see the *MQSeries for OS/390 Problem Determination Guide*.

Module: CSQRCAFR, CSQRUC02

System Action: Standard MQSeries diagnostic information is recorded in SYS1.LOGREC, and an SVC dump is requested for the original error before MQSeries subsystem termination is initiated.

Operator Response: Restart MQSeries.

System Programmer Response: Obtain a copy of SYS1.LOGREC and the SVC dump for the original error.

Problem Determination: See the original error.

00D93011

Explanation: A subcomponent of MQSeries invoked commit when the agent state was invalid for commit-UR invocation. Commit-UR was requested for an agent that was modifying data. Either commit-UR or backout-UR was already in process, or the recovery structure (URE) was damaged.

Module: CSQRUC01

System Action: Abnormal termination of the agent results, including backing out (backout-UR) of its activity to the previous point of consistency. This releases all locks held by the agent for its resources.

Standard MQSeries diagnostic information is recorded in SYS1.LOGREC, and an SVC dump is scheduled. Additional information, identified in the SDWA variable recording area (VRA) by reason code 00D9CCCC, is added to the VRA. For information about the VRA, see the *MQSeries for OS/390 Problem Determination Guide*.

If the agent was in a 'must-complete' state (in-commit2 or in-backout), the MQSeries subsystem is also terminated with reason

code 00D93001. When the subsystem is next restarted, recoverable activity for this agent (such as an ensure-backout or ensure-commit UR) is handled to complete the commit or backout process.

System Programmer Response: This is an MQSeries subsystem error. Collect the materials mentioned in the problem determination section of this message.

Problem Determination: Examine the SYS1.LOGREC data and the dump to establish whether either commit-UR was invoked incorrectly or the control structure that reflects the state was damaged.

00D93012

Explanation: A subcomponent of MQSeries invoked commit when the agent state was invalid for commit-UR invocation. Commit-UR was invoked for an agent that was only retrieving data. Either commit-UR or backout-UR was already in process, or the ACE progress state field was damaged.

Module: CSQRUC01

System Action: Abnormal termination of the agent results, including backing out (backout-UR) of its activity to the previous point of consistency. This releases all locks held by the agent for its resources.

Standard MQSeries diagnostic information is recorded in SYS1.LOGREC, and an SVC dump is scheduled. Additional information, identified in the SDWA variable recording area (VRA) by reason code 00D9CCCC, is added to the SDWA VRA. See the *MQSeries for OS/390 Problem Determination Guide* for more information about the VRA.

System Programmer Response: This is an MQSeries subsystem error. Examine the SYS1.LOGREC data and the dump to establish whether either commit-UR was invoked incorrectly or the control structure was damaged.

00D93100

Explanation: This reason code indicates that an MQSeries allied agent does not need to participate in the Phase-2 (Continue Commit) call, because all required work has been accomplished during the Phase-1 (Prepare) call.

This reason code is generated by the recovery manager when it is determined that an MQSeries allied agent has not updated any MQSeries resource since its last commit processing occurred.

Module: CSQRUC01

System Action: The 'yes' vote is registered with the commit coordinator.

System Programmer Response: None should be required because this is not an error reason code. This reason code is used for communication between components of the MQSeries subsystem.

00D94001

Explanation: The commit/backout FRR invoked MQSeries subsystem termination, because an unrecoverable error was detected during 'must-complete' processing for a backout-UR request.

This is an MQSeries subsystem termination reason code. For further information, see the *MQSeries for OS/390 Problem Determination Guide*.

Module: CSQRCAFR, CSQRUA02

System Action: Standard MQSeries diagnostic information is recorded in SYS1.LOGREC, and an SVC dump is requested for the original error before MQSeries subsystem termination is initiated.

Operator Response: Restart MQSeries.

System Programmer Response: Obtain a copy of SYS1.LOGREC and the SVC dump for the original error.

Problem Determination: See the reason code for the original error.

00D94011

Explanation: A subcomponent of MQSeries invoked backout at a point when the agent state is invalid for invoking the function that backs out units of recovery. Either backout-UR or commit-UR phase-2 was already in process, or the agent structure was damaged.

Module: CSQRUA01

System Action: Abnormal termination of the agent results and, because the agent is in a 'must-complete' state, the MQSeries subsystem is terminated with reason code 00D94001. When the MQSeries subsystem is restarted, recoverable activity for this agent is handled to complete the commit or backout process.

Standard MQSeries diagnostic information is recorded in SYS1.LOGREC, and an SVC dump is scheduled. Additional information, identified in the SDWA variable recording area (VRA) by reason code 00D9AAAA, is added to the SDWA VRA. See the *MQSeries for OS/390 Problem Determination Guide* for more information about the VRA.

System Programmer Response: This is an MQSeries subsystem error. Examine the SYS1.LOGREC data and the dump to establish whether commit-UR was invoked incorrectly or the control structure was damaged.

00D94012

Explanation: During backout, the end of the log was read before all the expected log ranges had been processed. The abend is accompanied by an MQSeries abnormal subsystem termination with reason code X'00D94001'.

This could be because MQSeries has been started with a system parameter load module that specifies OFFLOAD=NO rather than OFFLOAD=YES.

Module: CSQRUA02

System Action: The agent is abnormally terminated with abend code X'5C6' Because the agent is in a must-complete state, the MQSeries subsystem is terminated with reason code X'00D94001' and message CSQV086E.

Standard MQSeries diagnostic information is recorded in SYS1.LOGREC. and an SVC dump is requested.

Operator Response:

1. Run the print log map utility to print the content of both BSDSs
2. Print SYS1.LOGREC
3. Use the OS/390 DISPLAY DUMP command to get the failure reason code from dump title
4. Notify your system programmer

System Programmer Response: Obtain a copy of the SYS1.LOGREC and the SVC dump for the original error. See the information about recovering and restarting MQSeries in the *MQSeries for OS/390 System Management Guide* before restarting.

Problem Determination: At the time of the abend, registers 3 and 4 contain the 6-byte relative byte address (RBA) of the beginning of this unit of recovery. MQSeries must read the log back to this point to complete the backout of this unit of recovery.

To restart MQSeries, you must add the missing archive log datasets back to the BSDS with the change log inventory utility, and increase the MAXARCH parameter in the CSQ6LOGP macro (the system parameter module log initialization macro) to complete the backout.

If the missing archive log is not available, or if archiving was not active, MQSeries can not be restarted unless the log data sets and page sets are all reinitialized or restored from backup copies. Data will be lost as a result of this recovery action.

00D95001

Explanation: The recovery manager's common FRR invoked MQSeries subsystem termination, because an unrecoverable error was detected during checkpoint processing.

This is an MQSeries subsystem termination reason code. For further information, see the *MQSeries for OS/390 Problem Determination Guide*.

Module: CSQRCRFR, CSQRCPRC

System Action: Standard MQSeries diagnostic information is recorded in SYS1.LOGREC, and an SVC dump is requested for the original error before MQSeries subsystem termination is initiated.

Operator Response: Restart MQSeries.

System Programmer Response: Obtain a copy of SYS1.LOGREC and the SVC dump for the original error.

Problem Determination: See the original error.

00D95011

Explanation: The recovery manager checkpoint FRR invoked MQSeries subsystem termination, because an unrecoverable error was detected while performing its checkpoint functions.

This is an MQSeries subsystem termination reason code. For further information, see the *MQSeries for OS/390 Problem Determination Guide*.

Module: CSQRPBCW

System Action: Standard MQSeries diagnostic information is recorded in SYS1.LOGREC, and an SVC dump is requested for the original error before MQSeries subsystem termination is initiated.

Operator Response: Restart MQSeries.

System Programmer Response: Obtain a copy of the SYS1.LOGREC and the SVC dump for the original error.

Problem Determination: See the original error.

00D96001

Explanation: The recovery manager's restart FRR invoked MQSeries subsystem termination, because an unrecoverable error was detected during the restart processor processing.

This is an MQSeries subsystem termination reason code. For further information, see the *MQSeries for OS/390 Problem Determination Guide*.

Module: CSQRCRFR, CSQRRRAUB, CSQRRCSL, CSQRRCSR, CSQRRHSL, CSQRRHSR, CSQRRPMU, CSQRRPRC

System Action: Standard MQSeries diagnostic information is recorded in SYS1.LOGREC, and an SVC dump is requested for the original error before MQSeries subsystem termination is initiated.

Operator Response: Restart MQSeries.

System Programmer Response: Obtain a copy of the SYS1.LOGREC and the SVC dump for the original error.

Problem Determination: See the original error.

00D96011

Explanation: The restart participation FRR invoked MQSeries subsystem termination, because an unrecoverable error was detected while processing log records during restart.

This is an MQSeries subsystem termination reason code. For further information, see the *MQSeries for OS/390 Problem Determination Guide*.

Module: CSQRPBCS

System Action: Standard MQSeries diagnostic information is recorded in SYS1.LOGREC, and an SVC dump is requested for the original error before MQSeries subsystem termination is initiated.

Operator Response: Restart MQSeries when the problem has been corrected.

System Programmer Response: Obtain a copy of the SYS1.LOGREC and the SVC dump for the original error.

Problem Determination: See the original error.

00D96021

Explanation: The MQSeries subsystem was terminated during restart because an error occurred while attempting to read the log forward MODE(DIRECT). It is accompanied by a recovery log manager abend X'5C6' with a reason code describing the specific error.

Each time a portion of the log is skipped, a 'read direct' is used to validate the beginning RBA of the portion that is read.

This is an MQSeries subsystem termination reason code. For further information, see the *MQSeries for OS/390 Problem Determination Guide*.

Module: CSQRRHSR, CSQRRCSR

System Action: Standard MQSeries diagnostic information is recorded in SYS1.LOGREC, and an SVC dump is requested for the original error before MQSeries subsystem termination is initiated.

Operator Response:

1. Run the print log map utility to print the contents of both BSDSs.
2. Follow instructions for the accompanying recovery log manager error. Use the OS/390 command DISPLAY DUMP,TITLE to get the reason code for the error from the dump title.

System Programmer Response: Obtain a copy of the SYS1.LOGREC and the SVC dump for the original error. If possible, remove the cause of original error and restart MQSeries. If you cannot correct the error, contact your IBM support center.

00D96022

Explanation: The restart FRR invoked abend, because, while reading the log forward during restart, the end-of-log was read before all recovery log scopes had been processed. It is followed by MQSeries abnormal subsystem termination with the same reason code (00D96022).

This is an MQSeries subsystem termination reason code. For further information, see the *MQSeries for OS/390 Problem Determination Guide*.

Module: CSQRRHSR

System Action: Standard MQSeries diagnostic information is recorded in SYS1.LOGREC, and an SVC dump is requested for the abend before MQSeries subsystem termination is initiated.

Operator Response:

1. Run the print log map utility to print the contents of both BSDSs.

2. Follow instructions for the accompanying recovery log manager error. Use the OS/390 command DISPLAY DUMP,TITLE to get the reason code for the error from the dump title.

System Programmer Response: Obtain a copy of the SYS1.LOGREC and the SVC dump for the original error. If you cannot correct the error, contact your IBM support center.

Problem Determination: At the time of the abend, registers 2 and 3 (as shown in the dump or in SYS1.LOGREC) contain the 6-byte relative byte address (RBA) of the last log record that was read before end-of-log was encountered.

00D96031

Explanation: The restart FRR invoked MQSeries subsystem termination, because an error occurred while attempting to read the log backward MODE(DIRECT). It is accompanied by a recovery log manager abend X'5C6' with a reason code describing the specific error.

Each time a portion of the log is skipped, a 'read direct' is used to validate the beginning RBA of the portion that is read.

This is an MQSeries subsystem termination reason code. For further information, see the *MQSeries for OS/390 Problem Determination Guide*.

Module: CSQRRRAUB

System Action: Standard MQSeries diagnostic information is recorded in SYS1.LOGREC, and an SVC dump is requested for the original error before MQSeries subsystem termination is initiated.

Operator Response:

1. Run the print log map utility to print the contents of both BSDSs.
2. Follow instructions for the accompanying recovery log manager error. Use the OS/390 command DISPLAY DUMP,TITLE to get the reason code for the error from the dump titles.
3. Restart MQSeries.

System Programmer Response: Obtain a copy of the SYS1.LOGREC and the SVC dump for the original error.

Problem Determination: See the accompanying abend reason code.

00D96032

Explanation: During restart, the end of the log was read before all the expected log ranges had been processed. The abend is accompanied by an MQSeries abnormal subsystem termination with the same reason code (00D96032).

This is an MQSeries subsystem termination reason code. For further information, see the *MQSeries for OS/390 Problem Determination Guide*.

Module: CSQRRRAUB

System Action: Standard MQSeries diagnostic information is recorded in SYS1.LOGREC. An SVC dump is requested. The MQSeries subsystem is terminated with message CSQV086E.

Operator Response:

1. Run the print log map utility to print the contents of both BSDSs.
2. Use the OS/390 command DISPLAY DUMP,TITLE to get the reason code for the error from the dump title.

System Programmer Response: Obtain a copy of the SYS1.LOGREC and the SVC dump for the original error. Determine where the log went. See the *MQSeries for OS/390 System Management Guide* before restarting.

Problem Determination: At the time of the abend, registers 2 and 3 contain the 6-byte relative byte address (RBA) of the last log record that was read before end-of-log was encountered.

00D97001

Explanation: The agent concerned was cancelled while waiting for the RECOVER-UR service to complete.

Module: CSQRRURS

System Action: The RECOVER-UR function is completed. Abnormal termination of the requesting agent occurs. Standard MQSeries diagnostic information is recorded in SYS1.LOGREC, and an SVC dump is requested.

The condition that caused cancellation of the agent was installation initiated (for example, a *forced* termination of the MQSeries subsystem).

00D97011

Explanation: The MQSeries subsystem was terminated during RECOVER-UR because an unrecoverable error was detected during RECOVER-UR (CSQRRUPR) recovery processing.

This is an MQSeries subsystem termination reason code. For further information, see the *MQSeries for OS/390 Problem Determination Guide*.

Module: CSQRCRFR, CSQRRULC, CSQRRUPR

System Action: Standard MQSeries diagnostic information is recorded in SYS1.LOGREC, and an SVC dump is requested. MQSeries subsystem terminates with message CSQV086E and return code 00D97011.

System Programmer Response: Determine the original error. If the error is log-related, see the *MQSeries for OS/390 System Management Guide* before restarting MQSeries.

Problem Determination: See the original error.

00D97012

Explanation: The RECOVER-UR request servicer FRR invoked MQSeries subsystem termination, because an unrecoverable error was detected while attempting to recover a unit of recovery.

This is an MQSeries subsystem termination reason code. For further information, see the *MQSeries for OS/390 Problem Determination Guide*.

Module: CSQRRURS

System Action: Standard MQSeries diagnostic information is recorded in SYS1.LOGREC, and an SVC dump is requested for the original error before MQSeries subsystem termination is initiated.

Operator Response: Restart MQSeries.

System Programmer Response: Obtain a copy of the SYS1.LOGREC and the SVC dump for the original error.

Problem Determination: See the original error.

00D97021

Explanation: The RECOVER-UR FRR invoked MQSeries subsystem termination, because an error occurred while attempting to read the log MODE(DIRECT) during forward processing. It is accompanied by a recovery log manager abend X'5C6' with a reason code describing the specific error.

Each time a portion of the log is skipped, a 'read direct' is used to validate the beginning RBA of the portion that is read.

This is an MQSeries subsystem termination reason code. For further information, see the *MQSeries for OS/390 Problem Determination Guide*.

Module: CSQRRULC

System Action: Standard MQSeries diagnostic information is recorded in SYS1.LOGREC, and an SVC dump is requested for the original error before MQSeries subsystem termination is initiated.

Operator Response:

1. Run the print log map utility to print the contents of both BSDSs.
2. Follow instructions for the accompanying recovery log manager error. Use the OS/390 command DISPLAY DUMP,TITLE to get the reason code for the error from the dump titles.
3. Restart MQSeries.

System Programmer Response: Obtain a copy of the SYS1.LOGREC and the SVC dump for the original error.

Problem Determination: See the accompanying abend reason code.

00D97022

Explanation: The RECOVER-UR invoked abend because end-of-log was reached before all ranges had been processed for forward recovery. This abend is accompanied by an MQSeries abnormal termination with the same reason code (00D97022).

This is an MQSeries subsystem termination reason code. For further information, see the *MQSeries for OS/390 Problem Determination Guide*.

Module: CSQRRULC

System Action: Standard MQSeries diagnostic information is recorded in SYS1.LOGREC, and an SVC dump is requested for the original error before MQSeries subsystem termination is initiated.

Operator Response:

1. Run the print log map utility to print the contents of both BSDSs.
2. Follow instructions for the accompanying recovery log manager error. Use the OS/390 command DISPLAY DUMP,TITLE to get the reason code for the error from the dump titles.
3. Restart MQSeries.

System Programmer Response: Obtain a copy of the SYS1.LOGREC and the SVC dump for the original error.

Problem Determination: At the time of the abend, registers 2 and 3 contain the 6-byte relative byte address (RBA) of the last log record that was read before end-of-log was encountered.

00D97031

Explanation: The RECOVER-UR FRR invoked MQSeries subsystem termination, because an error occurred during an attempt to read the log MODE(DIRECT) while reading the log backward. It is accompanied by a recovery log manager abend X'5C6' with a reason code describing the specific error.

Each time a portion of the log is skipped, a 'read direct' is used to validate the begin-scope RBA of the portion that is read.

This is an MQSeries subsystem termination reason code. For further information, see the *MQSeries for OS/390 Problem Determination Guide*.

Module: CSQRRULC

System Action: Standard MQSeries diagnostic information is recorded in SYS1.LOGREC, and an SVC dump is requested for the original error before MQSeries subsystem termination is initiated.

Operator Response:

1. Run the print log map utility to print the contents of both BSDSs.
2. Follow instructions for the accompanying recovery log manager error. Use the OS/390 command DISPLAY DUMP,TITLE to get the reason code for the error from the dump titles.
3. Restart MQSeries.

System Programmer Response: Obtain a copy of the SYS1.LOGREC and the SVC dump for the original error.

Problem Determination: See recovery log manager abend reason code.

00D97032

Explanation: The RECOVER-UR invoked abend because end-of-log was reached before all ranges had been processed for backward recovery. This abend is accompanied by an MQSeries abnormal termination with the same reason code (00D97032).

This is an MQSeries subsystem termination reason code. For further information, see the *MQSeries for OS/390 Problem Determination Guide*.

Module: CSQRRULC

System Action: Standard MQSeries diagnostic information is recorded in SYS1.LOGREC, and an SVC dump is requested for the original error before MQSeries subsystem termination is initiated.

Operator Response:

1. Run the print log map utility to print the contents of both BSDSs.
2. Follow instructions for the accompanying recovery log manager error. Use the OS/390 command DISPLAY DUMP,TITLE to get the reason code for the error from the dump titles.
3. Restart MQSeries.

System Programmer Response: Obtain a copy of the SYS1.LOGREC and the SVC dump for the original error.

Problem Determination: At the time of the abend, registers 2 and 3 contain the 6-byte relative byte address (RBA) of the last log record that was read before end-of-log was encountered.

00D98001

Explanation: The recovery manager's common FRR invoked MQSeries subsystem termination, because an unrecoverable error was detected during indoubt-UR processing.

This is an MQSeries subsystem termination reason code. For further information, see the *MQSeries for OS/390 Problem Determination Guide*.

Module: CSQRCFR

System Action: Standard MQSeries diagnostic information is recorded in SYS1.LOGREC, and an SVC dump is requested for the original error before MQSeries subsystem termination is initiated.

Operator Response: Restart MQSeries.

System Programmer Response: Obtain a copy of the SYS1.LOGREC and the SVC dump for the original error.

Problem Determination: See the original error.

00D98011

Explanation: The FRR for the resolved-indoubt-UR request servicer invoked MQSeries subsystem termination, because an unrecoverable error was detected processing a request.

This is an MQSeries subsystem termination reason code. For further information, see the *MQSeries for OS/390 Problem Determination Guide*.

Module: CSQRIURS

System Action: Standard MQSeries diagnostic information is recorded in SYS1.LOGREC, and an SVC dump is requested for the original error before MQSeries subsystem termination is initiated.

Operator Response: Restart MQSeries.

System Programmer Response: Obtain a copy of the SYS1.LOGREC and the SVC dump for the original error.

Problem Determination: See the accompanying abend reason code.

00D98021

Explanation: The resolved indoubt FRR invoked MQSeries subsystem termination because of an error while attempting to read the log MODE(DIRECT) during forward recovery. It is accompanied by a recovery log manager abend X'5C6' with a reason code describing the specific error.

Each time a portion of the log is skipped, a 'read direct' is used to validate the beginning RBA of the portion that is read.

This is an MQSeries subsystem termination reason code. For further information, see the *MQSeries for OS/390 Problem Determination Guide*.

Module: CSQRRIRD

System Action: Standard MQSeries diagnostic information is recorded in SYS1.LOGREC, and an SVC dump is requested for the original error before MQSeries subsystem termination is initiated.

Operator Response:

1. Run the print log map utility to print the contents of both BSDSs.
2. Follow instructions for the accompanying recovery log manager error. Use the OS/390 command DISPLAY DUMP,TITLE to get the reason code for the error from the dump titles.
3. Restart MQSeries.

System Programmer Response: Obtain a copy of the SYS1.LOGREC and the SVC dump for the original error.

Problem Determination: See the accompanying abend reason code.

00D98022

Explanation: Resolved indoubt invoked abend when end-of-log was reached before all ranges had been processed for forward recovery. This abend is accompanied by abnormal MQSeries subsystem termination with the same reason code (00D98022).

This is an MQSeries subsystem termination reason code. For further information, see the *MQSeries for OS/390 Problem Determination Guide*.

Module: CSQRRIRD

System Action: Standard MQSeries diagnostic information is recorded in SYS1.LOGREC, and an SVC dump is requested for the original error before MQSeries subsystem termination is initiated.

Operator Response:

1. Run the print log map utility to print the contents of both BSDSs.
2. Follow instructions for the accompanying recovery log manager error. Use the OS/390 command DISPLAY DUMP,TITLE to get the reason code for the error from the dump titles.
3. Restart MQSeries.

System Programmer Response: Obtain a copy of the SYS1.LOGREC and the SVC dump for the original error.

Problem Determination: At the time of the abend, registers 2 and 3 contain the 6-byte relative byte address (RBA) of the last log record that was read before end-of-log was encountered.

00D98031

Explanation: The resolved indoubt FRR invoked MQSeries subsystem termination, because an error occurred during an attempt to read the log MODE(DIRECT) while reading the log backward. It is accompanied by a recovery log manager abend X'5C6' with a reason code describing the specific error.

Each time a portion of the log is skipped, a 'read direct' is used to validate the begin-scope RBA of the portion that is read.

This is an MQSeries subsystem termination reason code. For further information, see the *MQSeries for OS/390 Problem Determination Guide*.

Module: CSQRRRIUN

System Action: Standard MQSeries diagnostic information is recorded in SYS1.LOGREC, and an SVC dump is requested for the original error before MQSeries subsystem termination is initiated.

Operator Response:

1. Run the print log map utility to print the contents of both BSDSs.
2. Follow instructions for the accompanying recovery log manager error. Use the OS/390 command DISPLAY DUMP,TITLE to get the reason code for the error from the dump titles.
3. Restart MQSeries.

System Programmer Response: Obtain a copy of the SYS1.LOGREC and the SVC dump for the original error.

Problem Determination: See the accompanying abend reason code.

00D98032

Explanation: The resolved indoubt FRR invoked an abend when end-of-log was reached before all ranges had been processed for backward recovery. This abend is accompanied by abnormal MQSeries subsystem termination with the same reason code (00D98032).

This is an MQSeries subsystem termination reason code. For further information, see the *MQSeries for OS/390 Problem Determination Guide*.

Module: CSQRRRIUN

System Action: Standard MQSeries diagnostic information is recorded in SYS1.LOGREC, and an SVC dump is requested for the original error before MQSeries subsystem termination is initiated.

Operator Response:

1. Run the print log map utility to print the contents of both BSDSs.
2. Follow instructions for the accompanying recovery log manager error. Use the OS/390 command DISPLAY DUMP,TITLE to get the reason code for the error from the dump titles.
3. Restart MQSeries.

System Programmer Response: Obtain a copy of the SYS1.LOGREC and the SVC dump for the original error.

00D9AAAA • 00D9EEEE

Problem Determination: At the time of the abend, registers 2 and 3 contain the 6-byte relative byte address (RBA) of the last log record that was read before end-of-log was encountered.

00D9AAAA

Explanation: This reason code identifies additional data stored in the system diagnostic work area (SDWA) variable recording area (VRA) following an error during backout-UR.

Module: CSQRCAFR

System Action: Data is stored in the field indicated by VRA key 38 following the EBCDIC string 'RMC-COMMIT/BACKOUT'. This information is useful for IBM service personnel.

System Programmer Response: Quote this code, and the contents of the VRA field indicated by key 38 when contacting your IBM support center. For information about the VRA, see the *MQSeries for OS/390 Problem Determination Guide*.

00D9BBBB

Explanation: This reason code identifies additional data stored in the system diagnostic work area (SDWA) variable recording area (VRA) following an error during begin-UR.

Module: CSQRUB01

System Action: Data is stored in the field indicated by VRA key 38. This information is useful for IBM service personnel.

System Programmer Response: Quote this code, and the contents of the VRA field indicated by key 38 when contacting your

IBM support center. For information about the VRA, see the *MQSeries for OS/390 Problem Determination Guide*.

00D9CCCC

Explanation: This reason code identifies additional data stored in the system diagnostic work area (SDWA) variable recording area (VRA) following an error during commit-UR.

Module: CSQRCAFR

System Action: Data is stored in the field indicated by VRA key 38 following the EBCDIC string 'RMC-COMMIT/ABORT'. This information is useful for IBM service personnel.

System Programmer Response: Quote this code, and the contents of the VRA field indicated by key 38 when contacting your IBM support center. For information about the VRA, see the *MQSeries for OS/390 Problem Determination Guide*.

00D9EEEE

Explanation: This reason code identifies additional data stored in the system diagnostic work area (SDWA) variable recording area (VRA) following an error during end-UR.

Module: CSQRUE01

System Action: Data is stored in the field indicated by VRA key 38. This information is useful for IBM service personnel.

System Programmer Response: Quote this code, and the contents of the VRA field indicated by key 38 when contacting your IBM support center. For information about the VRA, see the *MQSeries for OS/390 Problem Determination Guide*.

Storage manager codes (X'E2')

00E20001

Explanation: An internal error has occurred.

Module: CSQSVBK

System Action: The invoker is abnormally terminated. Diagnostic information is recorded in SYS1.LOGREC, and a dump is requested.

System Programmer Response: At offset 1EF in the SDWA, there is a VRACAN key of X'3D', followed by the name of the module that invoked the storage manager. (See the *MQSeries for OS/390 Problem Determination Guide* for information about the VRA.) Note this value, collect the following items, and contact your IBM support center:

- Console output
- System dump
- Printout of SYS1.LOGREC

00E20002

Explanation: An internal error has occurred.

Module: CSQSVBK

System Action: The invoker is abnormally terminated. Diagnostic information is recorded in SYS1.LOGREC, and a dump is requested.

System Programmer Response: At offset 1EF in the SDWA, there is a VRACAN key of X'3D', followed by the name of the module that invoked the storage manager. (See the *MQSeries for OS/390 Problem Determination Guide* for information about the VRA.) Note this value, collect the following items, and contact your IBM support center:

- Console output
- System dump
- Printout of SYS1.LOGREC

00E20003

Explanation: A GETMAIN request indicated that sufficient storage in the private area was not available.

Module: CSQSVBK

System Action: The invoker is abnormally terminated. Diagnostic information is recorded in SYS1.LOGREC, and a dump is requested.

System Programmer Response: Increase region size.

Problem Determination: Register 2 contains the primary ASID. At offset 1EF in the SDWA, there is a VRACAN key of X'3D', followed by the name of the module that invoked the storage manager. If required, see the *MQSeries for OS/390 Problem Determination Guide* for information about using dumps for problem determination.

If you are unable to solve the problem by increasing the region size, note this value, collect the following items, and contact your IBM support center:

- Console output
- System dump

- Printout of SYS1.LOGREC

00E20004

Explanation: A GETMAIN request indicated that sufficient storage was not available because of pool size limits.

Module: CSQSVBK

System Action: The invoker is abnormally terminated. Diagnostic information is recorded in SYS1.LOGREC, and a dump is requested.

System Programmer Response: Increase pool sizes.

Problem Determination: At offset 1EF in the SDWA, there is a VRACAN key of X'3D', followed by the name of the module that invoked the storage manager. (See the *MQSeries for OS/390 Problem Determination Guide* for information about the VRA.)

Note this value, collect the following items, and contact your IBM support center:

- Console output
- System dump
- Printout of SYS1.LOGREC

00E20005

Explanation: An internal error has occurred.

Module: CSQSVBK

System Action: The invoker is abnormally terminated. Diagnostic information is recorded in SYS1.LOGREC, and a dump is requested.

System Programmer Response: At offset 1EF in the SDWA, there is a VRACAN key of X'3D', followed by the name of the module that invoked the storage manager. (See the *MQSeries for OS/390 Problem Determination Guide* for information about the VRA.) Note this value, collect the following items, and contact your IBM support center:

- Console output
- System dump
- Printout of SYS1.LOGREC

00E20006

Explanation: An internal error has occurred.

Module: CSQSVBK

System Action: The invoker is abnormally terminated. Diagnostic information is recorded in SYS1.LOGREC, and a dump is requested.

System Programmer Response: At offset 1EF in the SDWA, there is a VRACAN key of X'3D', followed by the name of the module that invoked the storage manager. (See the *MQSeries for OS/390 Problem Determination Guide* for information about the VRA.) Note this value, collect the following items, and contact your IBM support center:

- Console output
- System dump
- Printout of SYS1.LOGREC

00E20007

Explanation: An internal error has occurred.

Module: CSQSVPL

System Action: The invoker is abnormally terminated. Diagnostic information is recorded in SYS1.LOGREC, and a dump is requested.

System Programmer Response: Collect the following items, and contact your IBM support center:

- Console output
- System dump
- Printout of SYS1.LOGREC

00E20008

Explanation: An internal error has occurred.

Module: CSQSVPL

System Action: The invoker is abnormally terminated. Diagnostic information is recorded in SYS1.LOGREC, and a dump is requested.

System Programmer Response: Collect the following items, and contact your IBM support center:

- Console output
- System dump
- Printout of SYS1.LOGREC

00E20009

Explanation: An internal error has occurred.

Module: CSQSFBK

System Action: The invoker is abnormally terminated. Diagnostic information is recorded in SYS1.LOGREC, and a dump is requested.

System Programmer Response: At offset 1EF in the SDWA, there is a VRACAN key of X'3D', followed by the name of the module that invoked the storage manager. (See the *MQSeries for OS/390 Problem Determination Guide* for information about the VRA.) Note this value, collect the following items, and contact your IBM support center:

- Console output
- System dump
- Printout of SYS1.LOGREC

00E2000A

Explanation: A request to get storage was unsuccessful.

Module: CSQSGMN

System Action: The invoker is abnormally terminated. Diagnostic information is recorded in SYS1.LOGREC, and a dump is requested.

System Programmer Response: Increase the region size. If required, see the *MQSeries for OS/390 Problem Determination Guide* for information about using dumps for problem determination.

Problem Determination: Register 2 contains the primary ASID. If increasing the region size does not help you solve the problem, collect the following items, and contact your IBM support center:

- Console output
- System dump
- Printout of SYS1.LOGREC

00E2000B

Explanation: A request to get storage was unsuccessful.

Module: CSQSFBK

System Action: The invoker is abnormally terminated. Diagnostic information is recorded in SYS1.LOGREC, and a dump is requested.

System Programmer Response: Increase region size. If required, see the *MQSeries for OS/390 Problem Determination Guide* for information about using dumps for problem determination.

Problem Determination: Register 2 contains the primary ASID. At offset 1EF in the SDWA, there is a VRACAN key of X'3D', followed by the name of the module that invoked the storage manager.

If increasing the region size does not help you solve the problem, note this value, collect the following items, and contact your IBM support center:

- Console output
- System dump
- Printout of SYS1.LOGREC

00E2000C

Explanation: A GETMAIN request indicated that sufficient storage was not available because of pool size limits.

Module: CSQSFBK

System Action: The invoker is abnormally terminated. Diagnostic information is recorded in SYS1.LOGREC, and a dump is requested.

System Programmer Response: Increase pool sizes.

Problem Determination: At offset 1EF in the SDWA, there is a VRACAN key of X'3D', followed by the name of the module that invoked the storage manager. (See the *MQSeries for OS/390 Problem Determination Guide* for information about the VRA.)

If increasing the pool size does not help you solve the problem, note this value, collect the following items, and contact your IBM support center:

- Console output
- System dump
- Printout of SYS1.LOGREC

00E2000D

Explanation: An internal error has occurred.

Module: CSQSFBK

System Action: The invoker is abnormally terminated. Diagnostic information is recorded in SYS1.LOGREC, and a dump is requested.

System Programmer Response: The most likely cause of the problem is a storage overlay or an invalid storage request from a queue manager component. A product other than MQSeries for OS/390 could cause the storage overlay problem.

At offset 1EF in the SDWA, there is a VRACAN key of X'3D', followed by the name of the module that invoked the storage manager. (See the *MQSeries for OS/390 Problem Determination Guide* for information about the VRA.) Note this value, collect the following items, and contact your IBM support center:

- Console output
- System dump
- Printout of SYS1.LOGREC

00E2000E

Explanation: An internal error has occurred.

Module: CSQSFBK

System Action: The invoker is abnormally terminated. Diagnostic information is recorded in SYS1.LOGREC, and a dump is requested.

System Programmer Response: The most likely cause of the problem is a storage overlay or an invalid storage request from a queue manager component. A product other than MQSeries for OS/390 could cause the storage overlay problem.

At offset 1EF in the SDWA, there is a VRACAN key of X'3D', followed by the name of the module that invoked the storage manager. (See the *MQSeries for OS/390 Problem Determination Guide* for information about the VRA.) Note this value, collect the following items, and contact your IBM support center:

- Console output
- System dump
- Printout of SYS1.LOGREC

00E2000F

Explanation: An internal error has occurred.

Module: CSQSFBK

System Action: The invoker is abnormally terminated. Diagnostic information is recorded in SYS1.LOGREC, and a dump is requested.

System Programmer Response: At offset 1EF in the SDWA, there is a VRACAN key of X'3D', followed by the name of the module that invoked the storage manager. (See the *MQSeries for OS/390 Problem Determination Guide* for information about the VRA.) Note this value, collect the following items, and contact your IBM support center:

- Console output
- System dump
- Printout of SYS1.LOGREC

00E20010

Explanation: An internal error has occurred.

Module: CSQSFPL

System Action: The invoker is abnormally terminated. Diagnostic information is recorded in SYS1.LOGREC, and a dump is requested.

System Programmer Response: Collect the following items, and contact your IBM support center:

- Console output
- System dump
- Printout of SYS1.LOGREC

00E20011

Explanation: An internal error has occurred.

Module: CSQSFPL

System Action: The invoker is abnormally terminated. Diagnostic information is recorded in SYS1.LOGREC, and a dump is requested.

System Programmer Response: Collect the following items, and contact your IBM support center:

- Console output
- System dump
- Printout of SYS1.LOGREC

00E20012

Explanation: An internal error has occurred.

Module: CSQSGMN

System Action: The invoker is abnormally terminated. Diagnostic information is recorded in SYS1.LOGREC, and a dump is requested.

System Programmer Response: Collect the following items, and contact your IBM support center:

- Console output
- System dump
- Printout of SYS1.LOGREC

00E20013

Explanation: A request to get storage was unsuccessful.

Module: CSQSGMN

System Action: The invoker is abnormally terminated. Diagnostic information is recorded in SYS1.LOGREC, and a dump is requested.

System Programmer Response: Increase region size.

Problem Determination: Register 2 contains the primary ASID. If required, see the *MQSeries for OS/390 Problem Determination Guide* for information about using dumps for problem determination.

If increasing the region size does not help you to solve the problem, collect the following items, and contact your IBM support center:

- Console output
- System dump
- Printout of SYS1.LOGREC

00E20014

Explanation: An internal error has occurred.

Module: CSQSGMN

System Action: The invoker is abnormally terminated. Diagnostic information is recorded in SYS1.LOGREC, and a dump is requested.

System Programmer Response: Collect the following items, and contact your IBM support center:

- Console output
- System dump
- Printout of SYS1.LOGREC

00E20015

Explanation: In response to a GETMAIN request, MQSeries indicated that 8K bytes of private area storage in subpool 229 was not available.

Module: CSQSVSTK

System Action: The invoker is abnormally terminated. Diagnostic information is recorded in SYS1.LOGREC, and a dump is requested.

System Programmer Response: Increase maximum private storage.

Problem Determination: There is probably a shortage of private area storage in the address space in which the problem occurred. Register 2 contains the primary ASID. If required, see the *MQSeries for OS/390 Problem Determination Guide* for information about using dumps for problem determination.

If increasing the maximum private storage does not solve the problem, collect the following items, and contact your IBM support center:

- Console output
- System dump

00E20016 • 00E2001E

- Printout of SYS1.LOGREC

00E20016

Explanation: In response to a GETMAIN request, MQSeries indicated that sufficient storage in subpool 229 was not available.

Module: CSQSVSTK

System Action: The invoker is abnormally terminated. Diagnostic information is recorded in SYS1.LOGREC, and a dump is requested.

System Programmer Response: Increase region size.

Problem Determination: Register 2 contains the primary ASID. If required, see the *MQSeries for OS/390 Problem Determination Guide* for information about using dumps for problem determination.

If increasing the region size does not help you resolve the problem, collect the following items, and contact your IBM support center:

- Console output
- System dump
- Printout of SYS1.LOGREC

00E20017

Explanation: An internal error has occurred.

Module: CSQSTACK

System Action: The invoker is abnormally terminated. Diagnostic information is recorded in SYS1.LOGREC, and a dump is requested.

System Programmer Response: Register 2 contains the primary ASID. (See the *MQSeries for OS/390 Problem Determination Guide* for information about using dumps for problem determination.) Note this value, collect the following items, and contact your IBM support center:

- Console output
- System dump
- Printout of SYS1.LOGREC

00E20018

Explanation: An internal error has occurred.

Module: CSQSGSTK

System Action: The invoker is abnormally terminated. Diagnostic information is recorded in SYS1.LOGREC, and a dump is requested.

System Programmer Response: Collect the following items, and contact your IBM support center:

- Console output
- System dump
- Printout of SYS1.LOGREC

00E20019

Explanation: An internal error has occurred.

Module: CSQSPOWN

System Action: The invoker is abnormally terminated. Diagnostic information is recorded in SYS1.LOGREC, and a dump is requested.

System Programmer Response: Collect the following items, and contact your IBM support center:

- Console output
- System dump

- Printout of SYS1.LOGREC

00E2001A

Explanation: An error has occurred with the OS/390 ESTAE.

Module: CSQSCON

System Action: The invoker is abnormally terminated. Diagnostic information is recorded in SYS1.LOGREC, and a dump is requested.

System Programmer Response: Register 15 contains the return code from the OS/390 ESTAE. (See the *MQSeries for OS/390 Problem Determination Guide* for information about using dumps for problem determination.)

If you are unable to solve the problem, note this value, collect the following items, and contact your IBM support center:

- Console output
- System dump
- Printout of SYS1.LOGREC

00E2001B

Explanation: The 'setlock obtain' function issued a nonzero return code.

Module: CSQSCON2, CSQSCTL, CSQSFBK, CSQSFPL, CSQSGMN, CSQSHDWN, CSQSINTM, CSQSTERM, CSQSVBK, CSQSVPL, CSQSVSTK

System Action: The invoker of storage manager functions is abnormally terminated. Diagnostic information is recorded in SYS1.LOGREC, and a dump is requested.

System Programmer Response: Collect the following items, and contact your IBM support center:

- Console output
- System dump
- Printout of SYS1.LOGREC

00E2001D

Explanation: An internal error has occurred.

Module: CSQSRSUP

System Action: The MQSeries subsystem is abnormally terminated.

System Programmer Response: Collect the following items, and contact your IBM support center:

- Console output
- System dump
- Printout of SYS1.LOGREC

00E2001E

Explanation: An internal error has occurred.

Module: CSQSVSTK

System Action: The invoker is abnormally terminated. Diagnostic information is recorded in SYS1.LOGREC, and a dump is requested.

System Programmer Response: Collect the following items, and contact your IBM support center:

- Console output
- System dump
- Printout of SYS1.LOGREC

00E2001F

Explanation: There was insufficient storage in the common service area (CSA) to satisfy a GETMAIN request.

Module: CSQSVBK

System Action: The invoker is abnormally terminated. Diagnostic information is recorded in SYS1.LOGREC, and a dump is requested.

System Programmer Response: Run the monitoring tools available at your installation to review your CSA usage.

Increase the CSA size.

Problem Determination: At offset 1EF in the SDWA, there is a VRACAN key of X'3D', followed by the name of the module that invoked the storage manager. (See the *MQSeries for OS/390 Problem Determination Guide* for information about the VRA.)

If increasing the CSA size does not solve the problem, note this value, collect the following items, and contact your IBM support center:

- Console output
- System dump
- Printout of SYS1.LOGREC

00E20020

Explanation: There was insufficient storage in the private area to satisfy a GETMAIN request.

Module: CSQSVPL

System Action: The invoker is abnormally terminated. Diagnostic information is recorded in SYS1.LOGREC, and a dump is requested.

System Programmer Response: Increase region size.

Problem Determination: Register 2 contains the primary ASID. (If required, see the *MQSeries for OS/390 Problem Determination Guide* for information about using dumps for problem determination.)

If increasing the region size does not solve the problem, note this value, collect the following items, and contact your IBM support center:

- Console output
- System dump
- Printout of SYS1.LOGREC

00E20021

Explanation: There was insufficient storage in the common service area (CSA) to satisfy a GETMAIN request.

Module: CSQSVPL

System Action: The invoker is abnormally terminated. Diagnostic information is recorded in SYS1.LOGREC, and a dump is requested.

System Programmer Response: Run the monitoring tools available at your installation to review your CSA usage.

Increase the CSA size.

Problem Determination: If increasing the size of the CSA does not solve the problem, collect the following items, and contact your IBM support center:

- Console output
- System dump
- Printout of SYS1.LOGREC

00E20022

Explanation: There was insufficient storage in the common service area (CSA) to satisfy a GETMAIN request.

Module: CSQSFBK

System Action: The invoker is abnormally terminated. Diagnostic information is recorded in SYS1.LOGREC, and a dump is requested.

System Programmer Response: Run the monitoring tools available at your installation to review your CSA usage.

Increase the CSA size.

Problem Determination: At offset 1EF in the SDWA, there is a VRACAN key of X'3D', followed by the name of the module that invoked the storage manager. (See the *MQSeries for OS/390 Problem Determination Guide* for information about the VRA.)

If increasing the size of the CSA does not solve the problem, note this value, collect the following items, and contact your IBM support center:

- Console output
- System dump
- Printout of SYS1.LOGREC

00E20023

Explanation: There was insufficient storage in the private area was to satisfy a GETMAIN request.

Module: CSQSFPL

System Action: The invoker is abnormally terminated. Diagnostic information is recorded in SYS1.LOGREC, and a dump is requested.

System Programmer Response: Increase region size.

Problem Determination: Register 2 contains the primary ASID. If required, see the *MQSeries for OS/390 Problem Determination Guide* for information about using dumps for problem determination.

If increasing the region size does not solve the problem, note this value, collect the following items, and contact your IBM support center:

- Console output
- System dump
- Printout of SYS1.LOGREC

00E20024

Explanation: There was insufficient storage in the common service area (CSA) to satisfy a GETMAIN request.

Module: CSQSFPL

System Action: The invoker is abnormally terminated. Diagnostic information is recorded in SYS1.LOGREC, and a dump is requested.

System Programmer Response: Run the monitoring tools available at your installation to review your CSA usage.

Increase the CSA size.

Problem Determination: If increasing the CSA size does not solve the problem, collect the following items, and contact your IBM support center:

- Console output
- System dump
- Printout of SYS1.LOGREC

00E20025

Explanation: There was insufficient storage in the common service area (CSA) to satisfy a GETMAIN request.

Module: CSQSGMN

System Action: The invoker is abnormally terminated. Diagnostic information is recorded in SYS1.LOGREC, and a dump is requested.

System Programmer Response: Run the monitoring tools available at your installation to review your CSA usage.

Increase the CSA size.

Problem Determination: If increasing the CSA size does not solve the problem, collect the following items, and contact your IBM support center:

- Console output
- System dump
- Printout of SYS1.LOGREC

00E20026

Explanation: In response to a GETMAIN request, MQSeries indicated that 4K bytes of private area storage in subpool 229 was not available.

Module: CSQSVSTK

System Action: The invoker of the function is abnormally terminated. Diagnostic information is recorded in SYS1.LOGREC, and a dump is requested.

System Programmer Response: Increase region size.

Problem Determination: There is probably a shortage of private area storage in the address space in which the problem occurred. Register 2 contains the primary ASID. (If required, see the *MQSeries for OS/390 Problem Determination Guide* for information about using dumps for problem determination.)

If increasing the region size does not solve the problem, note this value, collect the following items, and contact your IBM support center:

- Console output
- System dump
- Printout of SYS1.LOGREC

00E20027

Explanation: An internal error has occurred.

Module: CSQSVBK

System Action: The invoker is abnormally terminated. Diagnostic information is recorded in SYS1.LOGREC, and a dump is requested.

System Programmer Response: At offset 1EF in the SDWA, there is a VRACAN key of X'3D', followed by the name of the module that invoked the storage manager. (See the *MQSeries for OS/390 Problem Determination Guide* for information about the VRA.)

Note this value, collect the following items, and contact your IBM support center:

- Console output
- System dump
- Printout of SYS1.LOGREC

00E20028

Explanation: An internal error has occurred.

Module: CSQSVSTK, CSQSTACK

System Action: The invoker is abnormally terminated. Diagnostic information is recorded in SYS1.LOGREC, and a dump is requested.

System Programmer Response: Collect the following items, and contact your IBM support center:

- Console output
- System dump
- Printout of SYS1.LOGREC

00E20029

Explanation: An internal error has occurred.

Module: CSQSVBK

System Action: The invoker is abnormally terminated. Diagnostic information is recorded in SYS1.LOGREC, and a dump is requested.

System Programmer Response: At offset 1EF in the SDWA, there is a VRACAN key of X'3D', followed by the name of the module that invoked the storage manager. (See the *MQSeries for OS/390 Problem Determination Guide* for information about the VRA.) Note this value, collect the following items, and contact your IBM support center:

- Console output
- System dump
- Printout of SYS1.LOGREC

00E2002A

Explanation: An internal error has occurred.

Module: CSQSCTL, CSQSFBK, CSQRSUP, CSQSTACK, CSQSVBK, CSQSVSTK

System Action: The invoker is abnormally terminated. Diagnostic information is recorded in SYS1.LOGREC, and a dump is requested.

System Programmer Response: Collect the following items, and contact your IBM support center:

- Console output
- System dump
- Printout of SYS1.LOGREC

00E2002B

Explanation: This abend code is used to force percolation when an abend is encountered while in storage manager code and the storage manager has been called recursively.

Module: CSQSCTL, CSQSFBK, CSQRSUP, CSQSTACK, CSQSVBK, CSQSVSTK

Problem Determination: Refer to the originating abend code.

Timer services codes (X'E3')

00E30001

Explanation: This abend reason code was issued because the address space specified in an attempt to create a new service task using CSQVCST was not valid.

Module: CSQTSTRT

Problem Determination: Register 9 contains the completion code from the service CSQVCST. Collect the MQSeries system dump, any trace information gathered and the related SYS1.LOGREC entries, and contact your IBM support center for help.

00E30002

Explanation: This abend reason code was issued because an attempt to call the OS/390 macro STIMERM was unsuccessful. The return code from STIMERM is in register 9.

Module: CSQTCTLR

System Programmer Response: Analyze the MQSeries dump, correct the problem from the information contained in the dump, and restart MQSeries. For information about analyzing MQSeries dumps, see the *MQSeries for OS/390 Problem Determination Guide*.

For information about the STIMERM macro, see the *MVS Programming: Assembler Services Reference* manual.

Agent services codes (X'E5')

00E50001

Explanation: An internal error has occurred.

Module: CSQVLTHS, CSQVLTHX

System Action: The requesting execution unit is abended.

System Programmer Response: Collect the following items, and contact your IBM support center:

- System dump
- Printout of SYS1.LOGREC

00E50002

Explanation: An internal error has occurred.

Module: CSQVUNLS, CSQVUNLX

System Action: The requesting execution unit is abended.

System Programmer Response: Collect the following items, and contact your IBM support center:

- System dump
- Printout of SYS1.LOGREC

00E50004

Explanation: An internal error has occurred.

Module: CSQVXULO

System Action: The current execution unit is abended. A record is written to SYS1.LOGREC, and an MQSeries SVC dump is requested.

System Programmer Response: Collect the following items, and contact your IBM support center:

- Console output
- System dump
- Printout of SYS1.LOGREC

00E50005

Explanation: An internal error has occurred.

Module: CSQVSLT0, CSQVSUL0, CSQVXLT0

System Action: The requesting execution unit is abended. A record is written to SYS1.LOGREC and an MQSeries SVC dump is requested.

System Programmer Response: Collect the following items, and contact your IBM support center:

- Console output
- System dump
- Printout of SYS1.LOGREC

00E50006

Explanation: An internal error has occurred.

Module: CSQVLTHS, CSQVLTHX, CSQVSLT0

System Action: The requesting execution unit is abended. A record is written to SYS1.LOGREC and an MQSeries SVC dump is requested.

System Programmer Response: Collect the following items, and contact your IBM support center:

- Console output
- System dump
- Printout of SYS1.LOGREC

00E50007

Explanation: An internal error has occurred.

Module: CSQVLT0, CSQVSUL0, CSQVUNLS, CSQVUNLX, CSQVXULO

System Action: The requesting execution unit is abended. A record is written to SYS1.LOGREC and an MQSeries SVC dump is requested.

System Programmer Response: Collect the following items, and contact your IBM support center:

- Console output
- System dump
- Printout of SYS1.LOGREC

00E50008

Explanation: An internal error has occurred.

Module: CSQVLT0, CSQVSLT0, CSQVSUL0, CSQVXLT0, CSQVXULO

System Action: The requesting execution unit is abended. A record is written to SYS1.LOGREC and an MQSeries SVC dump is requested.

System Programmer Response: Collect the following items, and contact your IBM support center:

- Console output
- System dump
- Printout of SYS1.LOGREC

00E50009

Explanation: An internal error has occurred.

Module: CSQVLFRR, CSQVLT0, CSQVSLT0, CSQVSUL0, CSQVXLT0, CSQVXULO

System Action: The requesting execution unit is abended. A record is written to SYS1.LOGREC and an MQSeries SVC dump is requested.

System Programmer Response: Collect the following items, and contact your IBM support center:

- Console output
- System dump
- Printout of SYS1.LOGREC

00E50012

Explanation: An internal error has occurred.

Module: CSQVSDC0

System Action: The requesting task is abended. An entry is created in SYS1.LOGREC and an MQSeries SVC dump is requested.

00E50013 • 00E50032

System Programmer Response: Collect the following items, and contact your IBM support center:

- Console output
- System dump
- Printout of SYS1.LOGREC

00E50013

Explanation: An MQSeries execution unit has been abended.

Module: CSQJJC005, CSQJJC007, CSQVEUS1, CSQVEUS3, CSQVASTM, CSQVCST0, CSQVDST0, CSQVFEB, CSQVSLT0, CSQVSUL0, CSQVXLT0

System Action: The agent CANCEL processing continues.

Operator Response: Notify the system programmer if the abend results in the termination of the MQSeries subsystem.

System Programmer Response: This reason code might be issued as a result of any connected TCB abend, or operator STOP QMGR MODE(FORCE) command. No further action is required.

Problem Determination: The recovery routine for the CSECT issuing this reason code records information in the variable recording area (VRA). See the *MQSeries for OS/390 Problem Determination Guide* for more information about the VRA.

If you are unable to resolve the problem, collect the following items, and contact your IBM support center:

- Console output
- System dump
- Printout of SYS1.LOGREC

00E50014

Explanation: An internal error has occurred.

Module: CSQVRSRB

System Action: An entry is written to SYS1.LOGREC, and an MQSeries dump is requested.

System Programmer Response: The recovery routine for the CSECT issuing this reason code records information in the variable recording area (VRA). See the *MQSeries for OS/390 Problem Determination Guide* for information about using dumps for problem determination.

Problem Determination: Collect the following items, and contact your IBM support center:

- Console output
- System dump
- Printout of SYS1.LOGREC

00E50015

Explanation: An internal error has occurred.

Module: CSQVSR, CSQVRSRB, CSQVSDC0

System Action: The operation is retried once. If this is not successful, the MQSeries subsystem is terminated with reason code 00E50054.

A SYS1.LOGREC entry and an MQSeries SVC dump are taken.

System Programmer Response: The recovery routine for the CSECT issuing this reason code records information in the variable recording area (VRA). See the *MQSeries for OS/390 Problem Determination Guide* for information about using dumps for problem determination.

Problem Determination: If required, collect the following items, and contact your IBM support center:

- Console output
- System dump
- Printout of SYS1.LOGREC

00E50029

Explanation: The agent services function which establishes the MQSeries tasking structure abends with this reason code following the detection of a load module which was loaded without the 31-bit addressing capability. The abend is preceded by message CSQV029.

Module: CSQVASIM

System Action: Subsystem start-up is terminated.

Operator Response: See message CSQV029I.

System Programmer Response: See message CSQV029I.

Problem Determination: See message CSQV029I.

00E50030

Explanation: An internal error has occurred.

Module: CSQVASIM

System Action: The requesting execution unit is abended. A record is written to SYS1.LOGREC, and an SVC dump is taken.

System Programmer Response: Collect the following items, and contact your IBM support center:

- Console output
- System dump
- Printout of SYS1.LOGREC

00E50031

Explanation: An internal error has occurred.

Module: CSQVTRTH

System Action: The requesting execution unit is abended. A record is written to SYS1.LOGREC, and an MQSeries SVC dump is requested.

System Programmer Response: The recovery routine for the CSECT issuing this reason code records information in the variable recording area (VRA).

Collect the following items, and contact your IBM support center:

- Console output
- System dump
- Printout of SYS1.LOGREC

00E50032

Explanation: An internal error has occurred.

Module: CSQVTRTH, CSQVDISC, CSQVCONN

System Action: The requesting execution unit is abended. A record is written to SYS1.LOGREC, and an SVC dump is requested.

System Programmer Response: The recovery routine for the CSECT issuing this reason code records information in the variable recording area (VRA).

Collect the following items, and contact your IBM support center:

- Console output
- System dump
- Printout of SYS1.LOGREC

00E50035

Explanation: An internal error has occurred.

Module: CSQVIALC

System Action: The requesting execution unit is abended. The error is recorded on SYS1.LOGREC, and an SVC dump is requested.

System Programmer Response: Collect the following items, and contact your IBM support center:

- Console output
- System dump
- Printout of SYS1.LOGREC

00E50036

Explanation: An internal error has occurred.

Module: CSQVIALC

System Action: The requesting execution unit is abended. The error is recorded on SYS1.LOGREC, and an SVC dump is requested.

System Programmer Response: Collect the following items, and contact your IBM support center:

- Console output
- System dump
- Printout of SYS1.LOGREC

00E50040

Explanation: MQSeries subsystem termination was invoked following an unrecoverable error while processing a terminate allied agent request at the *thread*, or *identify* level.

Module: CSQVTFRR

System Action: The MQSeries subsystem is terminated.

Operator Response: Notify the system programmer, and restart MQSeries.

System Programmer Response: Scan the OS/390 system log and the contents of SYS1.LOGREC for MQSeries abends occurring immediately before the system termination message CSQV086E. Follow the problem determination procedures for the specific abends. See the *MQSeries for OS/390 Problem Determination Guide* for information about using dumps for problem determination.

If you are unable to resolve the problem, collect the following items, and contact your IBM support center:

- Console output
- Printout of SYS1.LOGREC

00E50041

Explanation: MQSeries subsystem termination was invoked following an unrecoverable error while processing a terminate agent request.

Module: CSQVTFRR

System Action: The MQSeries subsystem is terminated.

Operator Response: Notify the system programmer, and restart MQSeries.

System Programmer Response: Scan the OS/390 system log and the contents of SYS1.LOGREC for MQSeries abends occurring immediately before the system termination message CSQV086E. Follow the problem determination procedures for the specific abends. If you are unable to resolve the problem, collect the following items, and contact your IBM support center:

- Console output
- Printout of SYS1.LOGREC

00E50042

Explanation: An internal error has occurred.

Module: CSQVFACE, CSQVTEB

System Action: The current execution unit is abended. A record is written to SYS1.LOGREC and an MQSeries SVC dump is requested.

System Programmer Response: Collect the following items, and contact your IBM support center:

- Console output
- System dump
- Printout of SYS1.LOGREC

00E50044

Explanation: An internal error has occurred.

Module: CSQVTRTH

System Action: The requesting execution unit is abended. The error is recorded on SYS1.LOGREC, and an SVC dump is requested.

Operator Response: Notify the system programmer.

System Programmer Response: The recovery routine for the CSECT issuing this reason code records information in the variable recording area (VRA).

Collect the following items, and contact your IBM support center:

- Console output
- System dump
- Printout of SYS1.LOGREC

00E50045

Explanation: MQSeries subsystem termination was invoked following an unrecoverable error while processing a create allied agent service request at the *thread*, or *identify* level.

Module: CSQVCFRR

System Action: The MQSeries subsystem is terminated.

Operator Response: Notify the system programmer, and restart MQSeries.

System Programmer Response: Scan the OS/390 system log and the contents of SYS1.LOGREC for MQSeries abends occurring immediately before the system termination message CSQV086E. Follow the problem determination procedures for the specific abends. If you are unable to resolve the problem, collect the following items, and contact your IBM support center:

- Console output
- Printout of SYS1.LOGREC

00E50046

Explanation: MQSeries subsystem termination was invoked following an unrecoverable error while processing a create agent structure request.

Module: CSQVCFRR

System Action: The MQSeries subsystem is terminated.

Operator Response: Notify the system programmer, and restart MQSeries.

System Programmer Response: Scan the OS/390 system log and the contents of SYS1.LOGREC for MQSeries abends occurring immediately before the system termination message CSQV086E. Follow the problem determination procedures for the specific abends. If you are unable to resolve the problem, collect the following items, and contact your IBM support center:

- Console output
- Printout of SYS1.LOGREC

00E50047

Explanation: An internal error has occurred.

Module: CSQVCFRR

System Action: The MQSeries subsystem is terminated.

Operator Response: Notify the system programmer, and restart MQSeries.

System Programmer Response: Scan the OS/390 system log and the contents of SYS1.LOGREC for MQSeries abends occurring immediately before the system termination message CSQV086E. Follow the problem determination procedures for the specific abends. If you are unable to resolve the problem, collect the following items, and contact your IBM support center:

- Console output
- Printout of SYS1.LOGREC

00E50050

Explanation: An internal error has occurred.

Module: CSQVSR, CSQVSDC0

System Action: The requesting execution unit is abended.

An 00E50054 recovery reason code is placed in the SDWACOMU field of the SDWA, indicating that synchronization services was responsible for MQSeries subsystem termination.

Operator Response: Notify the system programmer, and restart MQSeries.

System Programmer Response: The recovery routine for the CSECT issuing this reason code records information in the variable recording area (VRA). See the *MQSeries for OS/390 Problem Determination Guide* for information about using dumps for problem determination.

Problem Determination: Diagnostic information for this error can be obtained through the SYS1.LOGREC and MQSeries SVC dump materials provided.

If you are unable to resolve the problem, collect the following items, and contact your IBM support center:

- Console output

- System dump
- Printout of SYS1.LOGREC

00E50051

Explanation: An internal error has occurred.

Module: CSQVSR

System Action: Mainline processing is abended with a X'5C6' abend code and this reason code.

An 00E50054 recovery reason code is placed in the SDWACOMU field of the SDWA indicating that synchronization services was responsible for MQSeries subsystem termination.

Operator Response: Notify the system programmer, and restart MQSeries.

System Programmer Response: The recovery routine for the CSECT issuing this reason code records information in the variable recording area (VRA). See the *MQSeries for OS/390 Problem Determination Guide* for information about using dumps for problem determination.

Problem Determination: Diagnostic information for this error can be obtained through the SYS1.LOGREC and MQSeries SVC dump materials provided.

If you are unable to resolve the problem, collect the following items, and contact your IBM support center:

- Console output
- System dump
- Printout of SYS1.LOGREC

00E50052

Explanation: The OS/390 cross-memory lock (CML) could not be released.

Module: CSQVSR, CSQVSDC0

System Action: Mainline processing is abended with a X'5C6' abend code and this reason code.

An 00E50054 recovery reason code is placed in the SDWACOMU field of the SDWA indicating that synchronization services was responsible for MQSeries subsystem termination.

A record is written to SYS1.LOGREC and an MQSeries SVC dump is produced.

Operator Response: Notify the system programmer, and restart MQSeries.

System Programmer Response: The recovery routine for the CSECT issuing this reason code records information in the variable recording area (VRA). See the *MQSeries for OS/390 Problem Determination Guide* for information about using dumps for problem determination.

Problem Determination: Diagnostic information for this error can be obtained through the SYS1.LOGREC and MQSeries SVC dump materials provided.

If you are unable to resolve the problem, collect the following items, and contact your IBM support center:

- Console output
- System dump
- Printout of SYS1.LOGREC

00E50054

Explanation: The MQSeries subsystem is abended by the synchronization services recovery routine when an unrecoverable error is encountered during recovery processing for the SUSPEND, CANCEL, RESUME, or SRB REDISPATCH functions. This is a subsystem termination reason code.

Module: CSQVSRR, CSQVSDC0

System Action: The MQSeries subsystem is terminated. This reason code is associated with a X'6C6' abend code indicating that synchronization services was responsible for termination.

Operator Response: Notify the system programmer, and restart MQSeries.

System Programmer Response: See the *MQSeries for OS/390 Problem Determination Guide* for information about using dumps for problem determination.

Problem Determination: Scan the OS/390 system log and the contents of SYS1.LOGREC for MQSeries abends occurring immediately before the system termination message CSQV086E. Follow the problem determination procedures for the specific abends.

One of the following conditions was encountered during recovery processing for the requested function:

- Unable to complete resume processing for an SRB mode execution unit that was suspended at time of error
- Errors were encountered during primary recovery processing causing entry to the secondary recovery routine
- Recovery initiated retry to mainline Suspend/Resume code caused retry recursion entry into the functional recovery routine
- Unable to obtain or release the cross-memory lock (CML) of the MQSeries address space either during mainline processing or during functional recovery processing (for example, reason code 00E50052)

If you are unable to resolve the problem, collect the following items, and contact your IBM support center:

- Console output
- Printout of SYS1.LOGREC

00E50055

Explanation: The synchronization services functional recovery routine was unable to successfully complete resume processing for a suspended TCB mode execution unit. The resume processing was requested by the CANCEL or RESUME functions. This reason code is placed in the SDWACOMU field of an SDWA.

Module: CSQVSRR

System Action: Because the suspended TCB mode execution unit must not be permitted to remain in a suspended state, the recovery routine invokes the OS/390 CALLRTM (TYPE=ABTERM) service to abend the execution unit with an X'6C6' completion code. Depending upon which execution unit was terminated, the MQSeries subsystem might be abended.

Operator Response: Notify the system programmer, and restart MQSeries if necessary.

System Programmer Response: See the *MQSeries for OS/390 Problem Determination Guide* for information about using dumps for problem determination.

Problem Determination: Scan the OS/390 system log and the contents of SYS1.LOGREC for MQSeries abends occurring immediately before the abend of the execution unit. Follow the problem determination procedures for the specific abends.

If you are unable to resolve the problem, collect the following items, and contact your IBM support center:

- Console output
- System dump
- Printout of SYS1.LOGREC

00E50059

Explanation: An internal error has occurred.

Module: CSQVSR, CSQVSDC0

System Action: If the CSECT detecting the error is CSQVSDC0, the code detecting the error will be retried once. If validation is unsuccessful, the MQSeries subsystem is terminated abnormally with a 00E50054 reason code.

A SYS1.LOGREC entry and an MQSeries dump are requested.

Operator Response: Notify the system programmer, and restart MQSeries.

System Programmer Response: The recovery routine for the CSECT issuing this reason code records information in the variable recording area (VRA). See the *MQSeries for OS/390 Problem Determination Guide* for information about using dumps for problem determination.

Problem Determination: If you are unable to resolve the problem, collect the following items, and contact your IBM support center:

- Console output
- System dump
- Printout of SYS1.LOGREC

00E50062

Explanation: An internal error has occurred.

Module: CSQARARQ

System Action: The allied task is abended.

System Programmer Response: Collect the following items, and contact your IBM support center:

- Console output
- System dump
- Printout of SYS1.LOGREC
- Any diagnostic information produced by CICS or IMS

00E50063

Explanation: An internal error has occurred.

Module: CSQ3ABND

System Action: The task is abended.

System Programmer Response: If you are unable to resolve the problem, collect the following items, and contact your IBM support center:

- Console output
- System dump
- Printout of SYS1.LOGREC

00E50065

Explanation: An internal error has occurred.

Module: CSQVRMEL

System Action: The execution unit is abended.

System Programmer Response: Collect the following items, and contact your IBM support center:

- Console output

- System dump
- Printout of SYS1.LOGREC

00E50069

Explanation: This abend code is issued during recovery processing for the suspend function when executing in SRB mode under the recovery routine established by the OS/390 SRBSTAT(SAVE) service. Because the recovery routine established by this service is the only routine in the FRR stack at the time of error, normal RTM percolation to the invoking resource manager recovery routine is not possible.

After recovery processing for the initial mainline error has successfully completed, the RTM environment is exited through retry to a routine that restores the original FRR stack. This routine then issues an X'5C6' abend with this reason code. This causes entry into the original recovery routine established during suspend initialization.

Module: CSQVSR, CSQVSDC0

System Action: After this abend is intercepted by the original suspend recovery routine, a SYS1.LOGREC entry and MQSeries SVC dump are requested to document the original error. The original recovery reason code is placed in the SDWACOMU field of the SDWA indicating the actions performed during recovery processing of the initial error. Control is then returned to the invoking resource manager's recovery routine through RTM percolation.

System Programmer Response: See the *MQSeries for OS/390 Problem Determination Guide* for information about using dumps for problem determination.

Problem Determination: Because this abend is used only to permit the transfer of the initial recovery reason code to the invoking resource manager's recovery routine, no further recovery actions are required for this abend. Diagnostic information for the initial error encountered during mainline processing can be obtained through the SYS1.LOGREC and SVC dump materials provided.

00E50070

Explanation: To enable an internal task to terminate itself, the task has abended. This is not necessarily an error.

Module: CSQVEUS3, CSQVDST0, CSQVEOT1

System Action: The task is abended.

System Programmer Response: The recovery routine for the CSECT issuing this reason code records information in the variable recording area (VRA). See the *MQSeries for OS/390 Problem Determination Guide* for information about using dumps for problem determination.

Problem Determination: If the service task is abended with a completion code of X'6C6', no MQSeries SVC dump is taken.

The abend should be ignored if it happens in isolation, however, if it occurs in conjunction with other problems, these problems should be resolved.

If you are unable to resolve the problem, collect the following items, and contact your IBM support center:

- Console output
- System dump (if one was produced)
- Printout of SYS1.LOGREC

00E50071

Explanation: An internal error has occurred.

Module: CSQVEUS3

System Action: The internal task is abended. The recovery routine for the CSECT issuing this reason code records information in the variable recording area (VRA).

Operator Response: Notify the system programmer.

System Programmer Response: See the *MQSeries for OS/390 Problem Determination Guide* for information about using dumps for problem determination.

Problem Determination: If you are unable to resolve the problem, collect the following items, and contact your IBM support center:

- Console output
- System dump
- Printout of SYS1.LOGREC

00E50072

Explanation: An internal error has occurred.

Module: CSQVEUS3, CSQVEUS4, CSQVCST0, CSQVEOT1

System Action: The MQSeries subsystem is abended. The recovery routine for the CSECT issuing this reason code records information in the variable recording area (VRA).

Operator Response: Notify the system programmer, and restart MQSeries.

System Programmer Response: See the *MQSeries for OS/390 Problem Determination Guide* for information about using dumps for problem determination.

Problem Determination: Collect the following items, and contact your IBM support center:

- Console output
- System dump
- Printout of SYS1.LOGREC

00E50073

Explanation: An internal error has occurred.

Module: CSQVEUS2, CSQVEUS3, CSQVTEB

System Action: The current execution unit is abended. A record is written to SYS1.LOGREC, and an SVC dump is requested.

System Programmer Response: Collect the following items, and contact your IBM support center.

- Console output
- System dump
- Printout of SYS1.LOGREC

00E50074

Explanation: This abend reason code is issued in response to a nonzero return code from ATTACH during an attempt to create an internal task.

Module: CSQVEUS4

System Action: The ATTACH is retried. A record is written to SYS1.LOGREC, and an SVC dump is requested. If a problem occurs again, MQSeries is terminated.

Operator Response: Notify the system programmer, and restart MQSeries if necessary.

System Programmer Response: See the *MQSeries for OS/390 Problem Determination Guide* for information about using dumps for problem determination.

Problem Determination: Register 2, in the SDWA, contains the return code from the ATTACH request. If you are unable to resolve the problem, collect the following items, and contact your IBM support center:

- Console output
- System dump
- Printout of SYS1.LOGREC

00E50075

Explanation: An internal error has occurred.

Module: CSQVEUS1

System Action: The requester is abended. A record is written to SYS1.LOGREC, and an SVC dump is requested.

System Programmer Response: Collect the following items, and contact your IBM support center:

- Console output
- System dump
- Printout of SYS1.LOGREC

00E50076

Explanation: An internal error has occurred.

Module: CSQVEUS1

System Action: The requester is abended. A record is written to SYS1.LOGREC, and an SVC dump is requested.

Operator Response: Notify the system programmer.

System Programmer Response: Collect the following items, and contact your IBM support center:

- Console output
- System dump
- Printout of SYS1.LOGREC

00E50077

Explanation: An internal error has occurred.

Module: CSQVEUS1, CSQVDST0

System Action: The requesting execution unit is abended. A record is written to SYS1.LOGREC, and an SVC dump is requested.

System Programmer Response: Collect the following items, and contact your IBM support center:

- Console output
- System dump
- Printout of SYS1.LOGREC

00E50078

Explanation: An internal error has occurred.

Module: CSQVCST0

System Action: The requesting execution unit is terminated. The entire subsystem might also be terminated. A record is written to SYS1.LOGREC, and an SVC dump is requested.

Operator Response: Notify the system programmer, and restart MQSeries.

System Programmer Response: Collect the following items, and contact your IBM support center:

- Console output
- System dump
- Printout of SYS1.LOGREC

00E50079

Explanation: An internal error has occurred. This can occur if the allied address space is undergoing termination.

Module: CSQVEUS1, CSQVSR, CSQVSDC0

System Action: The requesting execution unit is abended. A record is written to SYS1.LOGREC, and an SVC dump is requested.

System Programmer Response: The recovery routine for the CSECT issuing this reason code records information in the variable recording area (VRA). See the *MQSeries for OS/390 Problem Determination Guide* for information about using dumps for problem determination.

Problem Determination: If you are unable to resolve the problem, collect the following items, and contact your IBM support center:

- Console output
- System dump
- Printout of SYS1.LOGREC

00E50080

Explanation: An internal error has occurred.

Module: CSQVEUS2, CSQVEUS3.

System Action: An SVC dump is requested specifying an abend code of X'5C6' and this reason code. No record is written to SYS1.LOGREC. Execution continues.

Operator Response: Notify the system programmer of the SVC dump.

System Programmer Response: Collect the following items, and contact your IBM support center:

- Console output
- System dump

00E50081

Explanation: An internal error has occurred.

Module: CSQVEUS3.

System Action: An SVC dump is requested specifying an abend code of X'5C6' and this reason code. No record is written to SYS1.LOGREC. Execution continues.

Operator Response: Notify the system programmer of the SVC dump.

System Programmer Response: Collect the following items, and contact your IBM support center:

- Console output
- System dump

00E50094

Explanation: An internal error has occurred.

Module: Various

System Action: The requesting execution unit is terminated. A record is written to SYS1.LOGREC, and an SVC dump is requested.

System Programmer Response: See the *MQSeries for OS/390 Problem Determination Guide* for information about identifying and reporting the problem.

Problem Determination: Collect the following items, and contact your IBM support center:

- Console output
- System dump
- Printout of SYS1.LOGREC

00E50095

Explanation: An internal error has occurred.

Module: Various.

System Action: The requesting execution unit is terminated. A record is written to SYS1.LOGREC, and an SVC dump is requested.

System Programmer Response: See the *MQSeries for OS/390 Problem Determination Guide* for information about identifying and reporting the problem.

Problem Determination: Collect the following items, and contact your IBM support center:

- Console output
- System dump
- Printout of SYS1.LOGREC

00E50096

Explanation: An internal error has occurred.

Module: Various.

System Action: The requesting execution unit is abended. A record is written to SYS1.LOGREC, and an SVC dump is requested.

System Programmer Response: Collect the following items, and contact your IBM support center:

- Console output
- System dump
- Printout of SYS1.LOGREC

00E50097

Explanation: An internal error has occurred.

Module: Various.

System Action: The requesting execution unit is abended. A record is written to SYS1.LOGREC, and an SVC dump is requested.

System Programmer Response: Collect the following items, and contact your IBM support center:

- Console output
- System dump
- Printout of SYS1.LOGREC

00E50100

Explanation: An internal error has occurred.

Module: CSQVRSTK

System Action: The requesting recovery routine is abended. A record is written to SYS1.LOGREC, and an SVC dump is requested.

System Programmer Response: Collect the following items, and contact your IBM support center:

- Console output
- System dump
- Printout of SYS1.LOGREC

00E50101

Explanation: MQSeries was unable to establish an ESTAE.

Module: CSQVAGCL

System Action: The abend is passed on to a subsystem support subcomponent (SSS) ESTAE. Probably, MQSeries is abended. A record is written to SYS1.LOGREC, and an SVC dump is requested.

Operator Response: Notify the system programmer, and restart MQSeries.

System Programmer Response: The inability to establish an ESTAE is normally due to insufficient free space in the local system queue area (LSQA) for an ESTAE control block (SCB). If necessary, increase the size of the MQSeries address space.

Problem Determination: Review the associated SVC dump for usage and free areas in the LSQA subpools belonging to the system services address space.

If you are unable to solve the problem, collect the following items and contact your IBM support center:

- Console output
- System dump
- Printout of SYS1.LOGREC

00E50102

Explanation: An unrecoverable error occurred while canceling all active agents during processing of the STOP QMGR MODE(FORCE) command. This is a subsystem termination reason code.

Module: CSQVAGCL

System Action: The subsystem is abended. A record is written to SYS1.LOGREC.

Operator Response: Notify the system programmer, and restart MQSeries.

System Programmer Response: See the *MQSeries for OS/390 Problem Determination Guide* for information about problem determination procedures.

Problem Determination: Review the SYS1.LOGREC entries for errors immediately preceding subsystem termination.

You might find the following items useful in resolving the problem:

- Console output
- Printout of SYS1.LOGREC

00E50500

Explanation: An OS/390 LOCAL or CML lock could not be obtained during MQSeries subsystem abnormal termination processing.

Module: CSQVATRM

System Action: The execution unit is abended. The error is recorded on SYS1.LOGREC, and abnormal MQSeries subsystem termination is completed under a different execution unit if possible.

Operator Response: Notify the system programmer, and restart MQSeries.

System Programmer Response: See the *MQSeries for OS/390 Problem Determination Guide* for information about problem determination procedures, dump analysis, and finding the SDWA.

Problem Determination: A SYS1.LOGREC entry is requested. Reason code 00E50504 is placed in the SDWA variable recording area (VRA). The VRA data contains information about the status of subsystem termination at the time of error.

You might find the following items useful in resolving the problem:

- Console output
- Printout of SYS1.LOGREC

00E50501

Explanation: An OS/390 LOCAL or CML lock could not be released during MQSeries subsystem abnormal termination processing.

Module: CSQVATRM

System Action: The execution unit is abended. The error is recorded on SYS1.LOGREC. MQSeries subsystem termination is completed under a different execution unit if possible.

Operator Response: Notify the system programmer, and restart MQSeries.

System Programmer Response: See the *MQSeries for OS/390 Problem Determination Guide* for information about problem determination procedures, dump analysis, and finding the SDWA.

Problem Determination: A SYS1.LOGREC entry is requested. Reason code 00E50504 is placed in the SDWA variable recording area (VRA). The VRA data contains information about the status of subsystem termination at the time of error.

You might find the following items useful in resolving the problem:

- Console output
- Printout of SYS1.LOGREC

00E50502

Explanation: An OS/390 LOCAL lock could not be obtained during MQSeries subsystem abnormal termination processing.

Module: CSQVATR4

System Action: The execution unit is abended. The error is recorded on SYS1.LOGREC, and abnormal MQSeries subsystem termination is completed under a different execution unit if possible.

Operator Response: Notify the system programmer, and restart MQSeries.

System Programmer Response: See the *MQSeries for OS/390 Problem Determination Guide* for information about problem determination procedures, dump analysis, and finding the SDWA.

Problem Determination: A SYS1.LOGREC entry is requested. Reason code 00E50502 is placed in the SDWA variable recording area (VRA). The VRA data contains information about the status of the subsystem termination at the time of error.

You might find the following items useful in resolving the problem:

- Console output
- Printout of SYS1.LOGREC

00E50503

Explanation: An OS/390 LOCAL lock could not be released during MQSeries subsystem abnormal termination processing.

Module: CSQVATR4

System Action: The execution unit is abended. The error is recorded on SYS1.LOGREC, and abnormal MQSeries subsystem termination is completed under a different execution unit if possible.

Operator Response: Notify the system programmer, and restart MQSeries.

System Programmer Response: See the *MQSeries for OS/390 Problem Determination Guide* for information about problem determination procedures, dump analysis, and finding the SDWA.

Problem Determination: A SYS1.LOGREC entry is requested. Reason code 00E50503 is placed in the SDWA variable recording area (VRA). The VRA data contains information about the status of the subsystem termination at the time of error.

You might find the following items useful in resolving the problem:

- Console output
- Printout of SYS1.LOGREC

00E50504

Explanation: This reason code is used to define the format of the information recorded in the SDWA variable recording area (VRA) by the subsystem termination processor. The code identifies additional information provided in the VRA for abends encountered in module CSQVATRM.

Module: CSQVATRR

System Action: Recording of the error encountered during subsystem termination continues.

System Programmer Response: See the *MQSeries for OS/390 Problem Determination Guide* for information about problem determination procedures, dump analysis, and finding the SDWA.

00E50505

Explanation: This reason code is used to define the format of the information recorded in the SDWA variable recording area (VRA). The code identifies additional information provided in the VRA for abends encountered in module CSQVATR4.

Module: CSQVATRR

System Action: Recording of the error encountered during subsystem termination continues.

System Programmer Response: See the *MQSeries for OS/390 Problem Determination Guide* for information about problem determination procedures, dump analysis, and finding the SDWA.

00E50701

Explanation: A problem occurred during Commit Phase-1. This abend is used to effect backout, deallocation, and end-UR processing.

Module: CSQVEUS2, CSQVEUS3

System Action: The MQSeries subsystem is abended. A record is written to SYS1.LOGREC, and an SVC dump is requested.

Operator Response: Notify the system programmer, and restart MQSeries.

System Programmer Response: The recovery routine for the CSECT issuing this reason code records information in the variable recording area (VRA). See the *MQSeries for OS/390 Problem Determination Guide* for information about problem determination procedures, dump analysis, and the VRA.

Problem Determination: Standard MQSeries diagnostic information can be obtained through SYS1.LOGREC and SVC dump materials generated at the time of the abend.

If you are unable to resolve the problem, collect the following items, and contact your IBM support center:

- Console output
- System dump
- Printout of SYS1.LOGREC

00E50702

Explanation: An error occurred while processing in SRB mode which could not be recovered. This error usually occurs because the log data sets have been reformatted, without reformatting the page sets (so they still contain active data).

Module: CSQVEUS2

System Action: The MQSeries subsystem is abended with this reason code. An MQSeries dump of the original error was requested by the recovery routine for CSQVEUS2 and a record written to SYS1.LOGREC.

Operator Response: Notify the system programmer and restart MQSeries.

System Programmer Response: Scan the SYS1.LOGREC entries looking for one or more MQSeries abends immediately prior to the subsystem termination. See the *MQSeries for OS/390 Problem Determination Guide* for information about problem determination procedures.

00E50703

Explanation: This subsystem termination reason code is used following an error while attempting to resume a suspended execution unit. The successful completion of resume processing was 'indoubt'.

Module: CSQVCST0, CSQVDST0, CSQVEUS1, CSQVEUS3

System Action: The MQSeries subsystem is abended. A record is written to SYS1.LOGREC, and an SVC dump is requested.

Operator Response: Notify the system programmer, and restart MQSeries.

System Programmer Response: MQSeries diagnostic information can be obtained through SYS1.LOGREC and SVC dump materials generated at the time of the original error. Scan the SYS1.LOGREC entries for one or more MQSeries abends occurring immediately prior to the subsystem termination. See the *MQSeries for OS/390 Problem Determination Guide* for information about problem determination procedures.

Problem Determination: You might find the following items useful in resolving the problem:

- Console output
- Printout of SYS1.LOGREC

00E50704

Explanation: An internal error has occurred.

Module: CSQVEUS4

System Action: The subsystem is terminated with this reason code. Additionally, if no SDWA was provided to the recovery routine, a subsystem termination dump is requested.

Operator Response: Notify the system programmer and restart MQSeries.

System Programmer Response: Scan the SYS1.LOGREC entries looking for one or more MQSeries abends immediately prior to the subsystem termination. See the *MQSeries for OS/390 Problem Determination Guide* for information about problem determination procedures.

Problem Determination: If you are unable to resolve the problem, collect the following items, and contact your IBM support center:

- Console output
- System dump
- Printout of SYS1.LOGREC

00E50705

Explanation: An internal error has occurred.

Module: CSQVEOT1, CSQVEUS2, CSQVEUS3

System Action: The MQSeries subsystem is abended.

Operator Response: Notify the system programmer and restart MQSeries.

System Programmer Response: Collect the following items, and contact your IBM support center:

- Console output
- System dump
- Printout of SYS1.LOGREC

00E50706

Explanation: An internal error has occurred.

Module: CSQVEOT1

System Action: The subsystem is terminated with this reason code. Additionally, if no SDWA was provided to the recovery routine, a subsystem termination dump is requested. A record is written to SYS1.LOGREC.

Operator Response: Notify the system programmer of the problem and restart MQSeries.

System Programmer Response: Scan the SYS1.LOGREC entries looking for one or more MQSeries abends immediately prior to the subsystem termination. See the *MQSeries for OS/390 Problem Determination Guide* for information about problem determination procedures.

Problem Determination: If an SDWA was available, an MQSeries dump of the original error was requested and should be analyzed to determine the nature of the original error. If no SDWA was available, the standard OS/390 SVC dump taken by subsystem termination must be analyzed. If you are unable to resolve the problem, collect the following items, and contact your IBM support center:

- Console output
- System dump
- Printout of SYS1.LOGREC

00E50707

Explanation: An ESTAE could not be established.

Module: CSQVEUS3, CSQVEUS4, CSQVEOT1, CSQVRCT

System Action: The MQSeries subsystem is abended. A record is written to SYS1.LOGREC.

Operator Response: Notify the system programmer, and restart MQSeries.

System Programmer Response: Review the usage and the free areas in the LSQA subpool of the MQSeries address space. If necessary, increase the private area size of the address space. See the *MQSeries for OS/390 Problem Determination Guide* for information about problem determination procedures, dump analysis, and finding the SDWA.

The recovery routine for the CSECT issuing this reason code records information in the variable recording area (VRA).

Problem Determination: If subsystem termination was requested by module CSQVRCT, a standard OS/390 SVC dump was requested. If insufficient private storage is the cause of the problem, other MQSeries resource managers might have abended.

If you are unable to resolve the problem, collect the following items, and contact your IBM support center:

- Console output
- System dump
- Printout of SYS1.LOGREC

00E50708

Explanation: An abend occurred while connecting an allied agent to the MQSeries address space. The connection must complete so that the allied agent can be terminated.

Module: CSQVCONN

System Action: The MQSeries subsystem is terminated with this reason code. An MQSeries dump of the original error was requested and a record entered into SYS1.LOGREC.

Operator Response: Notify the system programmer of the problem and restart MQSeries.

System Programmer Response: Scan the SYS1.LOGREC entries looking for one or more MQSeries abends immediately prior to the subsystem termination. See the *MQSeries for OS/390 Problem Determination Guide* for information about problem determination procedures.

00E50709

Explanation: An internal error has occurred.

Module: CSQVSTAI

System Action: The MQSeries subsystem is abended.

Operator Response: Notify the system programmer, and restart MQSeries.

System Programmer Response: Scan the SYS1.LOGREC entries for one or more MQSeries abends occurring immediately prior to the subsystem termination. See the *MQSeries for OS/390 Problem Determination Guide* for information about problem determination procedures, dump analysis, and finding the SDWA.

Problem Determination: MQSeries diagnostic information can be obtained through SYS1.LOGREC and SVC dump materials generated at the time of the original error.

If you are unable to resolve the problem, collect the following items, and contact your IBM support center:

- Console output
- Printout of SYS1.LOGREC

00E50710

Explanation: An internal error has occurred.

Module: CSQVDISC

System Action: The MQSeries subsystem is terminated with this reason code. An MQSeries dump of the original error was requested and a record entered into SYS1.LOGREC.

Operator Response: Notify the system programmer of the problem and restart MQSeries.

System Programmer Response: Scan the SYS1.LOGREC entries looking for one or more MQSeries abends immediately prior to the subsystem termination. See the *MQSeries for OS/390 Problem Determination Guide* for information about problem determination procedures.

Problem Determination: MQSeries diagnostic information can be obtained through SYS1.LOGREC and SVC dump materials generated at the time of the original error.

If you are unable to resolve the problem, collect the following items, and contact your IBM support center:

- Console output
- Printout of SYS1.LOGREC

00E50711

Explanation: An internal error has occurred.

Module: CSQVLFRR

System Action: The MQSeries subsystem is terminated with this reason code. An MQSeries dump of the original error was requested and a record entered into SYS1.LOGREC.

Operator Response: Notify the system programmer of the problem and restart MQSeries.

System Programmer Response: Scan the SYS1.LOGREC entries looking for one or more MQSeries abends immediately prior to the subsystem termination. See the *MQSeries for OS/390 Problem Determination Guide* for information about problem determination procedures.

Problem Determination: MQSeries diagnostic information can be obtained through SYS1.LOGREC and SVC dump materials generated at the time of the original error.

If you are unable to resolve the problem, collect the following items, and contact your IBM support center:

- Console output
- Printout of SYS1.LOGREC

00E50712

Explanation: An error occurred in a latch manager function attempting to terminate the holder of an MQSeries latch. The holder's TCB has been set nondispatchable by OS/390 and a CALLRTM to terminate this TCB was unsuccessful.

Module: CSQVXLT0, CSQVLFRR

System Action: The MQSeries subsystem is terminated with this reason code. An MQSeries dump of the error is requested and a record entered into SYS1.LOGREC.

Operator Response: Notify the system programmer of the problem and restart MQSeries.

System Programmer Response: Scan the SYS1.LOGREC entries for one or more MQSeries abends immediately prior to the subsystem termination. See the *MQSeries for OS/390 Problem Determination Guide* for information about problem determination procedures.

Problem Determination: Register 3 at time of error contains the latch-holder's TCB address in the home address space and register 4 contains the return code from CALLRTM.

You might find the following items useful in resolving the problem:

- Console output
- Printout of SYS1.LOGREC
- System dump

00E50713

Explanation: An internal error has occurred.

Module: CSQVRCT

System Action: The MQSeries subsystem is abended. An OS/390 SVC dump is requested by the subsystem termination processor and a record is written to SYS1.LOGREC.

Operator Response: Notify the system programmer, and restart MQSeries.

System Programmer Response: Scan the SYS1.LOGREC entries for one or more MQSeries abends occurring immediately prior to the subsystem termination. It might be necessary to analyze the OS/390 SVC dump requested by the subsystem termination processor. See the *MQSeries for OS/390 Problem Determination Guide* for information about problem determination procedures, dump analysis, and the VRA.

Problem Determination: If you are unable to resolve the problem, collect the following items, and contact your IBM support center:

- Console output
- System dump
- Printout of SYS1.LOGREC

00E50715

Explanation: Subsystem termination was requested following an unrecoverable error in an MQSeries SRB mode execution unit.

Module: CSQVRCT

System Action: The SRB-related task was abended as a result of SRB to TCB percolation. The MQSeries subsystem is abended.

Operator Response: Notify the system programmer, and restart MQSeries.

System Programmer Response: Scan the SYS1.LOGREC entries for one or more MQSeries abends occurring immediately prior to the subsystem termination. See the *MQSeries for OS/390 Problem Determination Guide* for information about problem determination procedures.

Problem Determination: MQSeries diagnostic information can be obtained through SYS1.LOGREC and SVC dump materials generated at the time of the original error.

You might find the following items useful in resolving the problem:

- Console output
- Printout of SYS1.LOGREC

00E50717

Explanation: An internal error has occurred.

Module: CSQVEUS3

System Action: The MQSeries subsystem is abended.

Operator Response: Notify the system programmer, and restart MQSeries.

System Programmer Response: Scan the SYS1.LOGREC entries for one or more MQSeries abends occurring immediately prior to the subsystem termination. See the *MQSeries for OS/390 Problem Determination Guide* for information about problem determination procedures.

Problem Determination: If an abend preceded the subsystem termination request, MQSeries diagnostic information can be obtained through SYS1.LOGREC and SVC dump materials.

If you are unable to resolve the problem, collect the following items, and contact your IBM support center:

- Console output
- Printout of SYS1.LOGREC

00E50719

Explanation: An internal error has occurred.

Module: CSQVSTAI

System Action: The MQSeries subsystem is abended.

Operator Response: Notify the system programmer, and restart MQSeries.

System Programmer Response: Scan the SYS1.LOGREC entries for one or more MQSeries abends occurring immediately prior to the subsystem termination. See the *MQSeries for OS/390 Problem Determination Guide* for information about problem determination procedures.

Problem Determination: If you are unable to resolve the problem, collect the following items, and contact your IBM support center:

- Console output
- System dump
- Printout of SYS1.LOGREC

00E50725

Explanation: Subsystem termination was requested because of an unrecovered error in an MQSeries scheduled SRB-mode execution unit.

Module: CSQVRCT

System Action: The SRB-related task was abended, due to SRB to TCB percolation. The MQSeries subsystem is abended.

Operator Response: Notify the system programmer, and restart MQSeries.

System Programmer Response: Scan the SYS1.LOGREC entries for one or more MQSeries abends occurring immediately prior to the subsystem termination. If necessary, analyze the OS/390 SVC dump requested by subsystem termination. See the *MQSeries for OS/390 Problem Determination Guide* for information about problem determination procedures.

Problem Determination: MQSeries diagnostic information can be obtained through SYS1.LOGREC and SVC dump materials obtained as a result of abends occurring prior to subsystem termination. An OS/390 SVC dump was requested by system termination. To determine the location of the error, examine the RB structure of the TCB in error. Register 1 contains the original SRB abend code.

You might find the following items useful in resolving the problem:

- Console output
- System dump
- Printout of SYS1.LOGREC

00E50727

Explanation: A secondary error occurred during agent services functional recovery processing. This is a subsystem termination reason code.

Module: CSQVEUS1, CSQVEUS2, CSQVDST0, CSQVEOT1, CSQVSTAI

System Action: The MQSeries subsystem is abended.

Operator Response: Notify the system programmer, and restart MQSeries.

System Programmer Response: Scan the SYS1.LOGREC entries for one or more MQSeries abends occurring immediately prior to the subsystem termination. See the *MQSeries for OS/390 Problem Determination Guide* for information about problem determination procedures. Determine the functional recovery routine in error and the registers at the time of the problem.

Problem Determination: MQSeries diagnostic information can be obtained through SYS1.LOGREC and SVC dump materials generated at the time of the original error. If the subsystem termination request was issued by module CSQVEUS2, an OS/390 SVC dump was requested.

You might find the following items useful in resolving the problem:

- Console output
- System dump
- Printout of SYS1.LOGREC

Instrumentation facilities codes (X'E6')

00E60008

Explanation: An internal error has occurred.

Module: CSQWVAPR

System Action: The function being traced is abended. The MQSeries subsystem remains operational.

System Programmer Response: Collect the following items, and contact your IBM support center:

- Console output
- System dump
- Printout of SYS1.LOGREC

00E60017

Explanation: This code is an internal code used by the dump formatter.

Module: CSQWDACE, CSQWDCBF

System Action: The request is abended.

System Programmer Response: Collect the following items, and contact your IBM support center:

- Console output
- System dump
- Printout of SYS1.LOGREC

00E60085

Explanation: An internal error has occurred.

Module: CSQWVAPR, CSQWVCSP, CSQWVOPX

System Action: The request is abended.

System Programmer Response: Collect the following items, and contact your IBM support center:

- Console output
- System dump
- Printout of SYS1.LOGREC

00E60086

Explanation: An internal error has occurred.

Module: CSQWVOPX

System Action: The request is abended.

System Programmer Response: Collect the following items, and contact your IBM support center:

- Console output
- System dump
- Printout of SYS1.LOGREC

00E60087

Explanation: An internal error has occurred.

Module: CSQWVOPX

System Action: The request is abended.

System Programmer Response: Collect the following items, and contact your IBM support center:

- Console output
- System dump
- Printout of SYS1.LOGREC

00E60088

Explanation: An internal error has occurred.

Module: CSQWVSR2

System Action: The request is abended.

System Programmer Response: Collect the following items, and contact your IBM support center:

- Console output
- System dump
- Printout of SYS1.LOGREC

00E60089

Explanation: An internal error has occurred.

Module: CSQAET04

System Action: The request is abended.

System Programmer Response: Collect the following items, and contact your IBM support center:

- Console output
- System dump
- Printout of SYS1.LOGREC

00E60100 through 00E60199

Explanation: The reason codes 00E60100 through 00E60199 are used by the instrumentation facility component (IFC) when a trace event occurs for which IBM service personnel have requested a dump using the IFC selective dump service aid.

Module: CSQWVAPR

System Action: The abending agent might be retried or terminated, depending upon the serviceability dump request.

Problem Determination: The abend is issued on the occurrence of a specified trace event. An SVC dump is taken to the SYS1.DUMPxx data set. Problem determination methods depend on the condition that IBM service personnel are attempting to trap.

Distributed queuing codes (X'E7')

00E70001

Explanation: An internal error has occurred.

System Action: The current execution unit terminates with abend code X'5C6'.

System Programmer Response: Collect the items listed in the Problem Determination section and contact your IBM support center.

Problem Determination: Collect the following diagnostic items:

- A description of the action(s) that led to the abend and details of any command being issued at the time of the failure
- If the abend affected a message channel agent, a listing of any user channel exit programs used by the message channel agent
- MQSeries job log
- Channel initiator job log
- System dump resulting from the abend

00E70002

Explanation: No adapter subtasks are active. They have failed many times and so have not been restarted.

System Action: The channel initiator terminates.

System Programmer Response: Investigate the adapter subtask failure problems, as reported in the messages associated with each failure.

00E70003

Explanation: No dispatchers are active. Either all the dispatchers failed to start, or all the dispatchers have failed many times and so have not been restarted.

System Action: The channel initiator terminates.

System Programmer Response: Investigate the dispatcher failure problems, as reported in the messages associated with each failure.

00E70004

Explanation: An internal error has occurred.

System Action: The current execution unit terminates with abend code X'5C6'.

System Programmer Response: Collect the items listed in the Problem Determination section and contact your IBM support center.

Problem Determination: Collect the following diagnostic items:

- A description of the action(s) that led to the abend and details of any command being issued at the time of the failure
- MQSeries job log
- Channel initiator job log
- System dump resulting from the abend

00E70007

Explanation: An attempt by an adapter subtask to obtain some storage failed.

System Action: The current execution unit terminates with abend code X'5C6'.

System Programmer Response: Increase the size of the channel initiator address space, or reduce the number of dispatchers, adapter subtasks, and active channels being used.

00E70008

Explanation: An internal error has occurred.

System Action: The current execution unit terminates with abend code X'5C6'.

System Programmer Response: Collect the items listed in the Problem Determination section and contact your IBM support center.

Problem Determination: Collect the following diagnostic items:

- A description of the action(s) that led to the abend and details of any command being issued at the time of the failure
- MQSeries job log
- Channel initiator job log
- System dump resulting from the abend

00E70009

Explanation: An internal error has occurred.

System Action: The current execution unit terminates with abend code X'5C6'.

System Programmer Response: Collect the items listed in the Problem Determination section and contact your IBM support center.

Problem Determination: Collect the following diagnostic items:

- A description of the action(s) that led to the abend and details of any command being issued at the time of the failure
- MQSeries job log
- Channel initiator job log
- System dump resulting from the abend

00E7000A

Explanation: An internal error has occurred.

System Action: The current execution unit terminates with abend code X'5C6'.

System Programmer Response: Collect the items listed in the Problem Determination section and contact your IBM support center.

Problem Determination: Collect the following diagnostic items:

- A description of the action(s) that led to the abend and details of any command being issued at the time of the failure
- MQSeries job log
- Channel initiator job log
- System dump resulting from the abend

00E70011

Explanation: The channel initiator was unable to load the module CSQXBENT.

System Action: The current execution unit terminates with abend code X'5C6'.

System Programmer Response: Check the console for messages indicating why CSQXBENT was not loaded. Ensure that the module is in the required library, and that it is referenced correctly.

The channel initiator attempts to load this module from the library data sets under the STEPLIB DD statement of its started task procedure xxxxCHIN.

00E70013

Explanation: Some adapter subtasks were requested, but none could be attached.

System Action: The current execution unit terminates with abend code X'5C6'.

System Programmer Response: Investigate the adapter subtask attach problems, as reported in the messages associated with each failure. If you cannot resolve the problems, collect the items listed in the Problem Determination section and contact your IBM support center.

Problem Determination: Collect the following diagnostic items:

- A description of the action(s) that led to the abend and details of any command being issued at the time of the failure
- MQSeries job log
- Channel initiator job log
- System dump resulting from the abend

00E70015

Explanation: An internal error has occurred.

System Action: The current execution unit terminates with abend code X'5C6'.

System Programmer Response: Collect the items listed in the Problem Determination section and contact your IBM support center.

Problem Determination: Collect the following diagnostic items:

- A description of the action(s) that led to the abend and details of any command being issued at the time of the failure
- MQSeries job log
- Channel initiator job log
- System dump resulting from the abend

00E7001C

Explanation: The channel initiator was unable to load the channel initiator parameters module.

System Action: The channel initiator ends.

System Programmer Response: Check the console for messages indicating why the module was not loaded. Ensure that the module is in the required library, and that it is referenced correctly.

The channel initiator attempts to load this module from the library data sets under the STEPLIB DD statement of its started task procedure xxxxCHIN. The module name is that specified in the PARM keyword of the START CHINIT command; the default is CSQXPARM.

00E7001D

Explanation: During startup, the channel initiator was unable obtain some storage below 16M.

System Action: The channel initiator ends.

System Programmer Response: Investigate the cause of the problem.

00E7001E

Explanation: An internal error has occurred.

System Action: The channel initiator terminates with abend code X'5C6'.

System Programmer Response: Collect the items listed in the Problem Determination section and contact your IBM support center.

Problem Determination: Collect the following diagnostic items:

- A description of the action(s) that led to the abend and details of any command being issued at the time of the failure
- MQSeries job log
- Channel initiator job log
- System dump resulting from the abend

00E7001F

Explanation: An internal error has occurred.

System Action: The channel initiator terminates with abend code X'5C6'.

System Programmer Response: Collect the items listed in the Problem Determination section and contact your IBM support center.

Problem Determination: Collect the following diagnostic items:

- A description of the action(s) that led to the abend and details of any command being issued at the time of the failure
- MQSeries job log
- Channel initiator job log
- System dump resulting from the abend

00E70021

Explanation: An internal error has occurred.

System Action: The channel initiator terminates with abend code X'5C6'.

System Programmer Response: Collect the items listed in the Problem Determination section and contact your IBM support center.

Problem Determination: Collect the following diagnostic items:

- A description of the action(s) that led to the abend and details of any command being issued at the time of the failure
- MQSeries job log
- Channel initiator job log
- System dump resulting from the abend

00E70022

Explanation: An internal error has occurred.

System Action: The current execution unit terminates with abend code X'5C6'.

System Programmer Response: Collect the items listed in the Problem Determination section and contact your IBM support center.

Problem Determination: Collect the following diagnostic items:

- A description of the action(s) that led to the abend and details of any command being issued at the time of the failure
- MQSeries job log
- Channel initiator job log
- System dump resulting from the abend

00E70023

Explanation: An internal error has occurred.

System Action: The current execution unit terminates with abend code X'5C6'.

System Programmer Response: Collect the items listed in the Problem Determination section and contact your IBM support center.

Problem Determination: Collect the following diagnostic items:

- A description of the action(s) that led to the abend and details of any command being issued at the time of the failure
- MQSeries job log
- Channel initiator job log
- System dump resulting from the abend

00E70024

Explanation: An internal error has occurred.

System Action: The current execution unit terminates with abend code X'5C6'.

System Programmer Response: Collect the items listed in the Problem Determination section and contact your IBM support center.

Problem Determination: Collect the following diagnostic items:

- A description of the action(s) that led to the abend and details of any command being issued at the time of the failure
- MQSeries job log
- Channel initiator job log
- System dump resulting from the abend

00E70031

Explanation: An internal error has occurred. A lock is currently held by a task that has terminated.

System Action: The current execution unit terminates with abend code X'5C6'.

System Programmer Response: Determine why the terminated task did not free the lock. This might be due to a previous abend. If you are unable to resolve the problem, collect the items listed in the Problem Determination section and contact your IBM support center.

Problem Determination: Collect the following diagnostic items:

- A description of the actions that led to the abend and details of any command being issued at the time of the failure
- MQSeries job log
- Channel initiator job log
- System dump resulting from the abend

00E7010C

Explanation: An internal error has occurred.

System Action: The current execution unit terminates with abend code X'5C6'.

System Programmer Response: Collect the items listed in the Problem Determination section and contact your IBM support center.

Problem Determination: Collect the following diagnostic items:

- A description of the action(s) that led to the abend and details of any command being issued at the time of the failure
- MQSeries job log
- Channel initiator job log
- System dump resulting from the abend

00E7010E

Explanation: The dispatcher detected an inconsistency in the linkage stack.

System Action: The current execution unit terminates with abend code X'5C6'.

System Programmer Response: The most likely cause is incorrect use of the linkage stack by a user exit; exits must issue any MQI calls and return to the caller at the same linkage stack level as they were entered. If exits are not being used, or if they do not use the linkage stack, collect the items listed in the Problem Determination section and contact your IBM support center.

Problem Determination: Collect the following diagnostic items:

- A description of the action(s) that led to the abend and details of any command being issued at the time of the failure

- MQSeries job log
- Channel initiator job log
- System dump resulting from the abend

00E7010F

Explanation: An internal error has occurred.

System Action: The current execution unit terminates with abend code X'5C6'.

System Programmer Response: Collect the items listed in the Problem Determination section and contact your IBM support center.

Problem Determination: Collect the following diagnostic items:

- A description of the action(s) that led to the abend and details of any command being issued at the time of the failure
- MQSeries job log
- Channel initiator job log
- System dump resulting from the abend

00E7014A

Explanation: An internal error has occurred.

System Action: The current execution unit terminates with abend code X'5C6'.

System Programmer Response: Collect the items listed in the Problem Determination section and contact your IBM support center.

Problem Determination: Collect the following diagnostic items:

- A description of the action(s) that led to the abend and details of any command being issued at the time of the failure
- MQSeries job log
- Channel initiator job log
- System dump resulting from the abend

00E7014C

Explanation: An internal error has occurred.

System Action: The current execution unit terminates with abend code X'5C6'.

System Programmer Response: Collect the items listed in the Problem Determination section and contact your IBM support center.

Problem Determination: Collect the following diagnostic items:

- A description of the action(s) that led to the abend and details of any command being issued at the time of the failure
- MQSeries job log
- Channel initiator job log
- System dump resulting from the abend

00E7014D

Explanation: An internal error has occurred.

System Action: The current execution unit terminates with abend code X'5C6'.

System Programmer Response: Collect the items listed in the Problem Determination section and contact your IBM support center.

Problem Determination: Collect the following diagnostic items:

- A description of the action(s) that led to the abend and details of any command being issued at the time of the failure
- MQSeries job log
- Channel initiator job log
- System dump resulting from the abend

00E7014F

Explanation: An internal error has occurred.

System Action: The current execution unit terminates with abend code X'5C6'.

System Programmer Response: Collect the items listed in the Problem Determination section and contact your IBM support center.

Problem Determination: Collect the following diagnostic items:

- A description of the action(s) that led to the abend and details of any command being issued at the time of the failure
- MQSeries job log
- Channel initiator job log
- System dump resulting from the abend

00E70214

Explanation: An internal error has occurred.

System Action: The current execution unit terminates with abend code X'5C6'.

System Programmer Response: Collect the items listed in the Problem Determination section and contact your IBM support center.

Problem Determination: Collect the following diagnostic items:

- A description of the action(s) that led to the abend and details of any command being issued at the time of the failure
- The channel definitions being used
- MQSeries job log
- Channel initiator job log
- System dump resulting from the abend

00E70216

Explanation: An internal error has occurred.

System Action: The current execution unit terminates with abend code X'5C6'.

System Programmer Response: Collect the items listed in the Problem Determination section and contact your IBM support center.

Problem Determination: Collect the following diagnostic items:

- A description of the action(s) that led to the abend and details of any command being issued at the time of the failure
- The channel definitions being used
- MQSeries job log
- Channel initiator job log
- System dump resulting from the abend

00E70226

Explanation: An internal error has occurred.

System Action: The current execution unit terminates with abend code X'5C6'.

System Programmer Response: Collect the items listed in the Problem Determination section and contact your IBM support center.

Problem Determination: Collect the following diagnostic items:

- A description of the action(s) that led to the abend and details of any command being issued at the time of the failure
- The channel definitions being used
- MQSeries job log
- Channel initiator job log
- System dump resulting from the abend

00E70231

Explanation: An internal error has occurred.

System Action: The current execution unit terminates with abend code X'5C6'.

System Programmer Response: Collect the items listed in the Problem Determination section and contact your IBM support center.

Problem Determination: Collect the following diagnostic items:

- A description of the action(s) that led to the abend and details of any command being issued at the time of the failure
- The channel definitions being used
- MQSeries job log
- Channel initiator job log
- System dump resulting from the abend

00E70232

Explanation: An internal error has occurred.

System Action: The current execution unit terminates with abend code X'5C6'.

System Programmer Response: Collect the items listed in the Problem Determination section and contact your IBM support center.

Problem Determination: Collect the following diagnostic items:

- A description of the action(s) that led to the abend and details of any command being issued at the time of the failure
- The channel definitions being used
- MQSeries job log
- Channel initiator job log
- System dump resulting from the abend

00E70233

Explanation: An internal error has occurred.

System Action: The current execution unit terminates with abend code X'5C6'.

System Programmer Response: Collect the items listed in the Problem Determination section and contact your IBM support center.

Problem Determination: Collect the following diagnostic items:

- A description of the action(s) that led to the abend and details of any command being issued at the time of the failure
- The channel definitions being used
- MQSeries job log
- Channel initiator job log
- System dump resulting from the abend

00E70501

Explanation: An internal error has occurred.

System Action: The current execution unit terminates with abend code X'5C6'.

System Programmer Response: Collect the items listed in the Problem Determination section and contact your IBM support center.

Problem Determination: Collect the following diagnostic items:

- A description of the action(s) that led to the abend and details of any command being issued at the time of the failure
- The channel definitions being used
- MQSeries job log
- Channel initiator job log
- System dump resulting from the abend

00E70522

Explanation: An internal error has occurred.

System Action: The current execution unit terminates with abend code X'5C6'.

System Programmer Response: Collect the items listed in the Problem Determination section and contact your IBM support center.

Problem Determination: Collect the following diagnostic items:

- A description of the action(s) that led to the abend and details of any command being issued at the time of the failure
- The channel definitions being used
- MQSeries job log
- Channel initiator job log
- System dump resulting from the abend

00E70543

Explanation: An internal error has occurred.

System Action: The current execution unit terminates with abend code X'5C6'.

System Programmer Response: Collect the items listed in the Problem Determination section and contact your IBM support center.

Problem Determination: Collect the following diagnostic items:

- A description of the action(s) that led to the abend and details of any command being issued at the time of the failure
- The channel definitions being used
- MQSeries job log
- Channel initiator job log
- System dump resulting from the abend

00E70546

Explanation: An internal error has occurred.

System Action: The current execution unit terminates with abend code X'5C6'.

System Programmer Response: Collect the items listed in the Problem Determination section and contact your IBM support center.

Problem Determination: Collect the following diagnostic items:

- A description of the action(s) that led to the abend and details of any command being issued at the time of the failure
- The channel definitions being used
- MQSeries job log
- Channel initiator job log
- System dump resulting from the abend

00E70553

Explanation: An internal error has occurred.

System Action: The current execution unit terminates with abend code X'5C6'.

System Programmer Response: Collect the items listed in the Problem Determination section and contact your IBM support center.

Problem Determination: Collect the following diagnostic items:

- A description of the action(s) that led to the abend and details of any command being issued at the time of the failure
- The channel definitions being used
- MQSeries job log
- Channel initiator job log
- System dump resulting from the abend

00E705F0

Explanation: An internal error has occurred.

System Action: The current execution unit terminates with abend code X'5C6'.

System Programmer Response: Collect the items listed in the Problem Determination section and contact your IBM support center.

Problem Determination: Collect the following diagnostic items:

- A description of the action(s) that led to the abend and details of any command being issued at the time of the failure
- The channel definitions being used
- MQSeries job log
- Channel initiator job log
- System dump resulting from the abend

Initialization procedure and general services codes (X'E8')

00E80001

Explanation: An internal error has occurred.

Module: CSQYASCP

System Action: The MQSeries subsystem is terminated. A record is written to SYS1.LOGREC, and an SVC dump is requested.

System Programmer Response: The recovery routine for the CSECT issuing this reason code records information in the variable recording area (VRA). See the *MQSeries for OS/390 Problem Determination Guide* for information about problem determination procedures, the VRA, and dump analysis.

Problem Determination: Collect the following items, and contact your IBM support center:

- System dump
 - Printout of SYS1.LOGREC
 - Initialization procedure
-

00E80002

Explanation: The MQSeries address space was not started correctly or an error occurred during OS/390 IEFSSREQ processing.

Module: CSQYASCP

System Action: The MQSeries subsystem is terminated. A record is written to SYS1.LOGREC, and an SVC dump is requested.

System Programmer Response: The recovery routine for the CSECT issuing this reason code records information in the variable recording area (VRA). See the *MQSeries for OS/390 Problem Determination Guide* for information about problem determination procedures, the VRA, and dump analysis.

Problem Determination: Register 9 contains the address of an 8-byte field that contains the following diagnostic information:

- Bytes 1 through 4 – subsystem name
- Bytes 5 through 8 – contents of register 15 that contains the return code set by the OS/390 IEFSSREQ macro

You might find the following items useful in resolving the problem:

- System dump
 - Printout of SYS1.LOGREC
 - Initialization procedure
-

00E80003

Explanation: An internal error has occurred.

Module: CSQYASCP

System Programmer Response:

The recovery routine for the CSECT issuing this reason code records information in the variable recording area (VRA). See the *MQSeries for OS/390 Problem Determination Guide* for information about problem determination procedures, the VRA, and dump analysis.

Problem Determination: Collect the following items, and contact your IBM support center:

- System dump
 - Printout of SYS1.LOGREC
-

00E80004

Explanation: An internal error has occurred.

Module: CSQYASCP

System Programmer Response: The recovery routine for the CSECT issuing this reason code records information in the variable recording area (VRA). See the *MQSeries for OS/390 Problem Determination Guide* for information about problem determination procedures, the VRA, and dump analysis.

Problem Determination: Collect the following items, and contact your IBM support center:

- System dump
 - Printout of SYS1.LOGREC
-

00E80005

Explanation: An internal error has occurred.

Module: CSQYASCP

System Programmer Response: The recovery routine for the CSECT issuing this reason code records information in the variable recording area (VRA). See the *MQSeries for OS/390 Problem Determination Guide* for information about problem determination procedures, the VRA, and dump analysis.

Problem Determination: Collect the following items, and contact your IBM support center:

- System dump
 - Printout of SYS1.LOGREC
-

00E80006

Explanation: An internal error has occurred.

Module: CSQYASCP

System Programmer Response: The recovery routine for the CSECT issuing this reason code records information in the variable recording area (VRA). See the *MQSeries for OS/390 Problem Determination Guide* for information about problem determination procedures, the VRA, and dump analysis.

Problem Determination: Collect the following items, and contact your IBM support center:

- System dump
 - Printout of SYS1.LOGREC
-

00E8000E

Explanation: OS/390 was unable to establish an ESTAE for the MQSeries address space control task.

Module: CSQYASCP

System Action: The MQSeries subsystem is terminated. A record is written to SYS1.LOGREC, and an SVC dump is requested.

System Programmer Response: The recovery routine for the CSECT issuing this reason code records information in the variable recording area (VRA). See the *MQSeries for OS/390 Problem Determination Guide* for information about problem determination procedures, the VRA, and dump analysis.

Problem Determination: Register 9 contains the address of a 4-byte field that contains the ESTAE macro return code.

You might find the following items useful in resolving the problem:

- System dump
- Printout of SYS1.LOGREC

00E8000F

Explanation: Invalid startup parameters were specified. This was probably caused by an attempt to start MQSeries by some means other than the command START QMGR.

Module: CSQYASCP

System Action: The MQSeries subsystem is terminated. A record is written to SYS1.LOGREC, and an SVC dump is requested.

System Programmer Response: The recovery routine for the CSECT issuing this reason code records information in the variable recording area (VRA). See the *MQSeries for OS/390 Problem Determination Guide* for information about problem determination procedures, the VRA, and dump analysis.

Problem Determination: If you are unable to resolve the problem, collect the following items, and contact your IBM support center:

- System dump
- Printout of SYS1.LOGREC
- Initialization procedure

00E80011

Explanation: OS/390 was unable to make the address space non-swappable.

Module: CSQYASTR

System Action: The MQSeries subsystem is terminated. A record is written to SYS1.LOGREC, and an SVC dump is requested.

System Programmer Response: The recovery routine for the CSECT issuing this reason code records information in the variable recording area (VRA). See the *MQSeries for OS/390 Problem Determination Guide* for information about problem determination procedures, the VRA, and dump analysis.

Problem Determination: You might find the following items useful in resolving the problem:

- System dump
- Printout of SYS1.LOGREC
- Initialization procedure

00E80012

Explanation: An internal error has occurred.

Module: CSQYASTR

System Programmer Response: The recovery routine for the CSECT issuing this reason code records information in the variable recording area (VRA). See the *MQSeries for OS/390 Problem Determination Guide* for information about problem determination procedures, the VRA, and dump analysis.

Problem Determination: Collect the following items, and contact your IBM support center:

- System dump
- Printout of SYS1.LOGREC
- Initialization procedure

00E80013

Explanation: An internal error has occurred.

Module: CSQYASTR

System Action: The MQSeries subsystem is terminated. A record is written to SYS1.LOGREC, and an SVC dump is requested.

System Programmer Response: The recovery routine for the CSECT issuing this reason code records information in the variable recording area (VRA). See the *MQSeries for OS/390 Problem Determination Guide* for information about problem determination procedures, the VRA, and dump analysis.

Problem Determination: Collect the following items, and contact your IBM support center:

- System dump
- Printout of SYS1.LOGREC

00E8001F

Explanation: An internal error has occurred.

Module: CSQYASTR

System Action: The MQSeries subsystem is terminated. A record is written to SYS1.LOGREC, and an SVC dump is requested.

System Programmer Response: The recovery routine for the CSECT issuing this reason code records information in the variable recording area (VRA). See the *MQSeries for OS/390 Problem Determination Guide* for information about problem determination procedures, the VRA, and dump analysis.

Problem Determination: Collect the following items, and contact your IBM support center:

- System dump
- Printout of SYS1.LOGREC

00E8002F

Explanation: An internal error has occurred.

Module: CSQYASTP

System Action: The MQSeries subsystem is terminated. A record is written to SYS1.LOGREC, and an SVC dump is requested.

System Programmer Response: The recovery routine for the CSECT issuing this reason code records information in the variable recording area (VRA). See the *MQSeries for OS/390 Problem Determination Guide* for information about problem determination procedures, the VRA, and dump analysis.

Problem Determination: Collect the following items, and contact your IBM support center:

- System dump
- Printout of SYS1.LOGREC

00E80031

Explanation: An unsupported input parameter was detected for allied address space initialization.

Module: CSQYALLI

System Action: The caller's task is abended. A record is written to SYS1.LOGREC, and an SVC dump is requested.

System Programmer Response: The recovery routine for the CSECT issuing this reason code records information in the variable recording area (VRA). See the *MQSeries for OS/390 Problem Determination Guide* for information about problem determination procedures, the VRA, and dump analysis.

Problem Determination: Collect the following items, and contact your IBM support center:

- System dump
- Printout of SYS1.LOGREC

00E80032

Explanation: An unsupported input parameter was detected for allied address space termination.

Module: CSQYALLI

System Action: The caller's task is abended. A record is written to SYS1.LOGREC, and an SVC dump is requested.

System Programmer Response: The recovery routine for the CSECT issuing this reason code records information in the variable recording area (VRA). See the *MQSeries for OS/390 Problem Determination Guide* for information about problem determination procedures, the VRA, and dump analysis.

Problem Determination: Collect the following items, and contact your IBM support center:

- System dump
- Printout of SYS1.LOGREC

00E80033

Explanation: This reason code accompanies a X'6C6' system abend code. This module detected that the MQSeries subsystem was terminating.

Module: CSQYALLI

System Action: The caller's task is abended with code X'6C6'. A record is written to SYS1.LOGREC, and an SVC dump is requested.

System Programmer Response: The recovery routine for the CSECT issuing this reason code records information in the variable recording area (VRA). See the *MQSeries for OS/390 Problem Determination Guide* for information about problem determination procedures, the VRA, and dump analysis.

Problem Determination: You might find the following items useful in resolving the problem:

- System dump
- Printout of SYS1.LOGREC

00E8003C

Explanation: An internal error has occurred.

Module: CSQYALLI

System Action: The caller's task is abended. A record is written to SYS1.LOGREC, and an SVC dump is requested.

System Programmer Response: The recovery routine for the CSECT issuing this reason code records information in the variable recording area (VRA). See the *MQSeries for OS/390 Problem Determination Guide* for information about problem determination procedures, the VRA, and dump analysis.

Problem Determination: Collect the following items, and contact your IBM support center:

- System dump
- Printout of SYS1.LOGREC

00E8003D

Explanation: An internal error has occurred.

Module: CSQYALLI

System Action: Abnormal termination of the MQSeries subsystem is initiated. A record is written to SYS1.LOGREC, and an SVC dump is requested.

System Programmer Response: The recovery routine for the CSECT issuing this reason code records information in the variable recording area (VRA). See the *MQSeries for OS/390 Problem Determination Guide* for information about problem determination procedures, the VRA, and dump analysis.

Problem Determination: Collect the following items, and contact your IBM support center:

- System dump
- Printout of SYS1.LOGREC

00E8003E

Explanation: OS/390 was unable to establish an ESTAE in an address space about to be initialized as a MQSeries allied address space.

Module: CSQYALLI

System Action: The caller's task is abended. A record is written to SYS1.LOGREC, and an SVC dump is requested.

System Programmer Response: The recovery routine for the CSECT issuing this reason code records information in the variable recording area (VRA). See the *MQSeries for OS/390 Problem Determination Guide* for information about problem determination procedures, the VRA, and dump analysis.

Problem Determination: If you are unable to resolve the problem, collect the following items and contact your IBM support center:

- System dump
- Printout of SYS1.LOGREC

00E8003F

Explanation: An internal error has occurred.

Module: CSQYALLI

System Action: The caller's task is abended. A record is written to SYS1.LOGREC, and an SVC dump is requested.

System Programmer Response: The recovery routine for the CSECT issuing this reason code records information in the variable recording area (VRA). See the *MQSeries for OS/390 Problem Determination Guide* for information about problem determination procedures, the VRA, and dump analysis.

Problem Determination: Collect the following items, and contact your IBM support center:

- System dump
- Printout of SYS1.LOGREC

00E80041

Explanation: An internal error has occurred.

Module: CSQYAUTH

System Action: The MQSeries subsystem is terminated. A record is written to SYS1.LOGREC, and an SVC dump is requested.

System Programmer Response: The recovery routine for the CSECT issuing this reason code records information in the variable recording area (VRA). See the *MQSeries for OS/390 Problem*

00E80042 • 00E80054

Determination Guide for information about problem determination procedures, the VRA, and dump analysis.

Problem Determination: Collect the following items, and contact your IBM support center:

- System dump
- Printout of SYS1.LOGREC

00E80042

Explanation: An internal error has occurred.

Module: CSQYAUTH

System Action: The MQSeries subsystem is terminated. A record is written to SYS1.LOGREC, and an SVC dump is requested.

System Programmer Response: The recovery routine for the CSECT issuing this reason code records information in the variable recording area (VRA). See the *MQSeries for OS/390 Problem Determination Guide* for information about problem determination procedures, the VRA, and dump analysis.

Problem Determination: Collect the following items, and contact your IBM support center:

- System dump
- Printout of SYS1.LOGREC

00E8004F

Explanation: An internal error has occurred.

Module: CSQYAUTH

System Action: The MQSeries subsystem is terminated. A record is written to SYS1.LOGREC, and an SVC dump is requested.

System Programmer Response: The recovery routine for the CSECT issuing this reason code records information in the variable recording area (VRA). See the *MQSeries for OS/390 Problem Determination Guide* for information about problem determination procedures, the VRA, and dump analysis.

Problem Determination: Collect the following items, and contact your IBM support center:

- System dump
- Printout of SYS1.LOGREC

00E80051

Explanation: An error was detected in the command that was used to start the MQSeries subsystem. There are two conditions that can cause this error. If the START QMGR command is in error, this abend results.

Secondly, if the MQSeries subsystem is not running (had never been started, or had been stopped), any MQSeries command that is entered is interpreted as being a START QMGR command. In this second case, the subsystem starts just long enough to discover that the command actually is not a START QMGR command and then issues the abend.

Module: CSQYSTRT

System Action: The MQSeries subsystem is terminated. This error does not cause a SYS1.LOGREC record to be written or an SVC dump to be requested.

Operator Response: Reenter the command if it was entered in error; otherwise advise the system programmer.

System Programmer Response: The recovery routine for the CSECT issuing this reason code records information in the variable recording area (VRA). See the *MQSeries for OS/390 Problem Determination Guide* for information about problem determination procedures, the VRA, and dump analysis.

If you are unable to resolve the problem, contact your IBM support center.

00E80052

Explanation: An internal error has occurred.

Module: CSQYSTRT

System Action: The MQSeries subsystem is terminated. A record is written to SYS1.LOGREC, and an SVC dump is requested.

System Programmer Response: The recovery routine for the CSECT issuing this reason code records information in the variable recording area (VRA). See the *MQSeries for OS/390 Problem Determination Guide* for information about problem determination procedures, the VRA, and dump analysis. Collect the following items, and contact your IBM support center: You might find the following items useful in resolving the problem:

- System dump
- Printout of SYS1.LOGREC

00E80053

Explanation: An internal error has occurred.

Module: CSQYSTRT

System Action: The MQSeries subsystem is terminated. A record is written to SYS1.LOGREC, and an SVC dump is requested.

System Programmer Response: The recovery routine for the CSECT issuing this reason code records information in the variable recording area (VRA). See the *MQSeries for OS/390 Problem Determination Guide* for information about problem determination procedures, the VRA, and dump analysis.

Problem Determination: Collect the following items, and contact your IBM support center:

- System dump
- Printout of SYS1.LOGREC

00E80054

Explanation: An internal error has occurred.

Module: CSQYSTRT

System Action: The MQSeries subsystem is terminated. A record is written to SYS1.LOGREC, and an SVC dump is requested.

System Programmer Response: The recovery routine for the CSECT issuing this reason code records information in the variable recording area (VRA). See the *MQSeries for OS/390 Problem Determination Guide* for information about problem determination procedures, the VRA, and dump analysis.

Problem Determination: Collect the following items, and contact your IBM support center:

- System dump
- Printout of SYS1.LOGREC

00E80055

Explanation: An internal error has occurred.

Module: CSQYSTRT

System Action: The MQSeries subsystem is terminated. A record is written to SYS1.LOGREC, and an SVC dump is requested.

System Programmer Response: The recovery routine for the CSECT issuing this reason code records information in the variable recording area (VRA). See the *MQSeries for OS/390 Problem Determination Guide* for information about problem determination procedures, the VRA, and dump analysis.

Problem Determination: Collect the following items, and contact your IBM support center:

- System dump
- Printout of SYS1.LOGREC

00E80057

Explanation: An error occurred while trying to start an MQSeries address space. A possible cause of this problem would be a JCL error in a start up procedure.

Module: CSQYSTRT

System Action: The MQSeries subsystem is terminated. A record is written to SYS1.LOGREC, and an SVC dump is requested.

System Programmer Response: See the *MQSeries for OS/390 Problem Determination Guide* for information about problem determination procedures, the VRA, and dump analysis.

Problem Determination: You might find the following items useful in resolving the problem:

- Console output
- Printout of SYS1.LOGREC
- System dump
- Startup procedure for this subsystem

00E80058

Explanation: An error occurred during command prefix registration.

Module: CSQYSTRT

System Action: MQSeries abends.

System Programmer Response: See the accompanying CSQYxxx messages for information about the cause of the problem.

Problem Determination: You might find the following items useful in resolving the problem:

- Console log

00E8005F

Explanation: An internal error has occurred.

Module: CSQYSTRT

System Action: The MQSeries subsystem is terminated. A record is written to SYS1.LOGREC, and an SVC dump is requested.

System Programmer Response: The recovery routine for the CSECT issuing this reason code records information in the variable recording area (VRA). See the *MQSeries for OS/390 Problem Determination Guide* for information about problem determination procedures, the VRA, and dump analysis.

Problem Determination: Collect the following items, and contact your IBM support center:

- System dump

- Printout of SYS1.LOGREC

00E80061

Explanation: An internal error has occurred.

Module: CSQYSDLB

System Action: The MQSeries subsystem is terminated. A record is written to SYS1.LOGREC, and an SVC dump is requested.

System Programmer Response: The recovery routine for the CSECT issuing this reason code records information in the variable recording area (VRA). See the *MQSeries for OS/390 Problem Determination Guide* for information about problem determination procedures, the VRA, and dump analysis.

Problem Determination: Collect the following items, and contact your IBM support center:

- System dump
- Printout of SYS1.LOGREC

00E8006F

Explanation: An internal error has occurred.

Module: CSQYSDLB

System Action: The MQSeries subsystem is terminated. A record is written to SYS1.LOGREC, and an SVC dump is requested.

System Programmer Response: The recovery routine for the CSECT issuing this reason code records information in the variable recording area (VRA). See the *MQSeries for OS/390 Problem Determination Guide* for information about problem determination procedures, the VRA, and dump analysis.

Problem Determination: Collect the following items, and contact your IBM support center:

- System dump
- Printout of SYS1.LOGREC

00E8007F

Explanation: An internal error has occurred.

Module: CSQYSPCB

System Action: The MQSeries subsystem is terminated. A record is written to SYS1.LOGREC, and an SVC dump is requested.

System Programmer Response: The recovery routine for the CSECT issuing this reason code records information in the variable recording area (VRA). See the *MQSeries for OS/390 Problem Determination Guide* for information about problem determination procedures, the VRA, and dump analysis.

Problem Determination: Collect the following items, and contact your IBM support center:

- System dump
- Printout of SYS1.LOGREC

00E80081

Explanation: An invalid load module was detected.

Module: CSQYSIRM

System Action: The MQSeries subsystem is terminated. A record is written to SYS1.LOGREC, and an SVC dump is requested.

System Programmer Response: The recovery routine for the CSECT issuing this reason code records information in the variable recording area (VRA). See the *MQSeries for OS/390 Problem Determination Guide* for information about problem determination procedures, the VRA, and dump analysis.

00E80084 • 00E800B1

Problem Determination: Check that the installation process was successful.

Register 9 contains the address of an 8-byte field that contains the name of the module in error.

If you are unable to resolve the problem, collect the following items, and contact your IBM support center:

- System dump
- Printout of SYS1.LOGREC

00E80084

Explanation: A resource manager provided notification of an error during subsystem startup notification processing.

Module: CSQYSIRM

System Action: The MQSeries subsystem is terminated. A record is written to SYS1.LOGREC, and an SVC dump is requested.

System Programmer Response: Look for error messages indicating the cause of the problem.

Problem Determination: The recovery routine for the CSECT issuing this reason code records information in the variable recording area (VRA).

Register 9 contains the address of a 4-byte field that contains the RMID of the resource manager that requested MQSeries subsystem termination. See the *MQSeries for OS/390 Problem Determination Guide* for information about problem determination procedures, the VRA, and dump analysis.

If you are unable to solve the problem, collect the following items, and contact your IBM support center:

- System dump
- Printout of SYS1.LOGREC
- Initialization procedure
- System parameter load module
- Contents of the BSDS
- GTF trace

00E8008F

Explanation: An internal error has occurred.

Module: CSQYSIRM

System Action: The MQSeries subsystem is terminated. A record is written to SYS1.LOGREC, and an SVC dump is requested.

System Programmer Response: The recovery routine for the CSECT issuing this reason code records information in the variable recording area (VRA). See the *MQSeries for OS/390 Problem Determination Guide* for information about problem determination procedures, the VRA, and dump analysis.

Problem Determination: Collect the following items, and contact your IBM support center:

- System dump
- Printout of SYS1.LOGREC

00E80091

Explanation: An internal error has occurred.

Module: CSQYSTOP

System Action: The MQSeries subsystem is terminated. A record is written to SYS1.LOGREC, and an SVC dump is requested.

System Programmer Response: The recovery routine for the CSECT issuing this reason code records information in the variable recording area (VRA). See the *MQSeries for OS/390 Problem*

Determination Guide for information about problem determination procedures, the VRA, and dump analysis.

Problem Determination: Collect the following items, and contact your IBM support center:

- System dump
- Printout of SYS1.LOGREC

00E8009F

Explanation: An internal error has occurred.

Module: CSQYSTOP

System Action: The MQSeries subsystem is terminated. A record is written to SYS1.LOGREC, and an SVC dump is requested.

System Programmer Response: The recovery routine for the CSECT issuing this reason code records information in the variable recording area (VRA). See the *MQSeries for OS/390 Problem Determination Guide* for information about problem determination procedures, the VRA, and dump analysis.

Problem Determination: Collect the following items, and contact your IBM support center:

- System dump
- Printout of SYS1.LOGREC

00E800AF

Explanation: An internal error has occurred.

Module: CSQYSTRM

System Action: The MQSeries subsystem is terminated. A record is written to SYS1.LOGREC, and an SVC dump is requested.

System Programmer Response: The recovery routine for the CSECT issuing this reason code records information in the variable recording area (VRA). See the *MQSeries for OS/390 Problem Determination Guide* for information about problem determination procedures, the VRA, and dump analysis.

Problem Determination: Collect the following items, and contact your IBM support center:

- System dump
- Printout of SYS1.LOGREC

00E800B1

Explanation: An internal error has occurred.

Module: CSQYSCMD

System Action: The MQSeries subsystem is terminated. A record is written to SYS1.LOGREC, and an SVC dump is requested.

System Programmer Response: The recovery routine for the CSECT issuing this reason code records information in the variable recording area (VRA). See the *MQSeries for OS/390 Problem Determination Guide* for information about problem determination procedures, the VRA, and dump analysis.

Problem Determination: Collect the following items, and contact your IBM support center:

- System dump
- Printout of SYS1.LOGREC

00E800CE

Explanation: OS/390 was unable to establish an ESTAE.

Module: CSQYSTPW

System Action: The MQSeries subsystem is terminated. A record is written to SYS1.LOGREC, and an SVC dump is requested.

System Programmer Response: The recovery routine for the CSECT issuing this reason code records information in the variable recording area (VRA). See the *MQSeries for OS/390 Problem Determination Guide* for information about problem determination procedures, the VRA, and dump analysis.

Problem Determination: Register 9 contains the address of a 4-byte field that contains the ESTAE macro return code.

You might find the following items useful in resolving the problem:

- System dump
- Printout of SYS1.LOGREC

00E800D1

Explanation: An internal error has occurred.

Module: CSQYAGCS

System Action: The MQSeries subsystem is terminated. A record is written to SYS1.LOGREC, and an SVC dump is requested.

System Programmer Response: The recovery routine for the CSECT issuing this reason code records information in the variable recording area (VRA). See the *MQSeries for OS/390 Problem Determination Guide* for information about problem determination procedures, the VRA, and dump analysis.

Problem Determination: Collect the following items, and contact your IBM support center:

- System dump
- Printout of SYS1.LOGREC

00E800D2

Explanation: An error was encountered while attempting to obtain the OS/390 LOCAL lock.

Module: CSQYAGCS

System Action: The MQSeries subsystem is terminated. A record is written to SYS1.LOGREC, and an SVC dump is requested.

System Programmer Response: The recovery routine for the CSECT issuing this reason code records information in the variable recording area (VRA). See the *MQSeries for OS/390 Problem Determination Guide* for information about problem determination procedures, the VRA, and dump analysis.

Problem Determination: You might find the following items useful in resolving the problem:

- System dump
- Printout of SYS1.LOGREC

00E800D3

Explanation: An error was encountered while attempting to release the OS/390 LOCAL lock.

Module: CSQYAGCS

System Action: The MQSeries subsystem is terminated. A record is written to SYS1.LOGREC, and an SVC dump is requested.

System Programmer Response: The recovery routine for the CSECT issuing this reason code records information in the variable

recording area (VRA). See the *MQSeries for OS/390 Problem Determination Guide* for information about problem determination procedures, the VRA, and dump analysis.

Problem Determination: You might find the following items useful in resolving the problem:

- System dump
- Printout of SYS1.LOGREC

00E800DF

Explanation: An internal error has occurred.

Module: CSQYAGCS

System Action: The MQSeries subsystem is terminated. A record is written to SYS1.LOGREC, and an SVC dump is requested.

System Programmer Response: Obtain a print of SYS1.LOGREC. See the *MQSeries for OS/390 Problem Determination Guide* for information about problem determination procedures and dump analysis.

Problem Determination: Collect the following items, and contact your IBM support center:

- System dump
- Printout of SYS1.LOGREC

00E80100

Explanation: The MQSeries subsystem was abended because the MQSeries address space control task ESTAE was entered. This reason code is issued for all abend completion codes, except for the X'5C6' abend completion code.

Module: CSQYECTE

System Action: Termination of the MQSeries subsystem is initiated. A record is written to SYS1.LOGREC, and an SVC dump is requested.

System Programmer Response: The recovery routine for the CSECT issuing this reason code records information in the variable recording area (VRA). See the *MQSeries for OS/390 Problem Determination Guide* for information about problem determination procedures, the VRA, and dump analysis.

The MQSeries subsystem is unable to determine the cause of the error.

Problem Determination: The subcomponent that caused the error is unknown. This reason code might be returned if MQSeries is unable to find the system parameter load module you specified on the START QMGR command (the default name is CSQZPARM). Check that the module you specified is available to MQSeries.

This abend code is also issued if the MQSeries subsystem is canceled by the operator CANCEL command. If this is the case, determine why the subsystem was canceled.

You might find the following items useful in resolving the problem:

- System dump
- Printout of SYS1.LOGREC
- System parameter load module
- Contents of the BSDS
- GTF trace

00E8011D

Explanation: An internal error has occurred.

Module: CSQYEATE

System Action: Termination of MQSeries subsystem is initiated. A record is written to SYS1.LOGREC, and an SVC dump is requested.

System Programmer Response: The recovery routine for the CSECT issuing this reason code records information in the variable recording area (VRA). See the *MQSeries for OS/390 Problem Determination Guide* for information about problem determination procedures, the VRA, and dump analysis.

Problem Determination: Collect the following items, and contact your IBM support center:

- System dump
- Printout of SYS1.LOGREC

00E8011E

Explanation: The allied address space task primary ESTAE detected that OS/390 was unable to establish the secondary ESTAE.

Module: CSQYEATE

System Action: Abnormal termination of allied address space is continued. A record is written to SYS1.LOGREC, and an SVC dump is requested.

System Programmer Response: The recovery routine for the CSECT issuing this reason code records information in the variable recording area (VRA). See the *MQSeries for OS/390 Problem Determination Guide* for information about problem determination procedures, the VRA, and dump analysis.

Problem Determination: You might find the following items useful in resolving the problem:

- System dump
- Printout of SYS1.LOGREC

00E8011F

Explanation: The allied address space task primary ESTAE was entered without a subsystem diagnostic work area (SDWA) provided by OS/390 RTM.

Module: CSQYEATE

System Action: Abnormal termination of the allied address space is continued. A record is written to SYS1.LOGREC, and an SVC dump is requested.

System Programmer Response: The recovery routine for the CSECT issuing this reason code records information in the variable recording area (VRA). See the *MQSeries for OS/390 Problem Determination Guide* for information about problem determination procedures, the VRA, and dump analysis.

Problem Determination: You might find the following items useful in resolving the problem:

- System dump
- Printout of SYS1.LOGREC

00E8012D

Explanation: An internal error has occurred.

Module: CSQYEAT2

System Action: Abnormal termination of MQSeries subsystem is initiated. A record is written to SYS1.LOGREC, and an SVC dump is requested.

System Programmer Response: The recovery routine for the CSECT issuing this reason code records information in the variable recording area (VRA). See the *MQSeries for OS/390 Problem Determination Guide* for information about problem determination procedures, the VRA, and dump analysis.

Problem Determination: Collect the following items, and contact your IBM support center:

- System dump
- Printout of SYS1.LOGREC

00E8012F

Explanation: The allied address space task secondary ESTAE was entered without a subsystem diagnostic work area (SDWA) provided by OS/390.

Module: CSQYEAT2

System Action: Continue with the abnormal termination of the allied address space. A record is written to SYS1.LOGREC, and an SVC dump is requested.

System Programmer Response: The recovery routine for the CSECT issuing this reason code records information in the variable recording area (VRA). See the *MQSeries for OS/390 Problem Determination Guide* for information about problem determination procedures, the VRA, and dump analysis.

Problem Determination: You might find the following items useful in resolving the problem:

- System dump
- Printout of SYS1.LOGREC

00E80130

Explanation: The FRR that protects the START QMGR/STOP QMGR command processor function was entered while a valid STOP QMGR command was being processed.

Module: CSQYESCF

System Action: The MQSeries subsystem is terminated. A record is written to SYS1.LOGREC, and an SVC dump is requested.

System Programmer Response: The recovery routine for the CSECT issuing this reason code records information in the variable recording area (VRA). See the *MQSeries for OS/390 Problem Determination Guide* for information about problem determination procedures, the VRA, and dump analysis.

Problem Determination: You might find the following items useful in resolving the problem:

- System dump
- Printout of SYS1.LOGREC

00E80140

Explanation: An internal error has occurred.

Module: CSQYESWE

System Action: The MQSeries subsystem is terminated. A record is written to SYS1.LOGREC, and an SVC dump is requested.

System Programmer Response: The recovery routine for the CSECT issuing this reason code records information in the variable recording area (VRA). See the *MQSeries for OS/390 Problem Determination Guide* for information about problem determination procedures, the VRA, and dump analysis.

Problem Determination: Collect the following items, and contact your IBM support center:

- System dump
- Printout of SYS1.LOGREC

00E80150

Explanation: An invalid module was detected.

Module: CSQYEMCL

System Action: The MQSeries subsystem is terminated. A record is written to SYS1.LOGREC, and an SVC dump is requested.

System Programmer Response: The recovery routine for the CSECT issuing this reason code records information in the variable recording area (VRA). See the *MQSeries for OS/390 Problem Determination Guide* for information about problem determination procedures, the VRA, and dump analysis.

Problem Determination: Register 9 contains the address of an 8-byte field that holds the name of the load module in error.

Check that the installation process was successful. If you are unable to resolve the problem, collect the following items, and contact your IBM support center:

- System dump
- Printout of SYS1.LOGREC

00E80151

Explanation: An invalid module was detected.

Module: CSQYEMCL

System Action: The MQSeries subsystem is terminated. A record is written to SYS1.LOGREC, and an SVC dump is requested.

System Programmer Response: The recovery routine for the CSECT issuing this reason code records information in the variable recording area (VRA). See the *MQSeries for OS/390 Problem Determination Guide* for information about problem determination procedures, the VRA, and dump analysis.

Problem Determination: Register 9 contains the address of a 12-byte field that contains the following diagnostic information:

- Bytes 1 through 8 contain the name of the load module that contains the initialization entry point list with the invalid entry

Check that the installation process was successful. If you are unable to resolve the problem, collect the following items, and contact your IBM support center:

- System dump
- Printout of SYS1.LOGREC

00E8015F

Explanation: An internal error has occurred.

Module: CSQYEMCL

System Action: The MQSeries subsystem is terminated. A record is written to SYS1.LOGREC, and an SVC dump is requested.

System Programmer Response: The recovery routine for the CSECT issuing this reason code records information in the variable recording area (VRA). See the *MQSeries for OS/390 Problem Determination Guide* for information about problem determination procedures, the VRA, and dump analysis.

Problem Determination: Collect the following items, and contact your IBM support center:

- System dump
- Printout of SYS1.LOGREC

00E80160

Explanation: During MQSeries startup processing, the Initialization Procedures subcomponent detected a load module with an invalid AMODE or RMODE attribute. The abend is preceded by message CSQY006E or CSQY007E.

Module: CSQYASCP, CSQYASTR, CSQYSIRM, CSQYSTRT

System Action: Subsystem startup is terminated.

Operator Response: See message CSQY006E or message CSQY007E.

System Programmer Response: The recovery routine for the CSECT issuing this reason code records information in the variable recording area (VRA). See the *MQSeries for OS/390 Problem Determination Guide* for information about the VRA.

Problem Determination: See message CSQY006E or message CSQY007E.

00E80161

Explanation: During MQSeries subsystem startup processing, the Initialization Procedures subcomponent detected a load module that was not at the same version of MQSeries as the subsystem being started.

Module: CSQYASCP

System Action: Subsystem startup is terminated.

Operator Response: See message CSQY010E.

System Programmer Response: The recovery routine for the CSECT issuing this reason code records information in the variable recording area (VRA). See the *MQSeries for OS/390 Problem Determination Guide* for information about the VRA.

Problem Determination: See message CSQY010E.

00E80170

Explanation: A facility was requested by MQSeries that was not loaded or started at the time MQSeries started. This is not an error in CSQYNFAC. If an error exists, it might be in the calling CSECT.

Module: CSQYNFAC

System Action: This is determined by the caller of CSQYNFAC.

System Programmer Response: Collect the following items, and contact your IBM support center:

- Console output
- System dump
- Printout of SYS1.LOGREC
- System parameter load module

System parameter manager codes (X'E9')

00E90101

Explanation: An internal error has occurred while trying to open MQSeries resources.

Module: This abend reason code is issued by the module identified in the SYS1.LOGREC entry for this abend code.

System Action: A record is written to SYS1.LOGREC, and an SVC dump is requested.

System Programmer Response: Obtain a print of SYS1.LOGREC and the SVC dump.

Problem Determination: Check that the system parameter load module you specified on the START QMGR command (the default name is CSQZPARM) is available for use by MQSeries. If it is, collect the following items, and contact your IBM support center:

- Console output
- SVC dump
- Printout of SYS1.LOGREC
- Initialization procedure
- System parameter load module
- SYSPRINT output

00E90201

Explanation: An internal error has occurred while attempting to open MQSeries resources.

Module: CSQZTGET

System Action: A record is written to SYS1.LOGREC, and an SVC dump is requested.

System Programmer Response: Collect the following items, and contact your IBM support center:

- Console output
- SVC dump
- Printout of SYS1.LOGREC
- Initialization procedure
- System parameter load module
- SYSPRINT output

00E90202

Explanation: An internal error has occurred while attempting to open MQSeries resources. This reason code might be issued when a customized system parameter load module specified on the START QMGR command (the default name is CSQZPARM) has been built incorrectly.

Module: CSQZTGET

System Action: A record is written to SYS1.LOGREC, and an SVC dump is requested.

System Programmer Response: Obtain a print of SYS1.LOGREC and the SVC dump. This abend occurs when incorrect control information is found for any one of a number of MQSeries internal resources. One customer tailorable resource is the system parameter load module that you specified on the START QMGR

command (the default name is CSQZPARM). Check that the system parameter load module that you specified is available to MQSeries, and that it was linked correctly. (See the *MQSeries for OS/390 System Management Guide* for information about this, and see CSQ4ZPRM for sample link-edit JCL.)

Problem Determination: You might find the following items useful in resolving the problem:

- Console output
- SVC dump
- Printout of SYS1.LOGREC
- Initialization procedure
- System parameter load module
- SYSPRINT output

See the *MQSeries for OS/390 Problem Determination Guide* for information about using dumps for problem determination.

00E90203

Explanation: An internal error has occurred while attempting to verify descriptor control information in MQSeries resources.

Module: CSQZTGET

System Action: A record is written to SYS1.LOGREC, and an SVC dump is requested.

System Programmer Response: Obtain a print of SYS1.LOGREC and the SVC dump.

Problem Determination: Collect the following items, and contact your IBM support center:

- Console output
- SVC dump
- Printout of SYS1.LOGREC
- Initialization procedure
- System parameter load module
- SYSPRINT output

00E90301

Explanation: An internal error has occurred while attempting to close MQSeries resources.

Module: This abend reason code is issued by the module identified in the SYS1.LOGREC entry for this abend code.

System Action: A record is written to SYS1.LOGREC, and an SVC dump is requested.

System Programmer Response: Obtain a print of SYS1.LOGREC and the SVC dump.

Problem Determination: Collect the following items, and contact your IBM support center:

- Console output
- SVC dump
- Printout of SYS1.LOGREC
- Initialization procedure
- System parameter load module
- SYSPRINT output

Service facilities codes (X'F1')

The CSQ1LOGP service aid can abend with a user abend code of X'099'. You can find the corresponding abend reason code in register 15 at the time of error.

00F10100

Explanation: An internal error has been detected in the CSQ1LOGP service aid.

System Programmer Response: Contact your IBM support center.

00F10101

Explanation: The stand-alone log read function returned an invalid RBA. See the explanation for message CSQ1211E.

Operator Response: If you determine that the data set is a log data set and that it is not damaged, contact your IBM support center.

MQSeries-IMS bridge codes (X'F2')

00F20001

Explanation: An internal error has occurred.

Module: CSQ2RELS

System Action: The current execution unit terminates with abend code X'5C6', and a dump is produced.

System Programmer Response: Contact your IBM support center.

00F20002

Explanation: An internal error has occurred.

Module: CSQ2GTEA

System Action: The current execution unit terminates with abend code X'5C6', and a dump is produced.

System Programmer Response: Contact your IBM support center.

00F20003

Explanation: An internal error has occurred.

Module: CSQ2MTEA

System Action: The current execution unit terminates with abend code X'5C6', and a dump is produced.

System Programmer Response: Contact your IBM support center.

00F20004

Explanation: An internal error has occurred.

Module: CSQ2STEA

System Action: The current execution unit terminates with abend code X'5C6', and a dump is produced.

System Programmer Response: Contact your IBM support center.

00F20005

Explanation: An internal error has occurred.

Module: CSQ2QTEA

System Action: The current execution unit terminates with abend code X'5C6', and a dump is produced.

System Programmer Response: Contact your IBM support center.

00F20006

Explanation: An internal error has occurred.

Module: CSQ2TTEA

System Action: The current execution unit terminates with abend code X'5C6', and a dump is produced.

System Programmer Response: Contact your IBM support center.

00F20007

Explanation: An internal error has occurred.

Module: CSQ2GTEG

System Action: The current execution unit terminates with abend code X'5C6', and a dump is produced.

System Programmer Response: Contact your IBM support center.

00F20008

Explanation: An internal error has occurred.

Module: CSQ2MTEG

System Action: The current execution unit terminates with abend code X'5C6', and a dump is produced.

System Programmer Response: Contact your IBM support center.

00F20009

Explanation: An internal error has occurred.

Module: CSQ2STEG

System Action: The current execution unit terminates with abend code X'5C6', and a dump is produced.

System Programmer Response: Contact your IBM support center.

00F2000A

Explanation: An internal error has occurred.

Module: CSQ2QTEG

System Action: The current execution unit terminates with abend code X'5C6', and a dump is produced.

System Programmer Response: Contact your IBM support center.

00F2000B

Explanation: An internal error has occurred.

Module: CSQ2TTEG

System Action: The current execution unit terminates with abend code X'5C6', and a dump is produced.

System Programmer Response: Contact your IBM support center.

00F2000C

Explanation: An internal error has occurred.

Module: CSQ2RELS, CSQ2STOP

System Action: The current execution unit terminates with abend code X'5C6', and a dump is produced.

System Programmer Response: Contact your IBM support center.

00F2000D

Explanation: An internal error has occurred.

Module: CSQ2RELS, CSQ2STOP

System Action: The current execution unit terminates with abend code X'5C6', and a dump is produced.

System Programmer Response: Contact your IBM support center.

00F2000E

Explanation: An internal error has occurred.

Module: CSQ2RELS, CSQ2STOP

System Action: The current execution unit terminates with abend code X'5C6', and a dump is produced.

System Programmer Response: Contact your IBM support center.

00F2000F

Explanation: An internal error has occurred.

Module: CSQ2CTL0

System Action: The current execution unit terminates with abend code X'5C6', and a dump is produced.

System Programmer Response: Contact your IBM support center.

00F20010

Explanation: An internal error has occurred.

Module: CSQ2JOIN

System Action: The current execution unit terminates with abend code X'5C6', and a dump is produced.

System Programmer Response: Contact your IBM support center.

00F20011

Explanation: An internal error has occurred.

Module: CSQ2JOIN

System Action: The current execution unit terminates with abend code X'5C6', and a dump is produced.

System Programmer Response: Contact your IBM support center.

00F20012

Explanation: The MQSeries-IMS bridge received a bad return code from IXCQUERY macro.

Module: CSQ2JOIN

System Action: The current execution unit terminates with abend code X'5C6', and a dump is produced.

System Programmer Response: Registers 3 and 4 contain the return and reason codes from XCF. Refer to the *MVS Programming: Sysplex Services Reference* for information about these codes.

00F20013

Explanation: The MQSeries-IMS bridge received a bad return from IXCJOIN macro.

Module: CSQ2JOIN

System Action: The current execution unit terminates with abend code X'5C6', and a dump is produced.

System Programmer Response: Registers 3 and 4 contain the return and reason codes from XCF. Refer to the *MVS Programming: Sysplex Services Reference* for information about these codes.

00F20014

Explanation: The MQSeries-IMS bridge received a bad return from IXCCREAT macro.

Module: CSQ2JOIN

System Action: The current execution unit terminates with abend code X'5C6', and a dump is produced.

System Programmer Response: Registers 3 and 4 contain the return and reason codes from XCF. Refer to the *MVS Programming: Sysplex Services Reference* for information about these codes.

00F20015

Explanation: An internal error has occurred.

Module: CSQ2LEAV

System Action: The current execution unit terminates with abend code X'5C6', and a dump is produced.

System Programmer Response: Contact your IBM support center.

00F20016

Explanation: An internal error has occurred.

Module: CSQ2LEAV

System Action: The current execution unit terminates with abend code X'5C6', and a dump is produced.

System Programmer Response: Contact your IBM support center.

00F20017

Explanation: The MQSeries-IMS bridge received a bad return from IXCLEAVE macro.

Module: CSQ2LEAV

System Action: The current execution unit terminates with abend code X'5C6', and a dump is produced.

System Programmer Response: Registers 3 and 4 contain the return and reason codes from XCF. Refer to the *MVS Programming: Sysplex Services Reference* for information about these codes.

00F20018

Explanation: The MQSeries-IMS bridge received a bad return from IXCDELETE macro.

Module: CSQ2LEAV

System Action: The current execution unit terminates with abend code X'5C6', and a dump is produced.

System Programmer Response: Registers 3 and 4 contain the return and reason codes from XCF. Refer to the *MVS Programming: Sysplex Services Reference* for information about these codes. Contact your IBM support center.

00F20019

Explanation: An internal error has occurred.

Module: CSQ2CTL0

System Action: The current execution unit terminates with abend code X'5C6', and a dump is produced.

System Programmer Response: Contact your IBM support center.

00F2001A

Explanation: An internal error has occurred.

Module: CSQ2CTL0

System Action: The current execution unit terminates with abend code X'5C6', and a dump is produced.

System Programmer Response: Contact your IBM support center.

00F2001B**Explanation:** An internal error has occurred.**Module:** CSQ2POST**System Action:** The current execution unit terminates with abend code X'5C6', and a dump is produced.**System Programmer Response:** Contact your IBM support center.

00F2001C**Explanation:** An internal error has occurred.**Module:** CSQ2CTL0**System Action:** The current execution unit terminates with abend code X'5C6', and a dump is produced.**System Programmer Response:** Contact your IBM support center.

00F2001D**Explanation:** An internal error has occurred.**Module:** CSQ2CTL0**System Action:** The current execution unit terminates with abend code X'5C6', and a dump is produced.**System Programmer Response:** Contact your IBM support center.

00F2001E**Explanation:** An internal error has occurred.**Module:** CSQ2CTL0**System Action:** The current execution unit terminates with abend code X'5C6', and a dump is produced.**System Programmer Response:** Contact your IBM support center.

00F2001F**Explanation:** An internal error has occurred.**Module:** CSQ2MEM0**System Action:** The current execution unit terminates with abend code X'5C6', and a dump is produced.**System Programmer Response:** Contact your IBM support center.

00F20020**Explanation:** An internal error has occurred.**Module:** CSQ2MEM0**System Action:** The current execution unit terminates with abend code X'5C6', and a dump is produced.**System Programmer Response:** Contact your IBM support center.

00F20021**Explanation:** An internal error has occurred.**Module:** CSQ2MEM0**System Action:** The current execution unit terminates with abend code X'5C6', and a dump is produced.**System Programmer Response:** Contact your IBM support center.

00F20022**Explanation:** An internal error has occurred.**Module:** CSQ2MEM0**System Action:** The current execution unit terminates with abend code X'5C6', and a dump is produced.**System Programmer Response:** Contact your IBM support center.

00F20023**Explanation:** The MQSeries-IMS bridge received a bad return code from IXCMSSGO.**Module:** CSQ2MEM0**System Action:** The current execution unit terminates with abend code X'5C6', and a dump is produced.**System Programmer Response:** Registers 2 and 3 contain the return and reason codes from XCF. Refer to the *MVS Programming: Sysplex Services Reference* for information about these codes.

00F20024**Explanation:** An internal error has occurred.**Module:** CSQ2MEM0**System Action:** The current execution unit terminates with abend code X'5C6', and a dump is produced.**System Programmer Response:** Contact your IBM support center.

00F20026**Explanation:** An internal error has occurred.**Module:** CSQ2QCP0**System Action:** The current execution unit terminates with abend code X'5C6', and a dump is produced.**System Programmer Response:** Contact your IBM support center.

00F20027**Explanation:** An internal error has occurred.**Module:** CSQ2QCP0**System Action:** The current execution unit terminates with abend code X'5C6', and a dump is produced.**System Programmer Response:** Contact your IBM support center.

00F20029**Explanation:** An internal error has occurred.**Module:** CSQ2MTOO**System Action:** The current execution unit terminates with abend code X'5C6', and a dump is produced.**System Programmer Response:** Contact your IBM support center.

00F2002A**Explanation:** An internal error has occurred.**Module:** CSQ2MTOO**System Action:** The current execution unit terminates with abend code X'5C6', and a dump is produced.**System Programmer Response:** Contact your IBM support center.

00F2002B

Explanation: An internal error has occurred.

Module: CSQ2OTOM

System Action: The current execution unit terminates with abend code X'5C6', and a dump is produced.

System Programmer Response: Contact your IBM support center.

00F2002C

Explanation: The MQSeries-IMS bridge received a bad return code from IXCMMSGO.

Module: CSQ2QCP0

System Action: The current execution unit terminates with abend code X'5C6', and a dump is produced.

System Programmer Response: Registers 2 and 3 contain the return and reason codes from XCF. Refer to the *MVS Programming: Sysplex Services Reference* for information about these codes.

00F2002D

Explanation: An internal error has occurred.

Module: CSQ2QCP0

System Action: The current execution unit terminates with abend code X'5C6', and a dump is produced.

System Programmer Response: Contact your IBM support center.

00F2002E

Explanation: An internal error has occurred.

Module: CSQ2QCP1

System Action: The current execution unit terminates with abend code X'5C6', and a dump is produced.

System Programmer Response: Contact your IBM support center.

00F20030

Explanation: The MQSeries-IMS bridge received a bad return code from IXCMMSGO.

Module: CSQ2QCP1

System Action: The current execution unit terminates with abend code X'5C6', and a dump is produced.

System Programmer Response: Registers 2 and 3 contain the return and reason codes from XCF. Refer to the *MVS Programming: Sysplex Services Reference* for information about these codes.

00F20031

Explanation: An internal error has occurred.

Module: CSQ2QCP1

System Action: The current execution unit terminates with abend code X'5C6', and a dump is produced.

System Programmer Response: Contact your IBM support center.

00F20032

Explanation: The MQSeries-IMS bridge received a bad return code from IXCMMSGO.

Module: CSQ2CTL0

System Action: The current execution unit terminates with abend code X'5C6', and a dump is produced.

System Programmer Response: Registers 2 and 3 contain the return and reason codes from XCF. Refer to the *MVS Programming: Sysplex Services Reference* for information about these codes.

00F20035

Explanation: An internal error has occurred.

Module: CSQ2QCP0

System Action: The current execution unit terminates with abend code X'5C6', and a dump is produced.

System Programmer Response: Contact your IBM support center.

00F20036

Explanation: An internal error has occurred.

Module: CSQ2MEM0

System Action: The current execution unit terminates with abend code X'5C6', and a dump is produced.

System Programmer Response: Contact your IBM support center.

00F20037

Explanation: An internal error has occurred.

Module: CSQ2MEM0

System Action: The current execution unit terminates with abend code X'5C6', and a dump is produced.

System Programmer Response: Contact your IBM support center.

00F20038

Explanation: An internal error has occurred.

Module: CSQ2MCEA

System Action: The current execution unit terminates with abend code X'5C6', and a dump is produced.

System Programmer Response: Contact your IBM support center.

00F20039

Explanation: An internal error has occurred.

Module: CSQ2MCED

System Action: The current execution unit terminates with abend code X'5C6', and a dump is produced.

System Programmer Response: Contact your IBM support center.

00F2003A

Explanation: An internal error has occurred.

Module: CSQ2MCED

System Action: The current execution unit terminates with abend code X'5C6', and a dump is produced.

System Programmer Response: Contact your IBM support center.

00F2003B**Explanation:** An internal error has occurred.**Module:** CSQ2MTOO**System Action:** The current execution unit terminates with abend code X'5C6', and a dump is produced.**System Programmer Response:** Contact your IBM support center.

00F2003D**Explanation:** An internal error has occurred.**Module:** CSQ2QCP0**System Action:** The current execution unit terminates with abend code X'5C6', and a dump is produced.**System Programmer Response:** Contact your IBM support center.

00F2003E**Explanation:** An internal error has occurred.**Module:** CSQ2QCP0**System Action:** The current execution unit terminates with abend code X'5C6', and a dump is produced.**System Programmer Response:** Contact your IBM support center.

00F2003F**Explanation:** An internal error has occurred.**Module:** CSQ2QCP0**System Action:** The current execution unit terminates with abend code X'5C6', and a dump is produced.**System Programmer Response:** Contact your IBM support center.

00F20040**Explanation:** An internal error has occurred.**Module:** CSQ2QCP0**System Action:** The current execution unit terminates with abend code X'5C6', and a dump is produced.**System Programmer Response:** Contact your IBM support center.

00F20041**Explanation:** The MQSeries-IMS bridge received an MQOPEN error.**Module:** CSQ2QCP0**System Action:** The current execution unit terminates with abend code X'5C6', and a dump is produced.**System Programmer Response:** Contact your IBM support center.

00F20042**Explanation:** The MQSeries-IMS bridge received an MQCLOSE error.**Module:** CSQ2QCP0**System Action:** The current execution unit terminates with abend code X'5C6', and a dump is produced.**System Programmer Response:** Contact your IBM support center.

00F20043**Explanation:** The MQSeries-IMS bridge received an MQGET error.**Module:** CSQ2QCP0**System Action:** The current execution unit terminates with abend code X'5C6', and a dump is produced.**System Programmer Response:** Contact your IBM support center.

00F20044**Explanation:** The MQSeries-IMS bridge received an MQPUT error.**Module:** CSQ2QCP0**System Action:** The current execution unit terminates with abend code X'5C6', and a dump is produced.**System Programmer Response:** Contact your IBM support center.

00F20045**Explanation:** The MQSeries-IMS bridge received an MQOPEN error.**Module:** CSQ2QCP1**System Action:** The current execution unit terminates with abend code X'5C6', and a dump is produced.**System Programmer Response:** Contact your IBM support center.

00F20046**Explanation:** The MQSeries-IMS bridge received an MQCLOSE error.**Module:** CSQ2QCP1**System Action:** The current execution unit terminates with abend code X'5C6', and a dump is produced.**System Programmer Response:** Contact your IBM support center.

00F20047**Explanation:** The MQSeries-IMS bridge received an MQGET error.**Module:** CSQ2QCP1**System Action:** The current execution unit terminates with abend code X'5C6', and a dump is produced.**System Programmer Response:** Contact your IBM support center.

00F20048**Explanation:** The MQSeries-IMS bridge received an MQPUT error.**Module:** CSQ2QCP1**System Action:** The current execution unit terminates with abend code X'5C6', and a dump is produced.**System Programmer Response:** Contact your IBM support center.

00F20049**Explanation:** The MQSeries-IMS bridge received an MQPUT1 error.**Module:** CSQ2QCP1**System Action:** The current execution unit terminates with abend code X'5C6', and a dump is produced.**System Programmer Response:** Contact your IBM support center.

00F2004A

Explanation: An internal error has occurred.

Module: CSQ2QCP1

System Action: The current execution unit terminates with abend code X'5C6', and a dump is produced.

System Programmer Response: Contact your IBM support center.

00F2004B

Explanation: An internal error has occurred.

Module: CSQ2QCP1

System Action: The current execution unit terminates with abend code X'5C6', and a dump is produced.

System Programmer Response: Contact your IBM support center.

00F2004C

Explanation: An internal error has occurred.

Module: CSQ2GDLQ

System Action: The current execution unit terminates with abend code X'5C6', and a dump is produced.

System Programmer Response: Contact your IBM support center.

00F2004D

Explanation: An internal error has occurred.

Module: CSQ2GQMA

System Action: The current execution unit terminates with abend code X'5C6', and a dump is produced.

System Programmer Response: Contact your IBM support center.

00F2004E

Explanation: An internal error has occurred.

Module: CSQ2IMEA

System Action: The current execution unit terminates with abend code X'5C6', and a dump is produced.

System Programmer Response: Contact your IBM support center.

00F2004F

Explanation: An internal error has occurred.

Module: CSQ2QCP1

System Action: The current execution unit terminates with abend code X'5C6', and a dump is produced.

System Programmer Response: Contact your IBM support center.

00F20050

Explanation: An internal error has occurred.

Module: CSQ2QCP0

System Action: The current execution unit terminates with abend code X'5C6', and a dump is produced.

System Programmer Response: Contact your IBM support center.

00F20051

Explanation: An internal error has occurred.

Module: CSQ2QCP0

System Action: The current execution unit terminates with abend code X'5C6', and a dump is produced.

System Programmer Response: Contact your IBM support center.

00F20052

Explanation: An internal error has occurred.

Module: CSQ2QCP1

System Action: The current execution unit terminates with abend code X'5C6', and a dump is produced.

System Programmer Response: Contact your IBM support center.

00F20053

Explanation: An internal error has occurred.

Module: CSQ2QCP1

System Action: The current execution unit terminates with abend code X'5C6', and a dump is produced.

System Programmer Response: Contact your IBM support center.

00F20054

Explanation: An internal error has occurred.

Module: CSQ2ACP0, CSQ2CTL0, CSQ2MFM0, CSQ2MTOO, CSQ2QCP1

System Action: The current execution unit terminates with abend code X'5C6', and a dump is produced.

System Programmer Response: Contact your IBM support center.

00F20055

Explanation: An internal error has occurred.

Module: CSQ2MTOO

System Action: The current execution unit terminates with abend code X'5C6', and a dump is produced.

System Programmer Response: Contact your IBM support center.

00F20056

Explanation: An internal error has occurred.

Module: CSQ2MTOO

System Action: The current execution unit terminates with abend code X'5C6', and a dump is produced.

System Programmer Response: Contact your IBM support center.

00F20057

Explanation: An internal error has occurred.

Module: CSQ2TAP

System Action: The current execution unit terminates with abend code X'5C6', and a dump is produced.

System Programmer Response: Contact your IBM support center.

00F20058

Explanation: The MQSeries-IMS bridge received an MQPUT1 error.

Module: CSQ2QCP0

System Action: The current execution unit terminates with abend code X'5C6', and a dump is produced.

System Programmer Response: Contact your IBM support center.

00F20059

Explanation: The MQSeries-IMS bridge received a severe sense code in an IMS negative response.

Module: CSQ2QCP0

System Action: MQSeries terminates with abend code X'5C6', and a dump is produced.

System Programmer Response: The IMS sense code is given in message CSQ2003I.

00F20069

Explanation: The MQSeries-IMS bridge received an error when trying to resolve an in-doubt unit of recovery.

Module: CSQ2RS01

System Action: The current execution unit terminates with abend code X'5C6', and a dump is produced.

System Programmer Response: Contact your IBM support center.

Subsystem support codes (X'F3')

Many of the following abend reason codes are returned in register 15 at the time of an X'0Cx' system abend and not as the reason code for an X'5C6' abend. This is indicated in the descriptions that follow.

00F30003

Explanation: An internal error has occurred.

Module: CSQAPRH, CSQAPRH0, CSQAPRHX, CSQ3CL00, CSQ3CL0X, CSQ3ID00, CSQ3ID30

System Action: The request is not processed. A dump is taken, and an entry is written to SYS1.LOGREC.

System Programmer Response: Collect the following items, and contact your IBM support center:

- System Dump
- Printout of SYS1.LOGREC

00F30004

Explanation: An internal error has occurred.

Module: CSQAPRH, CSQAPRH0, CSQAPRHX, CSQ3CL00, CSQ3CL0X, CSQ3CT30, CSQ3CT80, CSQ3EXT0, CSQ3ID00, CSQ3ID30, CSQ3ID80, CSQ3PR00, CSQ3RIA0, CSQ3TR00

System Action: The request is not processed. A dump is taken, and an entry is written to SYS1.LOGREC.

System Programmer Response: Collect the following items, and contact your IBM support center:

- Printout of SYS1.LOGREC
- System dump

00F30005

Explanation: An internal error has occurred.

Module: CSQ3EXT0

System Action: The request is not processed. A dump is taken, and an entry is written in SYS1.LOGREC.

System Programmer Response: Collect the following items, and contact your IBM support center:

- Printout of SYS1.LOGREC
- System dump

00F30006

Explanation: An internal error has occurred.

Module: CSQ3ID00

System Action: The request is not processed.

System Programmer Response: Collect the following items, and contact your IBM support center:

- Console output
- System dump

00F30007

Explanation: An internal error has occurred.

Module: CSQ3CL00, CSQ3CL0X, CSQ3ID30

System Action: The request is not processed. A dump is taken, and an entry is written in SYS1.LOGREC.

System Programmer Response: Collect the following items, and contact your IBM support center:

- Printout of SYS1.LOGREC
- System dump

00F30008

Explanation: An internal error has occurred.

Module: CSQ3CL00, CSQ3CL0X

System Action: The request is not processed. A dump is taken, and an entry is written in SYS1.LOGREC.

System Programmer Response: Collect the following items, and contact your IBM support center:

- Printout of SYS1.LOGREC
- System dump

00F30014

Explanation: An internal error has occurred.

Module: CSQ3AB00, CSQ3CM00, CSQ3CT80, CSQ3PR00, CSQ3SY00

System Action: The requester's task is abended with code X'5C6'. A dump is taken, and an entry is written in SYS1.LOGREC.

System Programmer Response: Collect the following items, and contact your IBM support center:

- Console output
- Printout of SYS1.LOGREC
- System dump

00F30027

Explanation: An internal error has occurred.

Module: CSQ3CT30

System Action: The request is not processed. A dump is taken, and an entry is written in SYS1.LOGREC.

System Programmer Response: Collect the following items, and contact your IBM support center:

- Printout of SYS1.LOGREC
- System dump

00F30030

Explanation: An internal error has occurred.

Module: CSQ3RIA0, CSQ3RIM0

System Action: The request is not processed. A dump is taken, and an entry is written in SYS1.LOGREC.

System Programmer Response: Collect the following items, and contact your IBM support center:

- System dump
- Console output

00F30032 • 00F30071

- Printout of SYS1.LOGREC

00F30032

Explanation: An internal error has occurred.

Module: CSQ3CT30

System Action: The request is not processed. A dump is taken, and an entry is written in SYS1.LOGREC.

System Programmer Response: Collect the following items, and contact your IBM support center:

- Printout of SYS1.LOGREC
- System dump

00F30033

Explanation: An internal error has occurred.

Module: CSQ3CT30

System Action: The request is not processed. A dump is taken, and an entry is written in SYS1.LOGREC.

System Programmer Response: Collect the following items, and contact your IBM support center:

- Printout of SYS1.LOGREC
- System dump

00F30038

Explanation: An internal error has occurred.

Module: CSQ3CT30

System Action: The request is not processed. A dump is taken, and an entry is written in SYS1.LOGREC.

System Programmer Response: Collect the following items, and contact your IBM support center:

- Printout of SYS1.LOGREC
- System dump

00F30042

Explanation: An internal error has occurred.

Module: CSQ3ID30

System Action: A dump is taken, and an entry is written in SYS1.LOGREC.

System Programmer Response: Collect the following items, and contact your IBM support center:

- System dump
- Console output
- Printout of SYS1.LOGREC

00F30048

Explanation: An internal error has occurred.

Module: CSQ3CT30, CSQ3PR00

System Action: The request is not processed. A dump is taken, and an entry is written in SYS1.LOGREC.

System Programmer Response: Collect the following items, and contact your IBM support center:

- Console log
- Printout of SYS1.LOGREC

- System dump

00F30053

Explanation: An internal error has occurred.

Module: CSQ3CT80, CSQ3ID80

System Action: The request is not processed. A dump is taken, and an entry is written in SYS1.LOGREC.

System Programmer Response: Collect the following items, and contact your IBM support center:

- Printout of SYS1.LOGREC
- System dump

00F30067

Explanation: An internal error has occurred.

Module: CSQ3AUCN

System Action: The connection request is not processed. A dump is taken, and an entry is written in SYS1.LOGREC.

System Programmer Response: Collect the following items, and contact your IBM support center:

- System dump
- Printout of SYS1.LOGREC

00F30070

Explanation: Functional recovery for the connection processing could not be established. The executing module could not establish its ESTAE. This can occur if the current address space has insufficient storage. This might lead to an abnormal termination of the MQSeries subsystem.

Module: CSQ3AUCN

System Action: The connection request is not processed. The caller is abended with code X'5C6' and this reason code.

Operator Response: Notify the system programmer and restart MQSeries if necessary. A dump should be taken for problem analysis.

System Programmer Response: Examine the usage and free areas in the LSQA portion of the current address space private area. If necessary, have the size of the private areas expanded.

Problem Determination: The caller should produce a SYS1.LOGREC entry and an SVC dump, so that the system programmer can examine the LSQA area.

You might find the following items useful in resolving the problem:

- Console log
- System dump
- Printout of SYS1.LOGREC

00F30071

Explanation: An internal error has occurred.

Module: CSQ3AUCN

System Action: The connection request is not processed. A dump is taken, and an entry is written in SYS1.LOGREC.

System Programmer Response: Collect the following items, and contact your IBM support center:

- System dump
- Printout of SYS1.LOGREC

00F30075

Explanation: An internal error has occurred.

Module: CSQ3AUCN

System Action: A dump is taken, and an entry is written in SYS1.LOGREC.

System Programmer Response: Collect the following items, and contact your IBM support center:

- Console log
- System dump
- Printout of SYS1.LOGREC

00F30078

Explanation: An internal error has occurred.

Module: CSQ3ID30

System Action: The request is not processed. A dump is taken, and an entry is written in SYS1.LOGREC.

System Programmer Response: Collect the following items, and contact your IBM support center:

- System dump
- Console log
- Printout of SYS1.LOGREC

00F30080

Explanation: An internal error has occurred.

Module: CSQAPRHX, CSQAPRH0

System Action: The application program is abended with code X'5C6' and this reason code. A dump is taken, and an entry is written in SYS1.LOGREC.

System Programmer Response: Collect the following items, and contact your IBM support center:

- System dump
- Console log
- Printout of SYS1.LOGREC

00F30091

Explanation: The application program issued an RRSF IDENTIFY function request, but RRS/MVS is not available.

System Action: The IDENTIFY request is not processed.

Module: CSQ3ID30

User Response: Retry the IDENTIFY request after RRS/MVS has been started.

00F30093

Explanation: The application program issued an RRSF TERMINATE THREAD or TERMINATE IDENTIFY function request, but the application has issued an MQI request since the last invocation of SRRRCMIT or SRRBACK and therefore is not at a point of consistency.

System Action: The function request is not processed.

Module: CSQ3CT80, CSQ3ID80

User Response: You can continue processing with a corrected request.

00F30095

Explanation: An internal error was detected in either MQSeries or OS/390 RRS.

System Action: The application is abended. This error might, in many cases, eventually abend the MQSeries subsystem.

Module: CSQ3CMIT, CSQ3CT30, CSQ3CTXS, CSQ3RRSX

Operator Response: Notify the system programmer.

System Programmer Response: This is probably either an error in MQSeries or in OS/390 RRS. Refer to Section 3 of Diagnosis Guide and Reference for information on identifying and reporting the problem.

Problem Determination: MQSeries records on the SYS1.LOGREC data set and requests an SVC dump. The error indicates that there might be a problem with MQSeries or with OS/390 RRS.

Collect the following diagnostic items:

- Console output from the system on which the job was run, and a listing of the SYSLOG data set for the period of time spanning the failure.
- Dynamic dump, taken to SYS1.DUMPxx data set, by MQSeries (5C6/6C6 abends).
- Listing of SYS1.LOGREC data set, obtained by executing IFCEREP1.

00F30096

Explanation: An internal error was detected in either MQSeries or OS/390 RRS Context Services.

System Action: The application is abended. This error can, in many cases, eventually abend the MQSeries subsystem.

Module: CSQ3ID30, CSQ3ID80

Operator Response: Notify the system programmer.

System Programmer Response: This is probably either an error in MQSeries or in OS/390 RRS. Refer to Section 3 of Diagnosis Guide and Reference for information on identifying and reporting the problem.

Problem Determination: MQSeries records on the SYS1.LOGREC data set and requests an SVC dump. The error indicates that there can be a problem with MQSeries or with OS/390 RRS Context Services.

Collect the following diagnostic items:

- Console output from the system on which the job was run, and a listing of the SYSLOG data set for the period of time spanning the failure.
- Dynamic dump, taken to SYS1.DUMPxx data set, by MQSeries (5C6/6C6 abends).
- Listing of SYS1.LOGREC data set, obtained by executing IFCEREP1.

00F30101

Explanation: The parameter contained in the IEFSSNxx member used to initialize MQSeries (and other subsystems) is in error. See message CSQ3101E for details.

Module: CSQ3UR00

System Action: See message CSQ3101E.

Operator Response: See message CSQ3101E.

System Programmer Response: See message CSQ3101E.

00F30102 • 00F30111

Problem Determination: See message CSQ3101E.

You might find the following items useful in resolving the problem:

- Console log
- System dump
- Printout of SYS1.LOGREC

00F30102

Explanation: The parameter contained in the IEFSSNxx member used to initialize MQSeries (and other subsystems) is in error. The MQSeries command prefix (CPF) must not be blank. For details, see message CSQ3102E.

Module: CSQ3UR00

System Action: See message CSQ3102E.

Operator Response: See message CSQ3102E.

System Programmer Response: See message CSQ3102E.

Problem Determination: See message CSQ3102E.

You might find the following items useful in resolving the problem:

- Console log
- System dump
- Printout of SYS1.LOGREC

00F30103

Explanation: The parameter contained in the IEFSSNxx member used to initialize MQSeries (and other subsystems) is in error or the named module is not resident in a library available during IPL. See message CSQ3103E for details.

Module: CSQ3UR00

System Action: See message CSQ3103E.

Operator Response: See message CSQ3103E.

System Programmer Response: See message CSQ3103E.

Problem Determination: See message CSQ3103E.

You might find the following items useful in resolving the problem:

- Console log
- System dump
- Printout of SYS1.LOGREC

00F30104

Explanation: Module CSQ3UR00 was unable to obtain the MQSeries subsystem affinity table index for the named subsystem. OS/390 did not recognize the named subsystem. See message CSQ3109E for details.

Module: CSQ3UR00

System Action: See message CSQ3109E.

Operator Response: See message CSQ3109E.

System Programmer Response: See message CSQ3109E.

Problem Determination: See message CSQ3109E.

You might find the following items useful in resolving the problem:

- Console log
- System dump
- Printout of SYS1.LOGREC

00F30105

Explanation: Module CSQ3UR00 was unable to load Early module CSQ3EPX. Either there was an I/O error, or the named module is not resident in a library available during IPL. See message CSQ3105E for details.

Module: CSQ3UR00

System Action: See message CSQ3105E.

Operator Response: See message CSQ3105E.

System Programmer Response: See message CSQ3105E.

Problem Determination: See message CSQ3105E.

You might find the following items useful in resolving the problem:

- Console log
- Printout of SYS1.LOGREC

00F30106

Explanation: The parameter contained in the IEFSSNxx member used to initialize MQSeries (and other subsystems) is in error. The scope of the MQSeries command prefix (CPF) is not valid. For details, see message CSQ3112E.

Module: CSQ3UR00

System Action: See message CSQ3112E.

Operator Response: See message CSQ3112E.

System Programmer Response: See message CSQ3112E.

Problem Determination: See message CSQ3112E.

You might find the following items useful in resolving the problem:

- Console log
- System dump
- Printout of SYS1.LOGREC

00F30107

Explanation: An error occurred during command prefix registration.

Module: CSQ3UR00

System Action: MQSeries abends.

System Programmer Response: See the accompanying CSQ3xxx messages for information about the cause of the problem.

Problem Determination: You might find the following items useful in resolving the problem:

- Console log

00F30111

Explanation: The MQSeries program which establishes MQSeries as an OS/390 subsystem during Master Scheduler initialization has determined that either its own load module or a load module loaded by it does not have the attributes AMODE(31) and RMODE(ANY). Message CSQ3111E was issued just prior to the abend indicating the name of the load module in error.

Module: CSQ3UR00.

System Action: MQSeries subsystem initialization is terminated.

System Programmer Response: See message CSQ3111E.

Operator Response: See message CSQ3111E.

Problem Determination: See message CSQ3111E. None.

00F30210

Explanation: An internal error has occurred.

Module: CSQ3ENQ0, CSQ3RS00, CSQ3RS0X

System Action: The caller is abended. An SVC dump and associated SYS1.LOGREC entries are produced.

System Programmer Response: Collect the following items, and contact your IBM support center:

- Console log
- System dump
- Printout of SYS1.LOGREC

00F30211

Explanation: An internal error has occurred.

Module: CSQ3DEQ0, CSQ3RS00, CSQ3RS0X

System Action: The caller is abended. An SVC dump and associated SYS1.LOGREC entries are produced.

System Programmer Response: Collect the following items, and contact your IBM support center:

- Console log
- System dump
- Printout of SYS1.LOGREC

00F30212

Explanation: An internal error has occurred.

Module: CSQ3AC00, CSQ3AC0X

System Action: The caller is abended. A dump is taken, and an entry is written in SYS1.LOGREC.

System Programmer Response: Collect the following items, and contact your IBM support center:

- Console log
- System dump
- Printout of SYS1.LOGREC

00F30213

Explanation: An internal error has occurred.

Module: CSQ3AC00, CSQ3AC0X

System Action: The caller is abended. An SVC dump and associated SYS1.LOGREC entries are produced by an MQSeries service module.

System Programmer Response: Collect the following items, and contact your IBM support center:

- Console log
- System dump
- Printout of SYS1.LOGREC

00F30214

Explanation: An internal error has occurred.

Module: CSQ3AC00, CSQ3AC0X

System Action: The caller is abended. An SVC dump and associated SYS1.LOGREC entries are produced by an MQSeries service module.

System Programmer Response: Collect the following items, and contact your IBM support center:

- Console log

- System dump
- Printout of SYS1.LOGREC

00F30216

Explanation: An attempt to create an MQSeries address space failed. This is probably because the user who issued the START QMGR command has insufficient authority to issue the START command.

Module: CSQ3EC00, CSQ3EC0X

System Action: The current START command processing is terminated. Subsequent commands are processed as though this command had not been processed.

Operator Response: Retry the command and notify the system programmer if it is unsuccessful.

System Programmer Response: If the command was unsuccessful, request an IPL of OS/390, as the error could be the result of an OS/390 internal problem.

Problem Determination: An SVC dump and associated SYS1.LOGREC entries are produced. The ASID passed back by the OS/390 command scheduler for the START command is not valid.

You might find the following items useful in resolving the problem:

- Console log
- System dump
- Printout of SYS1.LOGREC

If you are unable to resolve the problem, contact your IBM support center.

00F30217

Explanation: The console ID for the OS/390 console that entered the current command is not found in the OS/390 unit control module (UCM) structure. This is a serious error. An internal OS/390 START command might have been incorrectly issued by an application program that provided invalid input parameters.

Module: CSQ3EC00, CSQ3EC0X

System Action: The caller is abended.

Operator Response: Retry the START QMGR command, and notify your system programmer if it is unsuccessful.

System Programmer Response: If the command was unsuccessful, collect the items listed in the Problem Determination section, and contact your IBM support center.

Problem Determination: You might find the following items useful in resolving the problem:

- Console log
- System dump
- Printout of SYS1.LOGREC

00F30218

Explanation: An internal error has occurred.

Module: CSQ3EC00, CSQ3EC0X

System Action: The current TCB is abended. The calling TCB might have requested an SVC dump or created associated SYS1.LOGREC entries.

System Programmer Response: Collect the following items, and contact your IBM support center:

- Console log
- System dump
- Printout of SYS1.LOGREC

00F30219

Explanation: An internal error has occurred.

Module: CSQ3EC00, CSQ3EC0X

System Action: The calling TCB is abended. The calling TCB might have requested an SVC dump or created associated SYS1.LOGREC entries.

Operator Response: Cancel MQSeries. (End-of-task processing might still work, and it does a more complete clean-up than end-of-memory processing does.) If this does not work, issue the OS/390 FORCE command for the MQSeries address spaces. If the problem is still unresolved, re-IPL OS/390.

System Programmer Response: Collect the following items, and contact your IBM support center:

- Console log
- System dump
- Printout of SYS1.LOGREC

00F3021A

Explanation: An internal error has occurred.

Module: CSQ3CL00, CSQ3CL0X

System Action: The calling TCB is abended. An SVC dump and associated SYS1.LOGREC entries are produced.

Operator Response: Stop the MQSeries subsystem and reissue the START QMGR command.

System Programmer Response: Collect the following items, and contact your IBM support center:

- Console log
- Printout of SYS1.LOGREC

00F3021C

Explanation: MQSeries was unable to establish an ESTAE. This can occur if the OS/390 system address space that is broadcasting the command has insufficient storage. Further entry of commands to the MQSeries subsystem might result in a successful start of MQSeries.

Module: CSQ3EC00, CSQ3EC0X

System Action: The caller is abended (without a dump). The current START command processing is terminated. Subsequent commands are processed as though this command had not been processed.

Operator Response: Retry the command. If it is unsuccessful, re-IPL OS/390.

System Programmer Response: Examine the LOGREC entries, and the console log for indications of an OS/390 error, and try increasing the storage.

If you are unable to resolve the problem, collect the following items, and contact your IBM support center:

- Console log
- Printout of SYS1.LOGREC

00F3021D

Explanation: MQSeries could not establish an ESTAE during either the initialization or termination of the MQSeries subsystem.

This can occur during initialization if the OS/390 system address space that is broadcasting the first command (assumed to be the START command) has insufficient storage. In this case, further entry of commands to the MQSeries subsystem might result in a successful start of MQSeries.

This can occur during termination if the current address space (usually MQSeries, or in the case of EOM broadcast, an OS/390 system address space) has insufficient storage. In this case, after the MQSeries subsystem has shut down, further entry of commands to the MQSeries subsystem might result in a successful start of MQSeries.

Module: CSQ3RS00

System Action: The caller is abended (without a dump). The initialization stops, but termination proceeds.

Operator Response: Retry the command. If the problem persists, a re-IPL of OS/390 might be necessary and the system programmer should be notified.

System Programmer Response: Examine the LOGREC entries, and the console log for indications of an OS/390 error, and try increasing the storage.

If you are unable to resolve the problem, collect the following items, and contact your IBM support center:

- Console log
- Printout of SYS1.LOGREC

00F3021E

Explanation: MQSeries could not establish an ESTAE while in the process of routing control to the actual ESTAE routine. The caller (RTM) is abended. This causes the original error to percolate to a higher-level recovery routine and causes this abend to be shown in an RTM recovery environment.

This can occur if the current address space (usually an allied address space) has insufficient storage.

Module: CSQ3RTR0

System Action: The caller is abended and a dump is produced.

System Programmer Response: Examine the usage and free areas in the LSQA portion of the current address space private area. If necessary, have the size of the private area expanded.

Problem Determination: You might find the following items useful in resolving the problem:

- Console log
- System dump
- Printout of SYS1.LOGREC

00F3021F

Explanation: An internal error has occurred.

Module: CSQ3RS00, CSQ3RS0X

System Action: The caller is not abended. A dump is taken, and an entry is written in SYS1.LOGREC.

System Programmer Response: Collect the following items, and contact your IBM support center:

- System dump
- Console log
- Printout of SYS1.LOGREC

00F30220

Explanation: An internal error has occurred.

Module: CSQ3RS00, CSQ3RS0X

System Action: The caller is not abended. A dump is taken, and an entry is written in SYS1.LOGREC.

System Programmer Response: Collect the following items, and contact your IBM support center:

- System dump
- Console log
- Printout of SYS1.LOGREC

00F30230

Explanation: An internal error has occurred.

Module: CSQ3SSLM

System Action: The connection between the allied address space and the MQSeries subsystem is terminated. A dump is taken, and an entry is written in SYS1.LOGREC.

System Programmer Response: Collect the following items, and contact your IBM support center:

- System dump
- Console log
- Printout of SYS1.LOGREC

00F30310

Explanation: An internal error has occurred.

Module: CSQ3RIA0, CSQ3RIM0

System Action: This is an MQSeries error. The invoker is abended. A dump is taken, and an entry is written in SYS1.LOGREC.

System Programmer Response: Collect the following items, and contact your IBM support center:

- System dump
- Console log
- Printout of SYS1.LOGREC

00F30311

Explanation: MQSeries could not establish an ESTAE during the processing of a resolve-indoubt request. This can occur if the current address space has insufficient storage. This will probably cause an abnormal termination of the MQSeries subsystem.

Module: CSQ3RIM0

System Action: The caller is abended.

Operator Response: Notify the system programmer, and restart MQSeries if necessary.

System Programmer Response: Examine the usage and free areas in the local system queue area (LSQA) portion of the current address space private area. If necessary, have the size of the private area expanded.

Problem Determination: The caller should produce a SYS1.LOGREC entry and an SVC dump, so that the system programmer can examine the LSQA area.

You might find the following items useful in resolving the problem:

- Console log

- System dump
- Printout of SYS1.LOGREC

00F30312

Explanation: MQSeries could not establish an ESTAE during the processing of a resolve-indoubt-UR request. This can occur if the current address space has insufficient storage.

Module: CSQ3RIA0

System Action: The caller is abended.

System Programmer Response: Examine the usage and free areas in the local system queue area (LSQA) portion of the current address space private area. If necessary, have the size of the private area expanded.

Problem Determination: The caller should produce a SYS1.LOGREC entry and an SVC dump.

You might find the following items useful in resolving the problem:

- Console log
- System dump
- Printout of SYS1.LOGREC

00F30313

Explanation: A control block could not be allocated. This could occur when the storage pool has no more free space available.

Module: CSQ3RIB2.

System Action: The request is not processed. The application program is abended with code X'5C6' and this reason code.

Operator Response: A dump should be taken for problem analysis.

System Programmer Response: Check that you are running with the recommended region size, and if not, reset your system and retry. If you are unable to resolve the problem, collect the following items and contact your IBM support center:

- Console log
- System dump

00F30400

Explanation: An internal error has occurred.

Module: CSQ3SSCN

System Action: None by CSQ3SSCN. The MQSeries program which made the request will probably produce diagnostics to report the error.

System Programmer Response: Collect the diagnostics produced by the application program reporting the error, if any, and contact your IBM support center.

00F30401

Explanation: An internal error has occurred.

Module: CSQ3SSDI

System Action: None by CSQ3SSDI. The MQSeries program which made the request might produce diagnostics to report the error.

System Programmer Response: Collect the diagnostics produced by the application program reporting the error, if any, and contact your IBM support center.

00F30402

Explanation: An internal error has occurred.

Module: CSQ3SSDI

System Action: None by CSQ3SSDI. The MQSeries program which made the request might produce diagnostics to report the error.

System Programmer Response: Collect the diagnostics produced by the application program reporting the error, if any, and contact your IBM support center.

00F30406

Explanation: The MQSeries subsystem has gone to EOM (end-of-memory). This is probably because the operator FORCE command has been issued.

Module: CSQ3SSI1

System Action: The MQSeries subsystem is terminated, and a dump is taken.

Operator Response: The MQSeries subsystem can be restarted after termination completes.

Problem Determination: Determine why the FORCE command was issued.

00F30409

Explanation: An internal error has occurred.

Module: CSQ3SSES

System Action: The MQSeries subsystem is terminated with an SVC dump.

Operator Response: MQSeries can be started again after it terminates.

System Programmer Response: Collect the following items, and contact your IBM support center:

- Console log
- Printout of SYS1.LOGREC
- System dump

00F3040A

Explanation: An internal error has occurred.

Module: CSQ3SSI1

System Action: The MQSeries subsystem is terminated with an SVC dump.

Operator Response: MQSeries can be started again after it terminates.

System Programmer Response: Collect the following items, and contact your IBM support center:

- Console log
- Printout of SYS1.LOGREC
- System dump

00F3040B

Explanation: See message CSQ3001E.

Module: CSQ3SSTM

System Action: See message CSQ3001E.

Operator Response: See message CSQ3001E.

System Programmer Response: See message CSQ3001E.

Problem Determination: See message CSQ3001E.

You might find the following items useful in resolving the problem:

- Console log
- System dump
- Printout of SYS1.LOGREC

00F3040C

Explanation: An internal error has occurred.

Module: CSQ3SSI2

System Action: The MQSeries subsystem is terminated with an SVC dump.

Operator Response: MQSeries can be started again after it terminates.

System Programmer Response: Collect the following items, and contact your IBM support center:

- Console log
- Printout of SYS1.LOGREC
- System dump

00F3040D

Explanation: An internal error has occurred.

Module: CSQ3ID80, CSQ3SSI2, CSQ3SSES

System Action: The MQSeries subsystem is terminated with an SVC dump.

Operator Response: MQSeries can be started again after it terminates.

System Programmer Response: Collect the following items, and contact your IBM support center:

- Console log
- System dump
- Printout of SYS1.LOGREC

00F3040E

Explanation: An internal error has occurred.

Module: CSQ3SSES

System Action: The MQSeries subsystem is terminated.

Operator Response: The MQSeries subsystem should be restarted.

System Programmer Response: Collect the following items, and contact your IBM support center:

- Console log
- System dump
- Printout of SYS1.LOGREC

00F3040F

Explanation: An internal error has occurred.

Module: CSQ3SSES, CSQ3SSI1, CSQ3SSI2

System Action: The MQSeries subsystem is terminated with an SVC dump.

Operator Response: MQSeries can be started again after it terminates. The system programmer should be notified.

System Programmer Response: Collect the following items, and contact your IBM support center:

- System dump
- Console log
- Printout of SYS1.LOGREC

00F30410

Explanation: An internal error has occurred.

Module: CSQ3AAES

System Action: The MQSeries subsystem is terminated.

Operator Response: MQSeries can be started again after it terminates.

System Programmer Response: Collect the following items, and contact your IBM support center:

- Console log
- System dump

00F30411

Explanation: An internal error has occurred.

Module: CSQ3AAES

System Action: The MQSeries subsystem is terminated.

Operator Response: Notify the system programmer. MQSeries can be started again after it terminates.

System Programmer Response: Collect the following items, and contact your IBM support center:

- Console log
- Printout of SYS1.LOGREC
- System dump

00F30412

Explanation: An internal error has occurred.

Module: CSQ3AAES

System Action: The MQSeries subsystem is terminated.

Operator Response: Notify the system programmer. MQSeries can be started again after it terminates.

System Programmer Response: Collect the following items, and contact your IBM support center:

- Console log
- Printout of SYS1.LOGREC
- System dump

00F30413

Explanation: An internal error has occurred.

Module: CSQ3AAES

System Action: The MQSeries subsystem is terminated.

Operator Response: MQSeries can be started again after it terminates.

System Programmer Response: Collect the following items, and contact your IBM support center:

- Console log
- Printout of SYS1.LOGREC
- System dump

00F30414

Explanation: An internal error has occurred.

Module: CSQ3SSI1

System Action: The MQSeries subsystem is terminated.

Operator Response: MQSeries can be started again after it terminates. If the problem persists, request a stand-alone dump, and re-IPL OS/390.

System Programmer Response: Collect the following items, and contact your IBM support center:

- Console log
- System dump

00F30415

Explanation: The MQSeries subsystem was abended because it was unable to establish the ESTAEs during the processing of an EOM SSI broadcast. This is probably an OS/390 problem, because these modules are executing in the OS/390 master scheduler address space.

Module: CSQ3SSI1

System Action: The MQSeries subsystem is terminated.

Operator Response: MQSeries can be started again after it terminates. If the problem persists, re-IPL OS/390.

System Programmer Response: This can occur if the OS/390 master scheduler address space has insufficient free virtual storage. If the problem appears to be an MQSeries problem, see the *MQSeries for OS/390 Problem Determination Guide* for information about problem determination procedures.

Problem Determination: MQSeries is unable to write a SYS1.LOGREC record or request a dump. The OS/390 master scheduler should have produced these diagnostic aids. Examine the dump to determine whether the problem is in OS/390 or MQSeries. Other unrelated errors in the OS/390 Master Scheduler address space would indicate an OS/390 problem.

You might find the following items useful in resolving the problem:

- Console log
- System dump

00F30416

Explanation: The MQSeries subsystem was abended, because it was unable to establish the ESTAE during the processing of an EOM for an allied address space.

Module: CSQ3EOM0

System Action: The MQSeries subsystem is terminated.

Operator Response: MQSeries can be started again after it terminates. If the problem persists, re-IPL OS/390.

System Programmer Response: This can occur if the OS/390 master scheduler address space that is broadcasting the EOM has insufficient free virtual storage. If the problem appears to be an MQSeries problem, see the *MQSeries for OS/390 Problem Determination Guide* for information about problem determination procedures.

Problem Determination: MQSeries is unable to write a SYS1.LOGREC record or request a dump. The OS/390 master scheduler should have produced these diagnostic aids. Examine the dump to determine whether the problem is in OS/390 or MQSeries. Other unrelated errors in the OS/390 Master Scheduler address space would indicate an OS/390 problem.

You might find the following items useful in resolving the problem:

- Console log
- System dump

00F30417

Explanation: An internal error has occurred.

Module: CSQ3SSES

System Action: The MQSeries subsystem is terminated.

Operator Response: MQSeries can be started again after it terminates.

System Programmer Response: Collect the following items, and contact your IBM support center:

- Console log
- Printout of SYS1.LOGREC
- System dump

00F30418

Explanation: An internal error has occurred.

Module: CSQ3SSES

System Action: The MQSeries subsystem is terminated.

Operator Response: MQSeries can be started again after it terminates.

System Programmer Response: Collect the following items, and contact your IBM support center:

- Console log
- Printout of SYS1.LOGREC
- System dump

00F30419

Explanation: An internal error has occurred.

Module: CSQ3SSES, CSQ3SSI1, CSQ3SSI2

System Action: The MQSeries subsystem is terminated with an SVC dump.

Operator Response: MQSeries can be started again after it terminates. The system programmer should be notified.

System Programmer Response: Collect the following items, and contact your IBM support center:

- Console log
- System dump
- Printout of SYS1.LOGREC

00F3041A

Explanation: An ESTAE could not be established by the deferred end-of-task (EOT) processor. This error could occur only during MQSeries subsystem startup. Probably, an ESTAE could not be established because of a shortage of LSQA space.

Module: CSQ3EOTS

System Action: The MQSeries subsystem is terminated.

Operator Response: Notify the system programmer, and restart MQSeries.

System Programmer Response: If the problem persists, increase the size of the MQSeries address space private area.

Problem Determination: An SVC dump and associated SYS1.LOGREC entry should be available.

You might find the following items useful in resolving the problem:

- Console log
- System dump
- Printout of SYS1.LOGREC

00F3041B

Explanation: An internal error has occurred.

Module: CSQ3EOTS

System Action: The MQSeries subsystem is terminated. A SYS1.LOGREC entry and associated SVC dump were requested.

Operator Response: Notify the system programmer, and restart MQSeries.

System Programmer Response: Collect the following items, and contact your IBM support center:

- Console log
- Printout of SYS1.LOGREC
- System dump

00F30420

Explanation: An internal error has occurred.

Module: CSQ3EOTS

System Action: The MQSeries subsystem is terminated. A SYS1.LOGREC entry and associated SVC dump were requested.

Operator Response: Notify the system programmer, and restart MQSeries.

System Programmer Response: Collect the following items, and contact your IBM support center:

- Console log
- Printout of SYS1.LOGREC
- System dump

00F30429

Explanation: An internal error has occurred.

Module: CSQ3SSI1

System Action: The MQSeries subsystem is terminated with an SVC dump.

Operator Response: Notify the system programmer, and restart MQSeries.

System Programmer Response: Collect the following items, and contact your IBM support center:

- Console log
- Printout of SYS1.LOGREC
- System dump

00F30450

Explanation: CSECT CSQ3CL00 could not establish an ESTAE during the processing of an identify SSI call. This can occur if the current address space has insufficient storage.

Module: CSQ3CL00

System Action: The allied address space is abended (without a dump).

System Programmer Response: The user can retry the identify request. If a dump is available, review the virtual storage manager's control blocks to determine if all of the private area has been allocated. If necessary, increase the private area size of the allied address space.

Problem Determination: A dump should be produced by the allied task.

You might find the following items useful in resolving the problem:

- Console log
- System dump

- Printout of SYS1.LOGREC

00F30451

Explanation: CSECT CSQ3SSI1 could not establish its ESTAEs during the processing of an identify SSI call. This can occur if the current address space has insufficient storage.

Module: CSQ3SSI1

System Action: The allied task is abended (without ABDUMP).

System Programmer Response: The user can retry the identify request. If a dump is available, review the virtual storage manager's control blocks to determine if all of the private area has been allocated. If necessary, increase the private area size of the allied address space.

Problem Determination: A dump should be produced by the allied task.

You might find the following items useful in resolving the problem:

- Console log
- System dump
- Printout of SYS1.LOGREC

00F30452

Explanation: CSECT CSQ3ID30 could not establish an ESTAE during the processing of an identify SSI call. This can occur if the current address space has insufficient storage.

Module: CSQ3ID30

System Action: The allied task is abended (without ABDUMP).

System Programmer Response: The user can retry the identify request. If a dump is available, review the virtual storage manager's control blocks to determine if all of the private area has been allocated. If necessary, increase the private area size of the allied address space.

Problem Determination: A dump should be produced by the allied task.

You might find the following items useful in resolving the problem:

- Console log
- System dump
- Printout of SYS1.LOGREC

00F30453

Explanation: CSECT CSQ3SSI1 could not establish its ESTAEs during the processing of an SSI call other than FEOT, EOM, HELP, COMMAND, and IDENTIFY. This can occur if the current address space has insufficient storage.

Module: CSQ3SSI1

System Action: The allied task is abended (without ABDUMP).

System Programmer Response: The user can retry the request. If a dump is available, review the virtual storage manager's control blocks to determine if all of the private area has been allocated. If necessary, increase the private area size of the allied address space.

Problem Determination: A dump should be produced by the allied task.

You might find the following items useful in resolving the problem:

- Console log
- System dump
- Printout of SYS1.LOGREC

00F30454

Explanation: An internal error has occurred.

Module: CSQ3SSI1

System Action: The allied task is abended.

System Programmer Response: Collect the following items, and contact your IBM support center:

- Console log
- System dump
- Printout of SYS1.LOGREC

00F30455

Explanation: CSECT CSQ3ID80 could not establish its ESTAE during the processing of the identify termination request. This can occur if the current address space has insufficient storage.

Module: CSQ3ID80

System Action: The allied task is abended (without ABDUMP).

System Programmer Response: The user can retry the request. If a dump is available, review the virtual storage manager's control blocks to determine if all of the private area has been allocated. If necessary, increase the private area size of the allied address space.

Problem Determination: A dump should be produced by the allied task.

You might find the following items useful in resolving the problem:

- Console log
- System dump
- Printout of SYS1.LOGREC

00F30456

Explanation: An internal error has occurred.

Module: CSQ3TM00

System Action: The calling task is abended.

System Programmer Response: Collect the following items, and contact your IBM support center:

- Console log
- System dump
- Printout of SYS1.LOGREC

00F30457

Explanation: An internal error has occurred.

Module: CSQ3TM00

System Action: The caller is abended. The caller might, in many cases, eventually abend the MQSeries subsystem.

System Programmer Response: Collect the following items, and contact your IBM support center:

- Console log
- System dump
- Printout of SYS1.LOGREC

00F30459

Explanation: An internal error has occurred.

Module: CSQ3TM00

System Action: The MQSeries subsystem is terminated with a reason code of X'00F30420'.

System Programmer Response: Collect the following items, and contact your IBM support center:

- Console log
- System dump
- Printout of SYS1.LOGREC

00F30461

Explanation: MQSeries was unable to successfully restart with OS/390 RRS because of an internal error in either MQSeries or OS/390 RRS.

System Action: MQSeries is not connected to RRS and all services dependent on that connection are unavailable. This means that applications might not connect to MQSeries using RRS/AF and that WLM-established address spaces might not be used for MQSeries stored procedures until MQSeries successfully restarts with OS/390 RRS.

Module: CSQ3RRSR, CSQ3RRRS

Operator Response: Notify the system programmer.

System Programmer Response: Stop and then start OS/390 RRS. Stop and then start MQSeries. If the problem persists, perform an OS/390 RRS cold start. Refer to Section 3 of Diagnosis Guide and Reference for information on identifying and reporting the problem.

Problem Determination: Collect the following diagnostic items:

- Console output from the system on which the job was run, and a listing of the SYSLOG data set for the period of time spanning the failure.
- Dynamic dump, taken to SYS1.DUMPxx data set, by MQSeries (5C6/6C6 abends).
- Listing of SYS1.LOGREC data set, obtained by executing IFCEREP1.

00F30501

Explanation: An internal error has occurred.

Module: CSQ3CT30

System Action: The requester is abended, and the request is not processed.

System Programmer Response: Collect the following items, and contact your IBM support center:

- Console log
- System dump
- Printout of SYS1.LOGREC

00F30502

Explanation: An internal error has occurred.

Module: CSQ3ID50

System Action: The requester is abended, and the request is not processed.

System Programmer Response: Collect the following items, and contact your IBM support center:

You might find the following items useful in resolving the problem:

- Console log
- System dump
- Printout of SYS1.LOGREC

00F30503

Explanation: The member CSQ6SYSP is missing from the system parameter load module.

Module: CSQ3AMI1

System Action: MQSeries start-up is terminated.

System Programmer Response: For information about the coding procedure for system parameter modules, see the *MQSeries for OS/390 System Management Guide*.

Problem Determination: CSQ6SYSP CSECT is missing from the system parameter load module. Recreate your system parameter load module (if a customized version is being used) and restart MQSeries.

You might find the following items useful in resolving the problem:

- Console log
- System dump
- Printout of SYS1.LOGREC

00F30573

Explanation: An internal error has occurred.

Module: CSQ3SPR0, CSQ3SPRX

System Action: The requester is abended, and the request is not processed. A dump is taken, and an entry is written in SYS1.LOGREC.

System Programmer Response: Collect the following items, and contact your IBM support center:

- System dump
- Console log
- Printout of SYS1.LOGREC

00F30574

Explanation: An internal error has occurred.

Module: CSQ3SPR0, CSQ3SPRX

System Action: The requester is abended, and the request is not processed. A dump is taken, and an entry is written in SYS1.LOGREC.

System Programmer Response: Collect the following items, and contact your IBM support center:

- System dump
- Console log
- Printout of SYS1.LOGREC

00F30580

Explanation: An internal error has occurred.

Module: CSQ3AMI2

System Action: The requester is abended.

System Programmer Response: Collect the following items, and contact your IBM support center:

- Console log
- System dump

- Printout of SYS1.LOGREC

00F30581

Explanation: An internal error has occurred.

Module: CSQ3AMI2

System Action: An abend is issued, and the startup/shutdown ESTAE creates a SYS1.LOGREC entry and takes an SVC dump.

Operator Response: Notify the system programmer, and restart MQSeries.

System Programmer Response: Collect the following items, and contact your IBM support center:

- Console log
- System dump
- Printout of SYS1.LOGREC

00F30597

Explanation: An internal error has occurred.

Module: CSQ3ID30

System Action: The allied task is abended, and the request is not processed.

System Programmer Response: Collect the following items, and contact your IBM support center:

- Console log
- System dump
- Printout of SYS1.LOGREC

00F30598

Explanation: An internal error has occurred.

Module: CSQ3ID30

System Action: The allied task is abended, and the request is not processed.

System Programmer Response: Collect the following items, and contact your IBM support center:

- Console log
- System dump
- Printout of SYS1.LOGREC

00F30599

Explanation: An internal error has occurred.

Module: CSQ3UNCH

System Action: The connection name associated with the error is probably unable to continue communication with MQSeries until MQSeries is terminated and restarted.

Operator Response: Notify the system programmer. If necessary, stop and restart MQSeries.

System Programmer Response: Collect the following items, and contact your IBM support center:

- Console log
- System dump

- Printout of SYS1.LOGREC

00F30601

Explanation: Asynchronous events occurred which caused the premature termination of the thread. The thread could not be recovered.

There might be other abends or messages concerning this allied user indicating what the asynchronous events were.

Module: CSQ3ID30

System Action: The allied user is abended with code X'5C6' and this reason code.

System Programmer Response: An SVC dump, associated SYS1.LOGREC entries, and SYSLOG should be available. See the *MQSeries for OS/390 Problem Determination Guide* for information about problem determination procedures and dump analysis.

Problem Determination: You might find the following items useful in resolving the problem:

- Console log
- System dump
- Printout of SYS1.LOGREC

00F30610

Explanation: MQSeries could not establish an ESTAE during the processing of an 'end stop-work force' notification. This can occur if MQSeries has insufficient storage. This might lead to abnormal termination of MQSeries.

Module: CSQ3AMT3

System Action: The caller is abended. An SVC dump and related SYS1.LOGREC entry are requested.

Operator Response: Notify the system programmer and, if necessary, restart MQSeries.

System Programmer Response: If necessary, increase the private area size of the address space.

Problem Determination: You might find the following items useful in resolving the problem:

- Console log
- System dump
- Printout of SYS1.LOGREC

00F30801

Explanation: An internal error has occurred.

Module: CSQAPRH0, CSQAPRHX

System Action: The MQSeries subsystem is terminated. An SVC dump is requested.

Operator Response: Notify the system programmer, and restart MQSeries.

System Programmer Response: Collect the following items, and contact your IBM support center:

- Console log
- System dump
- Printout of SYS1.LOGREC

00F30802

Explanation: An internal error has occurred.

Module: CSQAPRH0, CSQAPRHX

System Action: The task is not abended.

System Programmer Response: Collect the following items, and contact your IBM support center:

- Console log
- System dump
- Printout of SYS1.LOGREC

00F30803

Explanation: MQSeries could not establish its ESTAE during the processing of an application program support call. This can occur if the current address space has insufficient storage.

Module: CSQAPRH0

System Action: The allied task is abended.

System Programmer Response: The user can retry the request. If necessary, increase the private area size of the application address space.

Problem Determination: The allied task might have requested an SVC dump.

You might find the following items useful in resolving the problem:

- Console log
- System dump
- Printout of SYS1.LOGREC

00F30805

Explanation: An internal error has occurred.

Module: CSQAPRH0, CSQAPRHX

System Action: The request might have been processed or rejected.

System Programmer Response: Collect the following items, and contact your IBM support center:

- Console log
- Printout of SYS1.LOGREC

00F30901

Explanation: MQSeries has lost its cross-memory authority to an allied address space because the ally has released its authorization index.

Module: CSQ3SSES

System Action: The allied address space is terminated.

System Programmer Response: See the *MQSeries for OS/390 Problem Determination Guide* for information about problem determination procedures.

You might find the following items useful in resolving the problem:

- Console log
- Printout of SYS1.LOGREC

00F30902

Explanation: MQSeries has detected a recursive abend condition while processing End-of-Task for a task in an allied address space.

Module: CSQ3SSES

System Action: The allied address space is terminated.

System Programmer Response: See the *MQSeries for OS/390 Problem Determination Guide* for information about problem determination procedures.

You might find the following items useful in resolving the problem:

- Console log
- Printout of SYS1.LOGREC

00F30903

Explanation: An abend has occurred while processing End-of-Task for the MQSeries address space.

Module: CSQ3SSES

System Action: The address space is forced to 'end-of-memory' with this reason code.

System Programmer Response: See the *MQSeries for OS/390 Problem Determination Guide* for information about problem determination procedures.

You might find the following items useful in resolving the problem:

- Console log
- Printout of SYS1.LOGREC

00F30904

Explanation: End-of-Task occurred for the MQSeries address space, and MQSeries could not establish an ESTAE to protect its processing. Insufficient storage might be the reason the ESTAE could not be established.

Module: CSQ3SSI1

System Action: The address space is forced to 'end-of-memory' with this reason code.

System Programmer Response: See the *MQSeries for OS/390 Problem Determination Guide* for information about problem determination procedures.

You might find the following items useful in resolving the problem:

- Console log
- Printout of SYS1.LOGREC

Problem Determination: Attempt to determine if one or more MQSeries address spaces is storage-constrained. Examination of the console output for the time period preceding this condition might reveal other messages or indications that the terminating address space was storage-constrained.

00F30905

Explanation: End-of-Task occurred for the job step task in an allied address space. MQSeries would normally attempt to terminate the address space's connection to MQSeries but was unable to protect its processing by establishing an ESTAE. Insufficient storage might be the reason the ESTAE could not be established.

Module: CSQ3SSI1

System Action: The address space is forced to 'end-of-memory' with this reason code.

System Programmer Response: See the *MQSeries for OS/390 Problem Determination Guide* for information about problem determination procedures.

You might find the following items useful in resolving the problem:

- Console log
- Printout of SYS1.LOGREC

Problem Determination: Attempt to determine if one or more allied address spaces is storage-constrained. Examination of the console output for the time period preceding this condition might reveal other messages or indications that the terminating allied address space was storage-constrained.

00F33100

Explanation: The MQSeries thread is read-only.

Module: CSQ3PR00

System Action: A prepare issued by the application program was processed through Phase-1. MQSeries discovered there were no resources modified and no need for COMMIT or BACKOUT to be subsequently issued.

System Programmer Response: This might create a path length saving by not issuing the subsequent commit or backout which normally follows prepare. No further action is required to complete the unit of recovery; the unit of recovery is complete.

Generalized command preprocessor codes (X'F9')

00F90000

Explanation: An internal error has occurred.

Module: CSQ9SCNF

System Action: Command execution was abended. If the command was properly entered, it might have been partially or completely executed.

System Programmer Response: Print the contents of the SYS1.LOGREC data set. Determine which environment caused the problem, and see the *MQSeries for OS/390 Problem Determination Guide* for information about problem determination procedures, dump analysis, and finding the SDWA.

It might be necessary to restart the CICS or IMS adapter.

Problem Determination: Recording in the SYS1.LOGREC data set is requested for this abnormal termination condition. The SDWA variable recording area (VRA) contains the information provided by the CSQWRCD function. When VRA space permits, the recordable section of the diagnostic data table is also placed in the VRA.

00F90001

Explanation: An internal error has occurred.

Module: CSQ9SCNF

System Action: Command execution was abended. If the command was properly entered, it might have been partially or completely executed.

System Programmer Response: Print the contents of the SYS1.LOGREC data set. Determine which environment caused the problem, and see the *MQSeries for OS/390 Problem Determination Guide* for information about problem determination procedures, dump analysis, and finding the SDWA.

It might be necessary to restart the CICS or IMS adapter.

Problem Determination: Recording in the SYS1.LOGREC data set is requested for this abnormal termination condition. The SDWA variable recording area (VRA) contains the information provided by the CSQWRCD function. When VRA space permits, the recordable section of the diagnostic data table is also placed in the VRA.

You might find the following items useful in resolving the problem:

- Console output
- Dynamic dump
- Printout of SYS1.LOGREC

00F90002

Explanation: The routines of the multiple console support (MCS) service of OS/390 were unable to initialize. This condition might indicate an error in the address space. If it occurs, this is a serious error.

Module: CSQ9SCNM

System Action: Subsystem initialization is stopped, causing the MQSeries subsystem to terminate.

System Programmer Response: Print the contents of the SYS1.LOGREC data set. Determine which environment caused the problem, and see the *MQSeries for OS/390 Problem Determination*

Guide for information about problem determination procedures, dump analysis, and finding the SDWA.

Restart the MQSeries subsystem.

Problem Determination: Recording in the SYS1.LOGREC data set is requested for this abnormal termination condition. The SDWA variable recording area (VRA) contains the information provided by the CSQWRCD function. When VRA space permits, the recordable section of the diagnostic data table is also placed in the VRA.

You might find the following items useful in resolving the problem:

- Console output
- Dynamic dump
- Printout of SYS1.LOGREC

00F90003

Explanation: The routines of the multiple console support (MCS) service of OS/390 were unable to initialize. This condition is a serious one.

Module: CSQ9SCN6, CSQ9SCNM

System Action: If the abend was issued by CSECT CSQ9SCNM, MQSeries subsystem initialization is stopped, causing the MQSeries subsystem to terminate. If the abend was issued by CSECT CSQ9SCN6, the command from the associated console is executed, and should proceed normally.

System Programmer Response: Print the contents of the SYS1.LOGREC data set. Determine which environment caused the problem, and see the *MQSeries for OS/390 Problem Determination Guide* for information about problem determination procedures, dump analysis, and finding the SDWA.

Problem Determination: Recording in the SYS1.LOGREC data set is requested for this abnormal termination condition. The SDWA variable recording area (VRA) contains the information provided by the CSQWRCD function. When VRA space permits, the recordable section of the diagnostic data table is also placed in the VRA.

You might find the following items useful in resolving the problem:

- Console output
- Dynamic dump
- Printout of SYS1.LOGREC

00F90004

Explanation: The routines of the multiple console support (MCS) service of OS/390 detected a logic error.

Module: CSQ9SCN7

System Action: The command was not executed.

System Programmer Response: Collect the items listed in the Problem Determination section, and contact your IBM support center for assistance.

Problem Determination: You might find the following items useful in resolving the problem:

- Console output
- Dynamic dump
- Printout of SYS1.LOGREC

00F90005

Explanation: A routine of the multiple console support (MCS) service of OS/390 was not able to create an ESTAE recovery environment. This condition is detected when the ESTAE service of OS/390 returns a nonzero return code. The command from the associated OS/390 console is not executed. See the *MVS Programming: Assembler Services Reference* manual for an explanation of ESTAE return codes.

Module: CSQ9SCN5, CSQ9SCN6, CSQ9SCN7

System Action: Command processing is terminated.

System Programmer Response: Print the contents of the SYS1.LOGREC data set. Determine which environment caused the problem, and see the *MQSeries for OS/390 Problem Determination Guide* for information about problem determination procedures, dump analysis, and finding the SDWA.

Problem Determination: Recording in the SYS1.LOGREC data set is requested for this abnormal termination condition. The SDWA variable recording area (VRA) contains the information provided by the CSQWRCRD function. When VRA space permits, the recordable section of the diagnostic data table is also placed in the VRA.

You might find the following items useful in resolving the problem:

- Console output
- Dynamic dump
- Printout of SYS1.LOGREC

00F90006

Explanation: An internal error has occurred.

Module: CSQ9SCNB

System Action: Agent allocation is terminated.

System Programmer Response: Collect the items listed in the Problem Determination section, and contact your IBM support center for assistance.

Problem Determination: You might find the following items useful in resolving the problem:

- Console output
- Dynamic dump
- Printout of SYS1.LOGREC

00F90007

Explanation: An internal error has occurred.

Module: CSQ9SCN2

System Action: The statistical update is not completed. The statistics block address is cleared from the CGDA to prevent future problems. No further command statistical counts are maintained. Processing for the command is retried and should complete normally.

System Programmer Response: Collect the items listed in the Problem Determination section, and contact your IBM support center for assistance.

Problem Determination: You might find the following items useful in resolving the problem:

- Console output
- Dynamic dump

- Printout of SYS1.LOGREC

00F90008

Explanation: An internal error has occurred.

Module: CSQ9SCN9

System Action: The function is abended.

System Programmer Response: Collect the items listed in the Problem Determination section, and contact your IBM support center for assistance.

Problem Determination: You might find the following items useful in resolving the problem:

- Console output
- Dynamic dump
- Printout of SYS1.LOGREC

00F90009

Explanation: This reason code is used to document that CSECT CSQ9SCN9 has added information to the SDWA variable recording area (VRA) following the data provided by the CSQWRCRD service. If CSQ9SCN9 records an error in SYS1.LOGREC and the reason code in the VRA is not of the form X'00F9xxxx', the reason code is changed to X'00F90009'. This is done so that anyone examining a SYS1.LOGREC entry can determine, from the reason code, what additional data has been placed in the VRA. The reason code is the first data item in the VRA, as mapped by macro IHAVRA.

Module: CSQ9SCN9

System Programmer Response: Determine which environment caused the problem, and see the *MQSeries for OS/390 Problem Determination Guide* for information about problem determination procedures, dump analysis, and finding the SDWA.

Problem Determination: Recording in the SYS1.LOGREC data set is requested for this abnormal termination condition. The SDWA variable recording area (VRA) contains the information provided by the CSQWRCRD function. When VRA space permits, the recordable section of the diagnostic data table is also placed in the VRA.

You might find the following items useful in resolving the problem:

- Console output
- Dynamic dump
- Printout of SYS1.LOGREC

00F9000A

Explanation: An internal error has occurred.

Module: CSQ9SCN4, CSQ9SCN2, CSQ9SCN1

System Action: Command execution was abended. The command was not executed.

System Programmer Response: Collect the items listed in the Problem Determination section, and contact your IBM support center for assistance.

Problem Determination: You might find the following items useful in resolving the problem:

- Console output
- Dynamic dump
- Printout of SYS1.LOGREC

00F9000B

Explanation: An internal error occurred while attempting to obtain CSA storage. The storage request could not be satisfied, either because no CSA storage was available or because an unreasonably large amount of storage was requested. The amount of storage requested is determined by the length of the command being parsed. Normally, it is several hundred bytes.

Module: CSQ9SCN0

System Action: Command execution is abended.

System Programmer Response: Print the contents of the SYS1.LOGREC data set. Determine which environment caused the problem, and see the *MQSeries for OS/390 Problem Determination Guide* for information about problem determination procedures, dump analysis, and finding the SDWA.

It might be necessary to restart the CICS or IMS adapter, or the MQSeries subsystem.

Problem Determination: Recording in the SYS1.LOGREC data set is requested for this abnormal termination condition. The SDWA variable recording area (VRA) contains the information provided by the CSQWRCRD function. When VRA space permits, the recordable section of the diagnostic data table is also placed in the VRA.

You might find the following items useful in resolving the problem:

- Console output
- Dynamic dump
- Printout of SYS1.LOGREC

00F9000C

Explanation: An internal error has occurred.

The command processor invoked attempted to return a message formatted for inclusion in an OS/390 multiple line WTO (write to operator).

Module: CSQ9SCNP

System Action: Command execution is abended.

System Programmer Response: The command in error is identified by message CSQ9017E.

Print the contents of the SYS1.LOGREC data set. Determine which environment caused the problem, and see the *MQSeries for OS/390 Problem Determination Guide* for information about problem determination procedures, dump analysis, and finding the SDWA.

It might be necessary to restart the CICS or IMS adapter, or the MQSeries subsystem.

Problem Determination: Recording in the SYS1.LOGREC data set is requested for this abnormal termination condition. The SDWA variable recording area (VRA) contains the information provided by the CSQWRCRD function. When VRA space permits, the recordable section of the diagnostic data table is also placed in the VRA. For information about the SDWA, see the *MQSeries for OS/390 Problem Determination Guide*.

You might find the following items useful in resolving the problem:

- Console output
- Dynamic dump
- Printout of SYS1.LOGREC

00F9000D

Explanation: An internal error has occurred.

Module: CSQ9SCNE

System Action: The MQSeries subsystem start-up is terminated.

System Programmer Response: Contact your IBM support center for assistance.

00F9000E

Explanation: An internal error has occurred.

Module: CSQ9SCNP

System Action: The current execution unit terminates with abend code X'5C6'.

System Programmer Response: Contact your IBM support center for assistance.

00F9000F

Explanation: MQSeries was unable to locate the default userid to be used on a command check. This indicates that CSQ6SYSP is not in the system parameter load module.

Module: CSQ9SCNP

System Action: The current execution unit terminates with abend code X'5C6'.

System Programmer Response: Ensure that CSQ6SYSP is in the system parameter load module.

Part 3. MQSeries CICS abend codes

MQSeries CICS bridge abend codes	347	MQSeries CICS adapter abend codes	351
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MQSeries CICS bridge abend codes

CKB1

Explanation: An internal logic error has been detected in the CICS bridge monitor.

Module: CSQCBR00

System Action: Message CSQC750E is written to the CICS CSMT transient data queue and the CICS bridge monitor task is ended abnormally.

Programmer Response: See the description of message CSQC750E for more information.

CKB2

Explanation: The CICS bridge monitor has terminated with CICS bridge tasks still active.

Module: CSQCBR00

System Action: Message CSQC744E is written to the CICS CSMT transient data queue and the CICS bridge monitor task is ended abnormally.

Programmer Response: See the description of message CSQC744E for more information.

CKB3

Explanation: The CICS DPL bridge program has detected an error in a request message for this unit of work.

Module: CSQCBP00

System Action: All request messages for this unit of work are copied to the dead-letter queue with an MQFB_CICS_* reason code. Corresponding error messages are written to the CICS CSMT transient data queue. An MQCRC_BRIDGE_ERROR reply is sent to the reply-to queue if requested. The CICS bridge task is ended abnormally.

Programmer Response: See the description of the accompanying messages for more information.

CKB4

Explanation: The CICS bridge monitor or DPL bridge program abended due to an unexpected return code from an EXEC CICS API call.

Module: CSQCBP20, CSQCBR00

System Action: Message CSQC704E is written to the CICS CSMT transient data queue and the CICS bridge monitor or DPL bridge program is abnormally terminated.

Programmer Response: See the description of message CSQC704E for more information.

CKB5

Explanation: The CICS bridge monitor or DPL bridge program abended due to an unexpected return code from an MQSeries API call.

Module: CSQCBP20, CSQCBR00

System Action: Message CSQC710E is written to the CICS CSMT transient data queue and the CICS bridge monitor or DPL bridge program is abnormally terminated.

Programmer Response: See the description of message CSQC710E for more information.

CKB6

Explanation: The CICS bridge message handling program is unable to proceed because its COMMAREA is too small.

Module: CSQCBTX

System Action: The CICS bridge monitor is abnormally terminated.

Programmer Response: Check that you are running consistent versions of the CICS bridge monitor program CSQCBR00, and the message handling program CSQCBTX.

CKB7

Explanation: The CICS DPL bridge program abended before processing any messages for the unit of work.

Module: CSQCBP20

System Action: All request messages for this unit of work are left on the CICS bridge queue to be handled by the CICS bridge monitor.

Programmer Response: See the description of the accompanying messages for more information.

CKB8

Explanation: The CICS DPL bridge program abended during error processing.

Module: CSQCBP20

System Action: An unexpected error occurred during CICS DPL bridge error processing.

Programmer Response: See the description of the accompanying messages for more information. If the problem reoccurs, contact your IBM support center.

MBR1, MBR2, MBR3, MBR6

Explanation: The CICS bridge exit received invalid calling parameters from CICS.

Module: CSQCBE00

System Action: The transaction is abnormally terminated. The request messages are moved to the dead-letter queue.

Programmer Response: This is probably the result of a storage overwrite. Look at the accompanying CICS dump to investigate the cause of the storage overwrite.

MBR7

Explanation: The size of the EXEC CICS TC output request is too large for the output buffer (the maximum size is 20 KB).

Module: CSQCBE00

System Action: The transaction is abnormally terminated.

Programmer Response: This transaction cannot be run using this version of the CICS bridge exit. The CICS bridge exit received invalid calling parameters from CICS.

Module: CSQCBE00

System Action: The transaction is abnormally terminated. The request messages are moved to the dead-letter queue.

MBR8 • MBRK

Programmer Response: This is probably the result of a storage overwrite. Look at the accompanying CICS dump to investigate the cause of the storage overwrite.

MBR8

Explanation: The mapset name in the next BRMQ vector does not match the CICS request.

Module: CSQCBE00

System Action: The transaction is abnormally terminated.

Programmer Response: This indicates a programming error in creating the input vectors. Use CEDX, or another programming tool to understand the transaction's input requests.

MBR9

Explanation: The map name in the next BRMQ vector does not match the CICS request.

Module: CSQCBE00

System Action: The transaction is abnormally terminated.

Programmer Response: This indicates a programming error in creating the input vectors. Use CEDX, or another programming tool to understand the transaction's input requests.

MBRA

Explanation: The type of EXEC CICS RECEIVE request does not match the next BRMQ vector.

Module: CSQCBE00

System Action: The transaction is abnormally terminated.

Programmer Response: This indicates a programming error in creating the input vectors. Use CEDX, or another programming tool to understand the transaction's input requests. Check whether the RECEIVE requests are TC or BMS.

MBRB

Explanation: The size of the EXEC CICS SEND MAP request is too large for the output buffer (the maximum size is 20 KB).

Module: CSQCBE00

System Action: The transaction is abnormally terminated.

Programmer Response: This transaction cannot be run using this version of the CICS bridge exit. If ADSDs were requested, it might be possible to run the transaction using the bridge without ADSDs.

MBRC

Explanation: An error occurred issuing an EXEC CICS SYNCPOINT request.

Module: CSQCBE00

System Action: The transaction is abnormally terminated.

Programmer Response: This is probably a failure in a CICS resource. Look at the accompanying CICS messages.

MBRD

Explanation: An error occurred issuing an EXEC CICS SYNCPOINT ROLLBACK request.

Module: CSQCBE00

System Action: The transaction is abnormally terminated.

Programmer Response: This is probably a failure in a CICS resource. Look at the accompanying CICS messages.

MBRE, MBRF, MBRG

Explanation: The CICS bridge exit received an unexpected return code from an MQSeries API call.

Module: CSQCBE00

System Action: The transaction is abnormally terminated. The request messages are moved to the dead-letter queue.

Programmer Response: See the description of any accompanying MQSeries error messages for more information.

MBRH

Explanation: MQCIH field *ConversationalTask* was set to MQCCT_NO, but the task was conversational.

Module: CSQCBE00

System Action: The transaction is abnormally terminated.

Programmer Response: Either set this field to MQCCT_YES, or supply a BRMQ vector with the input data.

MBRI

Explanation: The size of the request message is too large for the input buffer (the maximum size is 20 KB).

Module: CSQCBE00

System Action: The transaction is abnormally terminated. The request messages are moved to the dead-letter queue.

Programmer Response: Split the message into multiple messages.

MBRJ

Explanation: The contents of the MQCIH or BRMQ vectors are incorrect.

Module: CSQCBE00

System Action: The transaction is abnormally terminated.

Programmer Response: Look at the *AbendCode* and the *ErrorOffset* in the MQCIH of the reply.

MBRK

Explanation: The start data received by the CICS bridge exit is incorrect.

Module: CSQCBE00

System Action: The transaction is abnormally terminated.

Programmer Response: This either indicates a storage overwrite, or an error in CKBR. Look at the dump to determine if this is a storage overwrite. If not, contact your IBM support center.

MBRM

Explanation: The CICS bridge exit received invalid calling parameters from CICS.

Module: CSQCBE00

System Action: The transaction is abnormally terminated. The request messages are moved to the dead-letter queue.

Programmer Response: This is probably the result of a storage overwrite. Look at the accompanying CICS dump to investigate the cause of the storage overwrite.

MBRN

Explanation: The request message was truncated.

Module: CSQCBE00

System Action: The transaction is abnormally terminated.

Programmer Response: Check the program that put the message onto the bridge queue.

MBRO, MBRP

Explanation: The contents of the MQCIH or BRMQ vectors are incorrect.

Module: CSQCBE00

System Action: The transaction is abnormally terminated.

Programmer Response: Look at the *AbendCode* and the *ErrorOffset* in the MQCIH of the reply.

MBRQ

Explanation: A requested map did not have an associated ADSD.

Module: CSQCBE00

System Action: The transaction is abnormally terminated.

Programmer Response: Look at the transaction dump to find the map in error. Regenerate the map using CICS Transaction Server Version 1.2 or later. If the source of the map is not available, it can be regenerated. See the CICS Transaction Server documentation for more details.

MBRS

Explanation: The CICS bridge exit received an unexpected return code from an MQSeries API call to open a queue.

Module: CSQCBE00

System Action: The transaction is abnormally terminated. All request messages for this unit of work are left on the CICS bridge queue to be handled by the CICS bridge monitor.

Programmer Response: See the description of any accompanying MQSeries error messages for more information.

MQB1

Explanation: The CICS bridge exit received an unexpected return code from an MQSeries API call when processing a backout request.

Module: CSQCBE00

System Action: The transaction is abnormally terminated. The request messages are moved to the dead-letter queue.

Programmer Response: See the description of any accompanying MQSeries error messages for more information.

MQB2

Explanation: The CICS bridge exit received an unexpected return code from an MQSeries API call when processing a commit request.

Module: CSQCBE00

System Action: The data is not committed. The transaction is abnormally terminated. The request messages are moved to the dead-letter queue.

Programmer Response: See the description of any accompanying MQSeries error messages for more information.

MQB3

Explanation: The CICS bridge exit was unable to move the request messages on to the dead-letter queue.

Module: CSQCBE00

System Action: All request messages for this unit of work are left on the CICS bridge queue to be handled by the CICS bridge monitor. The transaction is abnormally terminated.

Programmer Response: See the description of any accompanying MQSeries error messages for more information.

MQSeries CICS adapter abend codes

QAPI

Explanation: Unrecognizable API call. All supported API calls are documented in the chapter about the MQSeries-CICS adapter in the *MQSeries for OS/390 System Management Guide*.

Module: CSQCTRUE

System Action: The task is ended abnormally.

Programmer Response: See the *MQSeries Application Programming Reference* manual for details of the API calls.

QCAL

Explanation: The MQSeries CICS adapter has been invoked by CICS for an unknown reason.

Module: CSQCTRUE

System Action: The invoking task is ended abnormally.

System Programmer Response: Contact your IBM support center.

QCMG

Explanation: This abend code is issued because the MQSeries CICS adapter error handler is unable to load the message text module CSQCMTXT. This module must be defined as a program entry in CICS, and exists in the MQSeries library under the DFHRPL DD statement in the CICS JCL.

Module: CSQCEROR

System Action: The task invoking the message handler is ended abnormally.

System Programmer Response: Check that the installation process was followed correctly.

QDCL

Explanation: An attempt to EXEC CICS LOAD the data conversion service modules was unsuccessful.

Module: CSQCTRUE

System Action: The task is ended abnormally.

Programmer Response: Ensure that the correct library concatenation has been specified in the CICS DFHRPL. Ensure that you have updated your CICS CSD to include CSQAVICM.

QGAL

Explanation: CSQCCON had enabled CSQCTRUE with a global area smaller than that needed by CSQCTRUE. This could be due to a mismatch of version level between CSQCCON and CSQCTRUE.

Module: CSQCTRUE

System Action: The task is ended abnormally.

Programmer Response: Check that the versions of CSQCCON and CSQCTRUE are compatible. If you are unable to solve the problem, contact your IBM support center.

QIND

Explanation: This abend code is issued with message CSQK542I. Refer to message CSQK542I for information about the cause.

Module: CSQKMSS1

System Action: The sender channel ends, leaving an unresolved unit of work to be resolved at the next startup.

System Programmer Response: Restart the channel, allowing resynchronization to be attempted.

QKMG

Explanation: This abend code is issued because the MQSeries CICS adapter error handler is unable to load the message text module CSQKMSG. This module must be defined as a program entry in CICS, and exists in the MQSeries library under the DFHRPL DD statement in the CICS JCL.

Module: CSQCEROR

System Action: The task invoking the message handler is ended abnormally.

System Programmer Response: Check that the installation process was followed correctly.

QLOP

Explanation: A task has issued more than one API call after they have been returned with completion code MQCC_FAILED and one of the following reason codes:

- MQRC_CONNECTION_BROKEN
- MQRC_CONNECTION_NOT_AUTHORIZED
- MQRC_CONNECTION_STOPPING
- MQRC_Q_MGR_NAME_ERROR
- MQRC_Q_MGR_NOT_AVAILABLE
- MQRC_Q_MGR_STOPPING

Notes:

1. This runaway mechanism can be activated only after the MQSeries CICS adapter has been enabled once (the adapter is enabled if an attempt is made to connect to MQSeries). Before the adapter has been enabled, such a task will loop with completion code set to MQCC_FAILED and reason code MQRC_ADAPTER_NOT_AVAILABLE.
2. The task will end abnormally even if a syncpoint is issued between successive MQI calls.

Module: CSQCTRUE

System Action: The task is ended abnormally.

Programmer Response: Ensure that applications respond to this reason code by abending.

QMGX

Explanation: This abend is issued if invalid data has been returned by a message exit program.

Module: CSQKIMGX

System Action: The transaction abends with this reason code.

System Programmer Response: Refer to the error messages detailing the nature of the error.

QMHO

Explanation: The CICS commarea for the transaction CKMC will exceed its maximum allowable length.

Module: CSQKHELP, CSQKCKMH

System Action: The transaction abends with this reason code.

User Response: Restart the transaction.

System Programmer Response: If the problem occurs again, and the user has not requested more help from within the help panels, check that the group CSQKDQ1 was correctly installed.

Problem Determination: You might find the following items useful in resolving the problem:

- CICS transaction dump output
-

QMHI

Explanation: An internal error has occurred. This might be caused by a storage violation.

Module: CSQKCKMI

System Action: The transaction abends with this reason code.

User Response: Restart the CKMC transaction. If the problem occurs again, contact your system programmer.

System Programmer Response: If the problem occurs again, check that the group CSQKDQ1 was correctly installed, and that the program is not being called by transactions other than CKMC. If you are unable to resolve the problem, collect the following items, and contact your IBM support center:

- CICS transaction dump output
-

QMHI

Explanation: An internal error has occurred. This might be caused by a storage violation.

Module: CSQKCKMI

System Action: The transaction abends with this reason code.

User Response: Restart the CKMC transaction. If the problem occurs again, contact the system programmer.

System Programmer Response: If the problem occurs again, check that the group CSQKDQ1 was correctly installed, and that the program is not being called by transactions other than CKMC. If you are unable to resolve the problem, collect the following items, and contact your IBM support center:

- CICS transaction dump output
-

QMHI

Explanation: An internal error has occurred. This might be caused by a storage violation.

Module: CSQKHELP

System Action: The transaction abends with this reason code.

User Response: Restart the transaction CKMC. If the problem occurs again, contact your system programmer.

System Programmer Response: If the problem occurs again, check that the group CSQKDQ1 was correctly installed, and that the program is not being called by transactions other than CKMC.

If you are unable to resolve the problem, collect the following items, and contact your IBM support center:

- CICS transaction dump output
-

QMHI

Explanation: An internal error has occurred.

Module: CSQKSNDB

User Response: Contact your system programmer.

System Programmer Response: The CICS MCA has attempted to switch to the APPC conversation SEND state and has failed. This might be due to an invalid APPC conversation state change in the system which sent the message or an internal error. If the problem occurs again and you are unable to resolve the problem, collect the following items, and contact your IBM support center:

- A CICS trace of the failure
 - A VTAM trace showing the incoming and outgoing APPC message flows which lead to this error
-

QNST

Explanation: A task has issued an API call that requires task switching, but there are no server subtasks available. This is because the subtasks have not yet started, or were not started successfully. (Message CSQC472I is issued for each subtask started; there should be eight of these.)

Module: CSQCTRUE

System Action: The task is ended abnormally.

This abend can also cause CICS to abend. This happens if either:

- In-doubt units of work are being resolved at connect time. The connection process requires a server subtask to execute the resolutions, so if there are no subtasks available, the process abends with this reason code. This abend during the resynchronization process causes CICS to abend.
- The abend occurs in a program list table (PLT) program.

System Programmer Response: Check the value of the CTHREAD parameter in CSQ6SYSP, and increase it if it is not large enough. If this is not the cause of the problem, investigate why your system is running so slowly that the subtasks have not yet started. See the *MQSeries for OS/390 System Management Guide* for information about setting a value for CTHREAD.

QRCX

Explanation: This abend is issued if invalid data has been returned by a receiver exit program.

Module: CSQKIRCX

System Action: The transaction abends with this reason code.

System Programmer Response: Refer to the error messages detailing the nature of the error.

QSCX

Explanation: This abend is issued if invalid data has been returned by a security exit program.

Module: CSQKISCX, CSQKMSGR

System Action: The transaction abends with this reason code.

System Programmer Response: Refer to the error messages detailing the nature of the error.

QSDX

Explanation: This abend is issued if invalid data has been returned by a sender exit program.

Module: CSQKISDX

System Action: The transaction abends with this reason code.

System Programmer Response: Refer to the error messages detailing the nature of the error.

QTAL

Explanation: CSQCCON had enabled CSQCTRUE with a task area smaller than that needed by CSQCTRUE. This could be due to a mismatch of version level between CSQCCON and CSQCTRUE.

Module: CSQCTRUE

System Action: The task is ended abnormally.

Programmer Response: Check that the versions of CSQCCON and CSQCTRUE are compatible. If you are unable to solve the problem, contact your IBM support center.

Part 4. Appendixes

Appendix A. API completion and reason codes . . .	357	TCPaccess return codes	422
Completion codes	357	APPC/MVS return codes	423
Reason codes	357	APPC return codes	423
		APPC allocate services return codes	426
		APPC reason codes	426
Appendix B. MQSeries component identifiers . . .	415		
Appendix C. MQSeries log services return codes .	417	Appendix E. Distributed queuing message codes .	429
Appendix D. Communications protocol return codes	419	Appendix F. Messages from other products	431
IBM TCP/IP return codes	419	Appendix G. Notices	433
TCP/IP OpenEdition Sockets return codes	419	Programming interface information	434
TCP/IP IUCV return codes	421	Trademarks	434
IUCV IPR codes	422		

Appendix A. API completion and reason codes

For each call, a completion code and a reason code are set, either by the queue manager or by an exit routine, to indicate the success or failure of the call.

For more information about the MQSeries API, see the *MQSeries Application Programming Guide* and the *MQSeries Application Programming Reference* manual.

Completion codes

The following is a list of the completion codes (MQCC) returned by MQSeries:

- 0** Successful completion (MQCC_OK)
The call completed fully; all output parameters have been set.
The *Reason* parameter always has the value MQRC_NONE in this case.
- 1** Warning (partial completion) (MQCC_WARNING)
The call completed partially. Some output parameters might have been set in addition to the *CompCode* and *Reason* output parameters.
The *Reason* parameter gives additional information.

- 2** Call failed (MQCC_FAILED)
The processing of the call did not complete, and the state of the queue manager is normally unchanged; exceptions are specifically noted. Only the *CompCode* and *Reason* output parameters have been set; all other parameters are unchanged.
The reason might be a fault in the application program, or it might be a result of some situation external to the program, for example the application's authority might have been revoked. The *Reason* parameter gives additional information.

Reason codes

The reason code parameter (MQRC) is a qualification to the completion code.

If there is no special reason to report, MQRC_NONE is returned. Typically, a successful call returns MQCC_OK and MQRC_NONE.

If the completion code is either MQCC_WARNING or MQCC_FAILED, the queue manager always reports a qualifying reason.

0	X'000'	MQRC_NONE No reason to report. The call completed normally. The completion code (<i>CompCode</i>) is MQCC_OK. Corrective action: None.
900	X'384'	MQRC_APPL_FIRST Lowest value for an application-defined reason code returned by a data-conversion exit. Data-conversion exits can return reason codes in the range MQRC_APPL_FIRST through MQRC_APPL_LAST to indicate particular conditions that the exit has detected. Corrective action: As defined by the writer of the data-conversion exit.
999	X'3E7'	MQRC_APPL_LAST Highest value for application-defined reason code returned by a data-conversion exit. Data-conversion exits can return reason codes in the range MQRC_APPL_FIRST through MQRC_APPL_LAST to indicate particular conditions that the exit has detected. Corrective action: As defined by the writer of the data-conversion exit.
2001	X'7D1'	MQRC_ALIAS_BASE_Q_TYPE_ERROR Alias base queue not a valid type. An MQOPEN or MQPUT1 call was issued specifying an alias queue as the destination, but the <i>BaseQName</i> in the alias queue definition resolves to a queue that is not a local queue, or local definition of a remote queue. Corrective action: Correct the queue definitions.

MQI return codes

2002	X'7D2'	<p>MQRC_ALREADY_CONNECTED</p> <p>Application already connected.</p> <p>An MQCONN or MQCONNX call was issued, but the application is already connected to the queue manager.</p> <p>On OS/390, this reason code occurs for batch and IMS applications only; it does not occur for CICS applications.</p> <p>Corrective action: None. The <i>Hconn</i> parameter returned has the same value as was returned for the previous MQCONN or MQCONNX call.</p> <p>Note: An MQCONN or MQCONNX call that returns this reason code does <i>not</i> mean that an additional MQDISC call must be issued in order to disconnect from the queue manager. If this reason code is returned because the application (or portion thereof) has been called in a situation where the connect has already been done, a corresponding MQDISC should <i>not</i> be issued, because this will cause the application that issued the original MQCONN or MQCONNX call to be disconnected as well.</p>
2003	X'7D3'	<p>MQRC_BACKED_OUT</p> <p>Unit of work encountered fatal error or backed out.</p> <p>This occurs in the following cases:</p> <ul style="list-style-type: none"> On an MQCMIT or MQDISC call, when the commit operation has failed and the unit of work has been backed out. All protected resources have been returned to their state at the start of the unit of work. The MQCMIT call returns completion code MQCC_FAILED; the MQDISC call returns completion code MQCC_WARNING. On OS/390, this reason code occurs only for batch applications. On an MQGET, MQPUT, or MQPUT1 call that is operating within a unit of work, when the unit of work has already encountered an error that prevents the unit of work being committed (for example, when the log space is exhausted). The application must issue the appropriate call to back out the unit of work. For a unit of work coordinated by the queue manager, this call is the MQBACK call, although the MQCMIT call has the same effect in these circumstances. On OS/390 this case does not occur. <p>On OS/400®, this reason code does not occur.</p> <p>Corrective action: Check the returns from previous calls to the queue manager. For example, a previous MQPUT call might have failed.</p>
2004	X'7D4'	<p>MQRC_BUFFER_ERROR</p> <p>Buffer parameter not valid.</p> <p>The <i>Buffer</i> parameter is not valid for one of the following reasons:</p> <ul style="list-style-type: none"> The parameter pointer is not valid. (It is not always possible to detect parameter pointers that are not valid; if not detected, unpredictable results occur.) The parameter pointer points to storage that cannot be accessed for the entire length specified by <i>BufferLength</i>. For calls where <i>Buffer</i> is an output parameter: the parameter pointer points to read-only storage. <p>Corrective action: Correct the parameter.</p>
2005	X'7D5'	<p>MQRC_BUFFER_LENGTH_ERROR</p> <p>Buffer length parameter not valid.</p> <p>The <i>BufferLength</i> parameter is not valid, or the parameter pointer is not valid. (It is not always possible to detect parameter pointers that are not valid; if not detected, unpredictable results occur.)</p> <p>This reason can also be returned to an MQ client program on the MQCONN or MQCONNX call if the negotiated maximum message size for the channel is smaller than the fixed part of any call structure.</p> <p>Corrective action: Specify a value that is zero or greater. For the mqAddString and mqSetString calls, the special value MQBL_NULL_TERMINATED is also valid.</p>
2006	X'7D6'	<p>MQRC_CHAR_ATTR_LENGTH_ERROR</p> <p>Length of character attributes not valid.</p> <p><i>CharAttrLength</i> is negative (for MQINQ or MQSET calls), or is not large enough to hold all selected attributes (MQSET calls only). This reason also occurs if the parameter pointer is not valid. (It is not always possible to detect parameter pointers that are not valid; if not detected, unpredictable results occur.)</p> <p>Corrective action: Specify a value large enough to hold the concatenated strings for all selected attributes.</p>

2007	X'7D7'	<p>MQRC_CHAR_ATTRS_ERROR</p> <p>Character attributes string not valid.</p> <p><i>CharAttrs</i> is not valid. The parameter pointer is not valid, or points to read-only storage for MQINQ calls or to storage that is not as long as implied by <i>CharAttrLength</i>. (It is not always possible to detect parameter pointers that are not valid; if not detected, unpredictable results occur.)</p> <p>Corrective action: Correct the parameter.</p>
2008	X'7D8'	<p>MQRC_CHAR_ATTRS_TOO_SHORT</p> <p>Not enough space allowed for character attributes.</p> <p>For MQINQ calls, <i>CharAttrLength</i> is not large enough to contain all of the character attributes for which MQCA_* selectors are specified in the <i>Selectors</i> parameter.</p> <p>The call still completes, with the <i>CharAttrs</i> parameter string filled in with as many character attributes as there is room for. Only complete attribute strings are returned: if there is insufficient space remaining to accommodate an attribute in its entirety, that attribute and subsequent character attributes are omitted. Any space at the end of the string not used to hold an attribute is unchanged.</p> <p>An attribute that represents a set of values (for example, the <i>Names</i> attribute) is treated as a single entity—either all of its values are returned, or none.</p> <p>Corrective action: Specify a large enough value, unless only a subset of the values is needed.</p>
2009	X'7D9'	<p>MQRC_CONNECTION_BROKEN</p> <p>Connection to queue manager lost.</p> <p>Connection to the queue manager has been lost. This can occur because the queue manager has ended. If the call is an MQGET call with the MQGMO_WAIT option, the wait has been canceled.</p> <p>If this reason occurs with MQCONN, the queue manager might have been stopped and restarted, and now be available again. All previous handles are now invalid, but the application can attempt to reestablish connection by issuing MQCONN again.</p> <p>Note that for MQ client applications it is possible that the call did complete successfully, even though this reason code is returned with a <i>CompCode</i> of MQCC_FAILED.</p> <p>Corrective action: Applications can attempt to reestablish connection by issuing the MQCONN call. It might be necessary to poll until a successful response is received.</p> <p>On OS/390, for CICS applications, it is not necessary to issue the MQCONN call, because CICS applications are connected automatically.</p> <p>Applications should ensure that any uncommitted updates are backed out. Any unit of work that is coordinated by the queue manager is backed out automatically.</p>
2010	X'7DA'	<p>MQRC_DATA_LENGTH_ERROR</p> <p>Data length parameter not valid.</p> <p>The <i>DataLength</i> parameter is not valid. Either the parameter pointer is not valid, or it points to read-only storage. (It is not always possible to detect parameter pointers that are not valid; if not detected, unpredictable results occur.)</p> <p>This reason can also be returned to an MQ client program that is putting and getting messages, if the application message data is longer than the negotiated maximum message size for the channel.</p> <p>Corrective action: Correct the parameter.</p> <p>If the error occurs for an MQ client program, also check that the maximum message size for the channel is big enough to accommodate the message being sent; if it is not big enough, increase the maximum message size for the channel.</p>
2011	X'7DB'	<p>MQRC_DYNAMIC_Q_NAME_ERROR</p> <p>Name of dynamic queue not valid.</p> <p>On the MQOPEN call, a model queue is specified in the <i>ObjectName</i> field of the <i>ObjDesc</i> parameter, but the <i>DynamicQName</i> field is not valid, for one of the following reasons:</p> <ul style="list-style-type: none"> • Characters are present that are not valid for a queue name. • An asterisk is present beyond the 33rd position (and before any null character). • An asterisk is present followed by characters which are not null and not blank. <p>Corrective action: Specify a valid name.</p>

MQI return codes

2012	X'7DC'	<p>MQRC_ENVIRONMENT_ERROR</p> <p>Call not valid in environment.</p> <p>The call is not valid for the current environment.</p> <ul style="list-style-type: none"> • On OS/390, one of the following applies: <ul style="list-style-type: none"> – An MQCONN call was issued, but the application had been linked with an adapter that is not supported in the environment in which the application is running. For example, this can arise when the application is linked with the MQ RRS adapter, but the application is running in a DB/2 Stored Procedure address space. RRS is not supported in this environment. Stored Procedures wishing to use the MQ RRS adapter must run in a DB/2 WLM-managed Stored Procedure address space. – An MQCMIT or MQBACK call was issued in the CICS or IMS environment. • On Digital OpenVMS, OS/2 Warp, Tandem NSK, UNIX platforms, and Windows NT, one of the following applies: <ul style="list-style-type: none"> – The application is linked to the wrong libraries (threaded or nonthreaded). – An MQBEGIN, MQCMIT, or MQBACK call was issued, but an external unit-of-work manager is in use or the queue manager does not support units of work. – The MQBEGIN call was issued in an MQ client environment. • On OS/400, this reason code does not occur. <p>Corrective action: Do one of the following (as appropriate):</p> <p>On OS/390:</p> <ul style="list-style-type: none"> • Link the application with the correct adapter. • For a CICS or IMS application, issue the appropriate CICS or IMS call to commit or backout the unit of work. <p>In the other environments:</p> <ul style="list-style-type: none"> • Link the application with the correct libraries (threaded or nonthreaded). • Remove from the application the call that is not supported.
2013	X'7DD'	<p>MQRC_EXPIRY_ERROR</p> <p>Expiry time not valid.</p> <p>On an MQPUT or MQPUT1 call, the value specified for the <i>Expiry</i> field in the message descriptor MQMD is not valid.</p> <p>Corrective action: Specify a value which is greater than zero, or the special value MQEI_UNLIMITED.</p>
2014	X'7DE'	<p>MQRC_FEEDBACK_ERROR</p> <p>Feedback code not valid.</p> <p>On an MQPUT or MQPUT1 call, the value specified for the <i>Feedback</i> field in the message descriptor MQMD is not valid. The value is outside both the range defined for system feedback codes and that defined for application feedback codes.</p> <p>Corrective action: Specify a value in the range MQFB_SYSTEM_FIRST through MQFB_SYSTEM_LAST, or MQFB_APPL_FIRST through MQFB_APPL_LAST.</p>
2016	X'7E0'	<p>MQRC_GET_INHIBITED</p> <p>Gets inhibited for the queue.</p> <p>MQGET calls are currently inhibited for the queue.</p> <p>Corrective action: If the system design allows get requests to be inhibited for short periods, retry the operation later.</p>
2017	X'7E1'	<p>MQRC_HANDLE_NOT_AVAILABLE</p> <p>No more handles available.</p> <p>An MQOPEN or MQPUT1 call was issued, but the maximum number of open handles allowed for the current task has already been reached. Be aware that when a distribution list is specified on the MQOPEN or MQPUT1 call, each queue in the distribution list uses one handle.</p> <p>On OS/390, "task" means a CICS task, an MVS task, or an IMS-dependent region.</p> <p>Corrective action: Check whether the application is issuing MQOPEN calls without corresponding MQCLOSE calls. If it is, modify the application to issue the MQCLOSE call for each open object as soon as that object is no longer needed.</p> <p>Also check whether the application is specifying a distribution list containing a large number of queues that are consuming all of the available handles. If it is, increase the maximum number of handles that the task can use, or reduce the size of the distribution list. The maximum number of open handles that a task can use is given by the <i>MaxHandles</i> queue manager attribute.</p>

2018	X'7E2'	<p>MQRC_HCONN_ERROR</p> <p>Connection handle not valid.</p> <p>The connection handle <i>Hconn</i> is not valid. This reason also occurs if the parameter pointer is not valid, or (for the MQCONN or MQCONNX call) points to read-only storage. (It is not always possible to detect parameter pointers that are not valid; if not detected, unpredictable results occur.)</p> <p>Corrective action: Ensure that a successful MQCONN or MQCONNX call is performed for the queue manager, and that an MQDISC call has not already been performed for it. Ensure that the handle is being used within its valid scope.</p> <p>On OS/390, also check that the application has been linked with the correct stub; this is CSQCSTUB for CICS applications, CSQBSTUB for batch applications, and CSQQSTUB for IMS applications. Also, the stub used must not belong to a release of MQSeries which is more recent than the release on which the application will run.</p>
2019	X'7E3'	<p>MQRC_HOBJ_ERROR</p> <p>Object handle not valid.</p> <p>The object handle <i>Hobj</i> is not valid. This reason also occurs if the parameter pointer is not valid, or (for the MQOPEN call) points to read-only storage. (It is not always possible to detect parameter pointers that are not valid; if not detected, unpredictable results occur.)</p> <p>Corrective action: Ensure that a successful MQOPEN call is performed for this object, and that an MQCLOSE call has not already been performed for it. For MQGET and MQPUT calls, also ensure that the handle represents a queue object. Ensure that the handle is being used within its valid scope.</p>
2020	X'7E4'	<p>MQRC_INHIBIT_VALUE_ERROR</p> <p>Value for inhibit-get or inhibit-put queue attribute not valid.</p> <p>On an MQSET call, the value specified for either the MQIA_INHIBIT_GET attribute or the MQIA_INHIBIT_PUT attribute is not valid.</p> <p>Corrective action: Specify a valid value.</p>
2021	X'7E5'	<p>MQRC_INT_ATTR_COUNT_ERROR</p> <p>Count of integer attributes not valid.</p> <p>On an MQINQ or MQSET call, the <i>IntAttrCount</i> parameter is negative (MQINQ or MQSET), or smaller than the number of integer attribute selectors (MQIA_*) specified in the <i>Selectors</i> parameter (MQSET only). This reason also occurs if the parameter pointer is not valid. (It is not always possible to detect parameter pointers that are not valid; if not detected, unpredictable results occur.)</p> <p>Corrective action: Specify a value large enough for all selected integer attributes.</p>
2022	X'7E6'	<p>MQRC_INT_ATTR_COUNT_TOO_SMALL</p> <p>Not enough space allowed for integer attributes.</p> <p>On an MQINQ call, the <i>IntAttrCount</i> parameter is smaller than the number of integer attribute selectors (MQIA_*) specified in the <i>Selectors</i> parameter.</p> <p>The call completes with MQCC_WARNING, with the <i>IntAttrs</i> array filled in with as many integer attributes as there is room for.</p> <p>Corrective action: Specify a large enough value, unless only a subset of the values is needed.</p>
2023	X'7E7'	<p>MQRC_INT_ATTRS_ARRAY_ERROR</p> <p>Integer attributes array not valid.</p> <p>On an MQINQ or MQSET call, the <i>IntAttrs</i> parameter is not valid. The parameter pointer is not valid (MQINQ and MQSET), or points to read-only storage or to storage that is not as long as indicated by the <i>IntAttrCount</i> parameter (MQINQ only). (It is not always possible to detect parameter pointers that are not valid; if not detected, unpredictable results occur.)</p> <p>Corrective action: Correct the parameter.</p>

MQI return codes

2024	X'7E8'	<p>MQRC_SYNCPOINT_LIMIT_REACHED</p> <p>No more messages can be handled within current unit of work.</p> <p>An MQGET, MQPUT, or MQPUT1 call failed because it would have caused the number of uncommitted messages in the current unit of work to exceed the limit defined for the queue manager (see the <i>MaxUncommittedMsgs</i> queue-manager attribute). The number of uncommitted messages is the sum of the following since the start of the current unit of work:</p> <ul style="list-style-type: none"> • Messages put by the application with the MQPMO_SYNCPOINT option • Messages retrieved by the application with the MQGMO_SYNCPOINT option • Trigger messages and COA report messages generated by the queue manager for messages put with the MQPMO_SYNCPOINT option • COD report messages generated by the queue manager for messages retrieved with the MQGMO_SYNCPOINT option <p>On Tandem NSK, this reason code occurs when the maximum number of I/O operations in a single TM/MP transaction has been exceeded.</p> <p>Corrective action: Check whether the application is looping. If it is not, consider reducing the complexity of the application. Alternatively, increase the queue-manager limit for the maximum number of uncommitted messages within a unit of work.</p> <ul style="list-style-type: none"> • On OS/390, the limit for the maximum number of uncommitted messages can be changed by using the DEFINE MAXSMSGS command. • On OS/400, the limit for the maximum number of uncommitted messages can be changed by using the CHGMQM command. • On Tandem NSK, the application should cancel the transaction and retry with a smaller number of operations in the unit of work. See the <i>MQSeries for Tandem NonStop Kernel System Management Guide</i> for more details.
2025	X'7E9'	<p>MQRC_MAX_CONNS_LIMIT_REACHED</p> <p>Maximum number of connections reached.</p> <p>The MQCONN or MQCONNX call was rejected because the maximum number of concurrent connections has been exceeded.</p> <ul style="list-style-type: none"> • On OS/390, connection limits are applicable only to TSO and batch requests. The limits are determined by the customer using the following parameters of the CSQ6SYSP macro: <ul style="list-style-type: none"> – For TSO, IDFORE – For batch, IDBACK <p>For more information, see the <i>MQSeries for OS/390 System Management Guide</i>.</p> <ul style="list-style-type: none"> • On Digital OpenVMS, OS/2 Warp, Tandem NSK, UNIX platforms, and Windows NT, this reason code can also occur on the MQOPEN call. • On OS/400, this reason code does not occur. <p>Corrective Action: Either increase the size of the appropriate install parameter value, or reduce the number of concurrent connections.</p>
2026	X'7EA'	<p>MQRC_MD_ERROR</p> <p>Message descriptor not valid.</p> <p>MQMD structure is not valid. Either the <i>StrucId</i> mnemonic eye-catcher is not valid, or the <i>Version</i> is not recognized.</p> <p>This reason also occurs if:</p> <ul style="list-style-type: none"> • The parameter pointer is not valid. (It is not always possible to detect parameter pointers that are not valid; if not detected, unpredictable results occur.) • The queue manager cannot copy the changed structure to application storage, even though the call is successful. This can occur, for example, if the pointer points to read-only storage. <p>Corrective action: Correct the definition of the message descriptor. Ensure that required input fields are correctly set.</p>

2027	X'7EB'	<p>MQRC_MISSING_REPLY_TO_Q</p> <p>Missing reply-to queue.</p> <p>On an MQPUT or MQPUT1 call, the <i>ReplyToQ</i> field in the message descriptor MQMD is blank, but one or both of the following is true:</p> <ul style="list-style-type: none"> • A reply was requested (that is, MQMT_REQUEST was specified in the <i>MsgType</i> field of the message descriptor). • A report message was requested in the <i>Report</i> field of the message descriptor. <p>Corrective action: Specify the name of the queue to which the reply message or report message is to be sent.</p>
2029	X'7ED'	<p>MQRC_MSG_TYPE_ERROR</p> <p>Message type in message descriptor not valid.</p> <p>On an MQPUT or MQPUT1 call, the value specified for the <i>MsgType</i> field in the message descriptor (MQMD) is not valid.</p> <p>Corrective action: Specify a valid value.</p>
2030	X'7EE'	<p>MQRC_MSG_TOO_BIG_FOR_Q</p> <p>Message length greater than maximum for queue.</p> <p>An MQPUT or MQPUT1 call was issued to put a message on a queue, but the message was too long for the queue and MQMF_SEGMENTATION_ALLOWED was not specified in the <i>MsgFlags</i> field in MQMD. If segmentation is not allowed, the length of the message cannot exceed the lesser of the queue and queue-manager <i>MaxMsgLength</i> attributes.</p> <p>This reason code can also occur when MQMF_SEGMENTATION_ALLOWED <i>is</i> specified, but the nature of the data present in the message prevents the queue manager splitting it into segments that are small enough to place on the queue:</p> <ul style="list-style-type: none"> • For a user-defined format, the smallest segment that the queue manager can create is 16 bytes. • For a built-in format, the smallest segment that the queue manager can create depends on the particular format, but is greater than 16 bytes in all cases other than MQFMT_STRING (for MQFMT_STRING the minimum segment size is 16 bytes). <p>MQRC_MSG_TOO_BIG_FOR_Q can also occur in the <i>Feedback</i> field in the message descriptor of a report message; in this case it indicates that the error was encountered by a message channel agent when it attempted to put the message on a remote queue.</p> <p>Corrective action: Check whether the <i>BufferLength</i> parameter is specified correctly; if it is, do one of the following:</p> <ul style="list-style-type: none"> • Increase the value of the queue's <i>MaxMsgLength</i> attribute; the queue-manager's <i>MaxMsgLength</i> attribute might also need increasing. • Break the message into several smaller messages. • Specify MQMF_SEGMENTATION_ALLOWED in the <i>MsgFlags</i> field in MQMD; this will allow the queue manager to break the message into segments.

MQI return codes

2031	X'7EF'	<p>MQRC_MSG_TOO_BIG_FOR_Q_MGR</p> <p>Message length greater than maximum for queue manager.</p> <p>An MQPUT or MQPUT1 call was issued to put a message on a queue, but the message was too long for the queue manager and MQMF_SEGMENTATION_ALLOWED was not specified in the <i>MsgFlags</i> field in MQMD. If segmentation is not allowed, the length of the message cannot exceed the lesser of the queue and queue-manager <i>MaxMsgLength</i> attributes.</p> <p>This reason code can also occur when MQMF_SEGMENTATION_ALLOWED is specified, but the nature of the data present in the message prevents the queue manager splitting it into segments that are small enough for the queue-manager limit:</p> <ul style="list-style-type: none">• For a user-defined format, the smallest segment that the queue manager can create is 16 bytes.• For a built-in format, the smallest segment that the queue manager can create depends on the particular format, but is greater than 16 bytes in all cases other than MQFMT_STRING (for MQFMT_STRING the minimum segment size is 16 bytes). <p>MQRC_MSG_TOO_BIG_FOR_Q_MGR can also occur in the <i>Feedback</i> field in the message descriptor of a report message; in this case it indicates that the error was encountered by a message channel agent when it attempted to put the message on a remote queue.</p> <p>This reason also occurs if a channel, through which the message is to pass, has restricted the maximum message length to a value that is actually less than that supported by the queue manager, and the message length is greater than this value.</p> <p>On OS/390, this return code is issued only if you are using CICS for distributed queuing. Otherwise, MQRC_MSG_TOO_BIG_FOR_CHANNEL is issued.</p> <p>Corrective action: Check whether the <i>BufferLength</i> parameter is specified correctly; if it is, do one of the following:</p> <ul style="list-style-type: none">• Increase the value of the queue-manager's <i>MaxMsgLength</i> attribute; the queue's <i>MaxMsgLength</i> attribute might also need increasing.• Break the message into several smaller messages.• Specify MQMF_SEGMENTATION_ALLOWED in the <i>MsgFlags</i> field in MQMD; this will allow the queue manager to break the message into segments.• Check the channel definitions.
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2033	X'7F1'	<p>MQRC_NO_MSG_AVAILABLE</p> <p>No message available.</p> <p>An MQGET call was issued, but there is no message on the queue satisfying the selection criteria specified in MQMD (the <i>MsgId</i> and <i>CorrelId</i> fields), and in MQGMO (the <i>Options</i> and <i>MatchOptions</i> fields). Either the MQGMO_WAIT option was not specified, or the time interval specified by the <i>WaitInterval</i> field in MQGMO has expired. This reason is also returned for an MQGET call for browse, when the end of the queue has been reached.</p> <p>This reason code can also be returned by the mqGetBag and mqExecute calls. mqGetBag is similar to MQGET. For the mqExecute call, the completion code can be either MQCC_WARNING or MQCC_FAILED:</p> <ul style="list-style-type: none"> • If the completion code is MQCC_WARNING, some response messages were received during the specified wait interval, but not all. The response bag contains system-generated nested bags for the messages that were received. • If the completion code is MQCC_FAILED, no response messages were received during the specified wait interval. <p>Corrective action: If this is an expected condition, no corrective action is required.</p> <p>If this is an unexpected condition, check whether the message was put on the queue successfully, and whether the options controlling the selection criteria are specified correctly. All of the following can affect the eligibility of a message for return on the MQGET call:</p> <p>MQGMO_LOGICAL_ORDER MQGMO_ALL_MSGS_AVAILABLE MQGMO_ALL_SEGMENTS_AVAILABLE MQGMO_COMPLETE_MSG MQMO_MATCH_MSG_ID MQMO_MATCH_CORREL_ID MQMO_MATCH_GROUP_ID MQMO_MATCH_MSG_SEQ_NUMBER MQMO_MATCH_OFFSET <i>MsgId</i> field <i>CorrelId</i> field</p> <p>Consider waiting longer for the message.</p>
2034	X'7F2'	<p>MQRC_NO_MSG_UNDER_CURSOR</p> <p>Browse cursor not positioned on message.</p> <p>An MQGET call was issued with either the MQGMO_MSG_UNDER_CURSOR or the MQGMO_BROWSE_MSG_UNDER_CURSOR option. However, the browse cursor is not positioned at a retrievable message. This is caused by one of the following:</p> <ul style="list-style-type: none"> • The cursor is positioned logically before the first message (as it is before the first MQGET call with a browse option has been successfully performed), or • The message the browse cursor was positioned on has been locked or removed from the queue (probably by some other application) since the browse operation was performed. • The message the browse cursor was positioned on has expired. <p>Corrective action: Check the application logic. This might be an expected reason if the application design allows multiple servers to compete for messages after browsing. Consider also using the MQGMO_LOCK option with the preceding browse MQGET call.</p>

MQI return codes

2035	X'7F3'	<p>MQRC_NOT_AUTHORIZED</p> <p>Not authorized for access.</p> <p>The user is not authorized to perform the operation attempted:</p> <ul style="list-style-type: none"> • On an MQCONN or MQCONNX call, the user is not authorized to connect to the queue manager. On OS/390, for CICS applications, MQRC_CONNECTION_NOT_AUTHORIZED is issued instead. • On an MQOPEN or MQPUT1 call, the user is not authorized to open the object for the option(s) specified. On OS/390, if the object being opened is a model queue, this reason also arises if the user is not authorized to create a dynamic queue with the required name. • On an MQCLOSE call, the user is not authorized to delete the object, which is a permanent dynamic queue, and the <i>Hobj</i> parameter specified on the MQCLOSE call is not the handle returned by the MQOPEN call that created the queue. <p>This reason code can also occur in the <i>Feedback</i> field in the message descriptor of a report message; in this case it indicates that the error was encountered by a message channel agent when it attempted to put the message on a remote queue.</p> <p>Corrective action: Ensure that the correct queue manager or object was specified, and that appropriate authority exists.</p> <p>On OS/390, to determine for which object you are not authorized, you can use the violation messages issued by the External Security Manager.</p>
2036	X'7F4'	<p>MQRC_OBJECT_CHANGED</p> <p>Queue not open for browse.</p> <p>An MQGET call was issued with one of the following options:</p> <p style="padding-left: 20px;">MQGMO_BROWSE_FIRST MQGMO_BROWSE_NEXT MQGMO_BROWSE_MSG_UNDER_CURSOR MQGMO_MSG_UNDER_CURSOR</p> <p>but the queue had not been opened for browse.</p> <p>Corrective action: Specify MQOO_BROWSE when the queue is opened.</p>
2037	X'7F5'	<p>MQRC_NOT_OPEN_FOR_BROWSE</p> <p>Queue not open for input.</p> <p>An MQGET call was issued to retrieve a message from a queue, but the queue had not been opened for input.</p> <p>Corrective action: Specify one of the following when the queue is opened:</p> <p style="padding-left: 20px;">MQOO_INPUT_SHARED MQOO_INPUT_EXCLUSIVE MQOO_INPUT_AS_Q_DEF</p>
2038	X'7F6'	<p>MQRC_NOT_OPEN_FOR_INPUT</p> <p>Queue not open for inquire.</p> <p>An MQINQ call was issued to inquire object attributes, but the object had not been opened for inquire.</p> <p>Corrective action: Specify MQOO_INQUIRE when the object is opened.</p>
2039	X'7F7'	<p>MQRC_NOT_OPEN_FOR_INQUIRE</p> <p>Queue not open for output.</p> <p>An MQPUT call was issued to put a message on a queue, but the queue had not been opened for output.</p> <p>Corrective action: Specify MQOO_OUTPUT when the queue is opened.</p>
2040	X'7F8'	<p>MQRC_NOT_OPEN_FOR_OUTPUT</p> <p>Queue not open for set.</p> <p>An MQSET call was issued to set queue attributes, but the queue had not been opened for set.</p> <p>Corrective action: Specify MQOO_SET when the object is opened.</p>

2041	X'7F9'	<p>MQRC_NOT_OPEN_FOR_SET</p> <p>Object definition changed since opened.</p> <p>Since the <i>Hobj</i> handle used on this call was returned by the MQOPEN call, object definitions that affect this object have been changed.</p> <p>This reason does not occur if the object handle is specified in the <i>Context</i> field of the <i>PutMsgOpts</i> parameter on the MQPUT or MQPUT1 call.</p> <p>Corrective action: Issue an MQCLOSE call to return the handle to the system. It is then usually sufficient to reopen the object and retry the operation. However, if the object definitions are critical to the application logic, an MQINQ call can be used after reopening the object, to find out what has changed.</p>
2042	X'7FA'	<p>MQRC_OBJECT_IN_USE</p> <p>Object already open with conflicting options.</p> <p>An MQOPEN call was issued, but the object in question has already been opened by this or another application with options that conflict with those specified in the <i>Options</i> parameter. This arises if the request is for shared input, but the object is already open for exclusive input; it also arises if the request is for exclusive input, but the object is already open for input (of any sort).</p> <p>Note: MCAs for receiver channels might keep the destination queues open even when messages are not being transmitted; this results in the queues appearing to be “in use.”</p> <p>On OS/390, this reason can also occur for an MQOPEN or MQPUT1 call, if the object to be opened (which can be a queue, or for MQOPEN a namelist or process object) is in the process of being deleted.</p> <p>Corrective action: System design should specify whether an application is to wait and retry, or take other action.</p>
2043	X'7FB'	<p>MQRC_OBJECT_TYPE_ERROR</p> <p>Object type not valid.</p> <p>On the MQOPEN or MQPUT1 call, the <i>ObjectType</i> field in the object descriptor MQOD specifies a value which is not valid. For the MQPUT1 call, the object type must be MQOT_Q.</p> <p>Corrective action: Specify a valid object type.</p>
2044	X'7FC'	<p>MQRC_OD_ERROR</p> <p>Object descriptor structure not valid.</p> <p>On the MQOPEN or MQPUT1 call, the object descriptor MQOD is not valid. Either the <i>StrucId</i> mnemonic eye-catcher is not valid, or the <i>Version</i> is not recognized.</p> <p>This reason also occurs if:</p> <ul style="list-style-type: none"> • The parameter pointer is not valid. (It is not always possible to detect parameter pointers that are not valid; if not detected, unpredictable results occur.) • The queue manager cannot copy the changed structure to application storage, even though the call is successful. This can occur, for example, if the pointer points to read-only storage. <p>Corrective action: Correct the definition of the object descriptor. Ensure that required input fields are set correctly.</p>

MQI return codes

2045	X'7FD'	<p>MQRC_OPTION_NOT_VALID_FOR_TYPE</p> <p>Option not valid for object type.</p> <p>On an MQOPEN or MQCLOSE call, an option is specified that is not valid for the type of object or queue being opened or closed.</p> <p>For the MQOPEN call, this includes the following cases:</p> <ul style="list-style-type: none"> • An option that is inappropriate for the object type (for example, MQOO_OUTPUT for an MQOT_PROCESS object). • An option that is unsupported for the queue type (for example, MQOO_INQUIRE for a remote queue that has no local definition). • One or more of the following options: <ul style="list-style-type: none"> MQOO_INPUT_AS_Q_DEF MQOO_INPUT_SHARED MQOO_INPUT_EXCLUSIVE MQOO_BROWSE MQOO_INQUIRE MQOO_SET <p>when either:</p> <ul style="list-style-type: none"> – the queue name is resolved through a cell directory, or – <i>ObjectQMGrName</i> in the object descriptor specifies the name of a local definition of a remote queue (in order to specify a queue-manager alias), and the queue named in the <i>RemoteQMGrName</i> attribute of the definition is the name of the local queue manager. <p>For the MQCLOSE call, this includes the following case:</p> <ul style="list-style-type: none"> • The MQCO_DELETE or MQCO_DELETE_PURGE option when the queue is not a dynamic queue. <p>This reason code can also occur on the MQOPEN call when the object being opened is of type MQOT_NAMELIST, MQOT_PROCESS, or MQOT_Q_MGR, but the <i>ObjectQMGrName</i> field in MQOD is neither blank nor the name of the local queue manager.</p> <p>Corrective action: Specify the correct option; see the <i>MQSeries Application Programming Reference</i> for more information. For the MQOPEN call, ensure that the <i>ObjectQMGrName</i> field is set correctly. For the MQCLOSE call, either correct the option or change the definition type of the model queue that is used to create the new queue.</p>
2046	X'7FE'	<p>MQRC_OPTIONS_ERROR</p> <p>Options not valid or not consistent.</p> <p>The <i>Options</i> parameter or field contains options that are not valid, or a combination of options that is not valid.</p> <ul style="list-style-type: none"> • For the MQOPEN, MQCLOSE, MQXCNVC, mqBagToBuffer, mqBufferToBag, mqCreateBag, and mqExecute calls, <i>Options</i> is a separate parameter on the call. <p>This reason also occurs if the parameter pointer is not valid. (It is not always possible to detect parameter pointers that are not valid; if not detected, unpredictable results occur.)</p> <ul style="list-style-type: none"> • For the MQBEGIN, MQCONN, MQGET, MQPUT, and MQPUT1 calls, <i>Options</i> is a field in the relevant options structure (MQBO, MQCNO, MQGMO, or MQPMO). <p>Corrective action: Specify valid options. Check the description of the <i>Options</i> parameter or field to determine which options and combinations of options are valid. If multiple options are being set by adding the individual options together, ensure that the same option is not added twice.</p>
2047	X'7FF'	<p>MQRC_PERSISTENCE_ERROR</p> <p>Persistence not valid.</p> <p>On an MQPUT or MQPUT1 call, the value specified for the <i>Persistence</i> field in the message descriptor MQMD is not valid.</p> <p>Corrective action: Specify one of the following values:</p> <ul style="list-style-type: none"> MQPER_PERSISTENT MQPER_NOT_PERSISTENT MQPER_PERSISTENCE_AS_Q_DEF

2048	X'800'	<p>MQRC_PERSISTENT_NOT_ALLOWED</p> <p>Message on a temporary dynamic queue cannot be persistent.</p> <p>On an MQPUT or MQPUT1 call, the value specified for the <i>Persistence</i> field in the message descriptor MQMD specifies MQPER_PERSISTENT, but the queue on which the message is being placed is a temporary dynamic queue. Persistent messages cannot be put on temporary queues.</p> <p>This reason code can also occur in the <i>Feedback</i> field in the message descriptor of a report message; in this case it indicates that the error was encountered by a message channel agent when it attempted to put the message on a remote queue.</p> <p>Corrective action: Specify MQPER_NOT_PERSISTENT if the message is to be placed on a temporary dynamic queue. If persistence is required, use a permanent dynamic queue, or a predefined queue.</p> <p>Be aware that server applications are recommended to send reply messages (message type MQMT_REPLY) with the same persistence as the original request message (message type MQMT_REQUEST). If the request message is persistent, the reply queue specified in the <i>ReplyToQ</i> field in the message descriptor MQMD cannot be a temporary dynamic queue; a permanent dynamic or predefined queue must be used as the reply queue in this situation.</p>
2049	X'801'	<p>MQRC_PRIORITY_EXCEEDS_MAXIMUM</p> <p>Message Priority exceeds maximum value supported.</p> <p>On an MQPUT or MQPUT1 call, the value of the <i>Priority</i> field in the message descriptor MQMD exceeds the maximum priority supported by the local queue manager. The message is accepted by the queue manager, but is placed on the queue at the queue manager's maximum priority. The <i>Priority</i> field in the message descriptor retains the value specified by the application that put the message.</p> <p>Corrective action: None required, unless this reason code was not expected by the application that put the message.</p>
2050	X'802'	<p>MQRC_PRIORITY_ERROR</p> <p>Message priority not valid.</p> <p>On an MQPUT or MQPUT1 call, the value of the <i>Priority</i> field in the message descriptor MQMD is not valid.</p> <p>Corrective action: Specify a value which is zero or greater, or the special value MQPRI_PRIORITY_AS_Q_DEF.</p> <p>On OS/390, specify a value in the range 0 through <i>MaxPriority</i> or the special value MQPRI_PRIORITY_AS_Q_DEF.</p>
2051	X'803'	<p>MQRC_PUT_INHIBITED</p> <p>Put calls inhibited for the queue.</p> <p>MQPUT and MQPUT1 calls are currently inhibited for the queue.</p> <p>This reason code can also occur in the <i>Feedback</i> field in the message descriptor of a report message; in this case it indicates that the error was encountered by a message channel agent when it attempted to put the message on a remote queue.</p> <p>Corrective action: If the system design allows put requests to be inhibited for short periods, retry the operation later.</p>
2052	X'804'	<p>MQRC_Q_DELETED</p> <p>Queue has been deleted.</p> <p>An <i>Hobj</i> queue handle specified on a call refers to a dynamic queue that has been deleted since the queue was opened.</p> <p>On OS/390, this can also occur with the MQOPEN and MQPUT1 calls if a dynamic queue is being opened, but the queue is in a logically-deleted state. See MQCLOSE for more information about this.</p> <p>Corrective action: Issue an MQCLOSE call to return the handle and associated resources to the system (the MQCLOSE call will succeed in this case). Check the design of the application that caused the error.</p>
2053	X'805'	<p>MQRC_Q_FULL</p> <p>Queue already contains maximum number of messages.</p> <p>On an MQPUT or MQPUT1 call, the call failed because the queue is full, that is, it already contains the maximum number of messages possible.</p> <p>This reason code can also occur in the <i>Feedback</i> field in the message descriptor of a report message; in this case it indicates that the error was encountered by a message channel agent when it attempted to put the message on a remote queue.</p> <p>Corrective action: Retry the operation later. Consider increasing the maximum depth for this queue, or arranging for more instances of the application to service the queue.</p>

MQI return codes

2055	X'807'	<p>MQRC_Q_NOT_EMPTY</p> <p>Queue contains one or more messages or uncommitted put or get requests.</p> <p>An MQCLOSE call was issued for a permanent dynamic queue, with either:</p> <ul style="list-style-type: none"> • The MQCO_DELETE option specified, but there are messages still on the queue, or • The MQCO_DELETE or MQCO_DELETE_PURGE option specified, but there are uncommitted get or put calls outstanding against the queue. <p>See the usage notes pertaining to dynamic queues for the MQCLOSE call for more information.</p> <p>This reason code is also returned from a Programmable Command Format (PCF) command to clear or delete a queue, if the queue contains uncommitted messages (or committed messages in the case of delete queue without the purge option).</p> <p>Corrective action: Check why there might be messages on the queue. Be aware that the <i>CurrentQDepth</i> local-queue attribute might be zero even though there are one or more messages on the queue; this can happen if the messages have been retrieved as part of a unit of work which has not yet been committed. If the messages can be discarded, try using the MQCLOSE call with the MQCO_DELETE_PURGE option. Consider retrying the call later.</p>
2056	X'808'	<p>MQRC_Q_SPACE_NOT_AVAILABLE</p> <p>No space available on disk for queue.</p> <p>An MQPUT or MQPUT1 call was issued, but there is no space available for the queue on disk or other storage device.</p> <p>This reason code can also occur in the <i>Feedback</i> field in the message descriptor of a report message; in this case it indicates that the error was encountered by a message channel agent when it attempted to put the message on a remote queue.</p> <p>On OS/390, this reason code does not occur.</p> <p>Corrective action: Check whether an application is putting messages in an infinite loop. If not, make more disk space available for the queue.</p> <p>On OS/400, the space available for a queue is limited to 320 MB. If this limit has been reached, consider redesigning the application to reduce the number or size of messages on a single queue, or start more server instances.</p>
2057	X'809'	<p>MQRC_Q_TYPE_ERROR</p> <p>Queue type not valid.</p> <p>One of the following occurred:</p> <ul style="list-style-type: none"> • On an MQOPEN call, the <i>ObjectQMGrName</i> field in the object descriptor MQOD or object record MQOR specifies the name of a local definition of a remote queue (in order to specify a queue-manager alias), and in that local definition the <i>RemoteQMGrName</i> attribute is the name of the local queue manager. However, the <i>ObjectName</i> field in MQOD or MQOR specifies the name of a model queue on the local queue manager; this is not allowed. • On an MQPUT1 call, the object descriptor MQOD or object record MQOR specifies the name of a model queue. • On a previous MQPUT or MQPUT1 call, the <i>ReplyToQ</i> field in the message descriptor specified the name of a model queue, but a model queue cannot be specified as the destination for reply or report messages. Only the name of a predefined queue, or the name of the <i>dynamic</i> queue created from the model queue, can be specified as the destination. In this situation the reason code MQRC_Q_TYPE_ERROR is returned in the <i>Reason</i> field of the MQDLH structure when the reply message or report message is placed on the dead-letter queue. <p>Corrective action: Specify a valid queue.</p>

2058	X'80A'	<p>MQRC_Q_MGR_NAME_ERROR</p> <p>Queue manager name not valid or not known.</p> <p>On an MQCONN or MQCONNX call, the value specified for the <i>QMGrName</i> parameter is not valid. This reason also occurs if the parameter pointer is not valid. (It is not always possible to detect parameter pointers that are not valid; if not detected, unpredictable results occur.)</p> <p>On OS/390, for CICS applications, this reason can occur on any call if the original connect specified an incorrect or unrecognized name.</p> <p>This reason also occurs if an application attempts to connect to a queue manager within a group (see the <i>QMGrName</i> parameter of MQCONN), and either:</p> <ul style="list-style-type: none"> • Queue-manager groups are not supported (they are only supported for MQ client applications), or • There is no queue-manager group with the specified name. <p>Corrective action: Use an all-blank name if possible, or verify that the name used is valid.</p>
2059	X'80B'	<p>MQRC_Q_MGR_NOT_AVAILABLE</p> <p>Queue manager not available for connection.</p> <p>On an MQCONN or MQCONNX call, the queue manager identified by the <i>QMGrName</i> parameter is not available for connection at this time.</p> <ul style="list-style-type: none"> • On OS/390, for CICS applications, this reason can occur on any call if the original connect specified a queue manager whose name was recognized, but which is not available. • On OS/400, this reason can also be returned by the MQOPEN and MQPUT1 calls, when MQHC_DEF_HCONN is specified for the <i>Hconn</i> parameter. <p>If the connection is from an MQ client application, this reason code can occur if there is an error with the client-connection or the corresponding server-connection channel definitions.</p> <p>On OS/390, this reason code can also occur if the optional MVS/ESA client attachment feature has not been installed.</p> <p>This reason also occurs if an application attempts to connect to a queue manager within a group (see the <i>QMGrName</i> parameter of MQCONN), when none of the queue managers in the group is available for connection at this time.</p> <p>Corrective action: Ensure that the queue manager has been started. If the connection is from a client application, check the channel definitions.</p>
2061	X'80D'	<p>MQRC_REPORT_OPTIONS_ERROR</p> <p>Report options in message descriptor not valid.</p> <p>An MQPUT or MQPUT1 call was issued, but the <i>Report</i> field in the message descriptor MQMD contains one or more options which are not recognized by the local queue manager. The options that cause this reason code to be returned depend on the destination of the message.</p> <p>This reason code can also occur in the <i>Feedback</i> field in the MQMD of a report message, or in the <i>Reason</i> field in the MQDLH structure of a message on the dead-letter queue; in both cases it indicates that the destination queue manager does not support one or more of the report options specified by the sender of the message.</p> <p>Corrective action: Do the following:</p> <ol style="list-style-type: none"> 1. Ensure that the <i>Report</i> field in the message descriptor is initialized with a value when the message descriptor is declared, or is assigned a value prior to the MQPUT or MQPUT1 call. Specify MQRO_NONE if no report options are required. 2. Ensure that the report options specified are ones which are documented in the <i>MQSeries Application Programming Reference</i>. Remove any report options which are not documented in this book. 3. If multiple report options are being set by adding the individual report options together, ensure that the same report option is not added twice. 4. Check that conflicting report options are not specified. For example, do not add both MQRO_EXCEPTION and MQRO_EXCEPTION_WITH_DATA to the <i>Report</i> field; only one of these can be specified.
2062	X'80E'	<p>MQRC_SECOND_MARK_NOT_ALLOWED</p> <p>A message is already marked.</p> <p>The <i>Options</i> field in the MQGMO specifies MQGMO_MARK_SKIP_BACKOUT, but a message has already been marked within this unit of recovery. Only one marked message is allowed within one unit of recovery.</p> <p>This reason code occurs only on OS/390.</p> <p>Corrective action: Ask for only one message to be marked.</p>

MQI return codes

2063	X'80F'	<p>MQRC_SECURITY_ERROR</p> <p>Security error occurred.</p> <p>An MQCONN, MQCONN, MQOPEN, MQPUT1, or MQCLOSE call was issued, but it failed because a security error occurred.</p> <ul style="list-style-type: none"> • On OS/390, the security error was returned by the External Security Manager. • On OS/400, this reason code is not returned by the MQCONN call. <p>Corrective Action: Note the error from the security manager, and contact your system programmer or security administrator.</p> <p>On OS/400, the FFST™ log will contain the error information.</p>
2065	X'811'	<p>MQRC_SELECTOR_COUNT_ERROR</p> <p>Count of selectors not valid.</p> <p>On an MQINQ or MQSET call, the <i>SelectorCount</i> parameter specifies a value that is not valid. This reason also occurs if the parameter pointer is not valid. (It is not always possible to detect parameter pointers that are not valid; if not detected, unpredictable results occur.)</p> <p>Corrective action: Specify a value in the range 0 through 256.</p>
2066	X'812'	<p>MQRC_SELECTOR_LIMIT_EXCEEDED</p> <p>Count of selectors too big.</p> <p>On an MQINQ or MQSET call, the <i>SelectorCount</i> parameter specifies a value that is larger than the maximum supported (256).</p> <p>Corrective action: Reduce the number of selectors specified on the call; the valid range is 0 through 256.</p>
2067	X'813'	<p>MQRC_SELECTOR_ERROR</p> <p>Attribute selector not valid.</p> <p>On an MQINQ or MQSET call, a selector in the <i>Selectors</i> array is either:</p> <ul style="list-style-type: none"> • not valid, or • not applicable to the type of the object whose attributes are being inquired or set, or • (MQSET only) not an attribute which can be set. <p>This reason also occurs if the parameter pointer is not valid. (It is not always possible to detect parameter pointers that are not valid; if not detected, unpredictable results occur.)</p> <p>Corrective action: Ensure that the value specified for the selector is valid for the object type represented by <i>Hobj</i>. For the MQSET call, also ensure that the selector represents an integer attribute that can be set.</p>
2068	X'814'	<p>MQRC_SELECTOR_NOT_FOR_TYPE</p> <p>Selector not applicable to queue type.</p> <p>On the MQINQ call, one or more selectors in the <i>Selectors</i> array is not applicable to the type of the queue whose attributes are being inquired. The call completes with MQCC_WARNING, with the attribute values for the inapplicable selectors set as follows:</p> <ul style="list-style-type: none"> • For integer attributes, the corresponding elements of <i>IntAttrs</i> are set to MQIAV_NOT_APPLICABLE. • For character attributes, the appropriate parts of the <i>CharAttrs</i> string are set to a character string consisting entirely of asterisks (*). <p>Corrective action: Verify that the selector specified is the one that was intended.</p>
2069	X'815'	<p>MQRC_SIGNAL_OUTSTANDING</p> <p>Signal outstanding for this handle.</p> <p>An MQGET call was issued with either the MQGMO_SET_SIGNAL or MQGMO_WAIT option, but there is already a signal outstanding for the queue handle <i>Hobj</i>.</p> <p>This reason code occurs only in the following environments: OS/390, Windows 95.</p> <p>Corrective action: Check the application logic. If it is necessary to set a signal or wait when there is a signal outstanding for the same queue, a different object handle must be used.</p>

2070	X'816'	<p>MQRC_SIGNAL_REQUEST_ACCEPTED</p> <p>No message returned (but signal request accepted).</p> <p>An MQGET call was issued specifying MQGMO_SET_SIGNAL in the <i>GetMsgOpts</i> parameter, but no suitable message was available; the call returns immediately. The application can now wait for the signal to be delivered.</p> <ul style="list-style-type: none"> • On OS/390, the application should wait on the Event Control Block pointed to by the <i>Signal1</i> field. • On Windows 95, the application should wait for the signal Windows message to be delivered. <p>This reason code occurs only in the following environments: OS/390, Windows 95.</p> <p>Corrective action: Wait for the signal; when it is delivered, check the signal to ensure that a message is now available. If it is, reissue the MQGET call.</p> <p>On OS/390, wait on the ECB pointed to by the <i>Signal1</i> field and, when it is posted, check it to ensure that a message is now available.</p> <p>On Windows 95, the application (thread) should continue executing its message loop.</p>
2071	X'817'	<p>MQRC_STORAGE_NOT_AVAILABLE</p> <p>Insufficient storage available.</p> <p>The call failed because there is insufficient main storage available.</p> <p>Corrective action: Ensure that active applications are behaving correctly, for example, that they are not looping unexpectedly. If no problems are found, make more main storage available.</p> <p>On OS/390, if no application problems are found, ask your systems programmer to increase the size of the region in which the queue manager runs.</p>
2072	X'818'	<p>MQRC_SYNCPOINT_NOT_AVAILABLE</p> <p>Syncpoint support not available.</p> <p>MQGMO_SYNCPOINT was specified on an MQGET call, or MQPMO_SYNCPOINT was specified on an MQPUT or MQPUT1 call, but the local queue manager was unable to honor the request. If the queue manager does not support units of work, the <i>SyncPoint</i> queue-manager attribute will have the value MQSP_NOT_AVAILABLE.</p> <p>This reason code can also occur on the MQGET, MQPUT, and MQPUT1 calls when an external unit-of-work coordinator is being used. If that coordinator requires an explicit call to start the unit of work, but the application has not issued that call prior to the MQGET, MQPUT, or MQPUT1 call, reason code MQRC_SYNCPOINT_NOT_AVAILABLE is returned.</p> <ul style="list-style-type: none"> • On OS/400, this reason codes means that OS/400 Commitment Control is not started, or is unavailable for use by the queue manager. • On OS/390, this reason code does not occur. <p>Corrective action: Remove the specification of MQGMO_SYNCPOINT or MQPMO_SYNCPOINT, as appropriate.</p> <p>On OS/400, if Commitment Control has not been started, start it. If this reason code occurs after Commitment Control has been started, contact your systems programmer.</p>
2075	X'81B'	<p>MQRC_TRIGGER_CONTROL_ERROR</p> <p>Value for trigger-control attribute not valid.</p> <p>On an MQSET call, the value specified for the MQIA_TRIGGER_CONTROL attribute selector is not valid.</p> <p>Corrective action: Specify a valid value.</p>
2076	X'81C'	<p>MQRC_TRIGGER_DEPTH_ERROR</p> <p>Value for trigger-depth attribute not valid.</p> <p>On an MQSET call, the value specified for the MQIA_TRIGGER_DEPTH attribute selector is not valid.</p> <p>Corrective action: Specify a value which is greater than zero.</p>
2077	X'81D'	<p>MQRC_TRIGGER_MSG_PRIORITY_ERR</p> <p>Value for trigger-message-priority attribute not valid.</p> <p>On an MQSET call, the value specified for the MQIA_TRIGGER_MSG_PRIORITY attribute selector is not valid.</p> <p>Corrective action: Specify a value in the range 0 through the value of <i>MaxPriority</i> queue-manager attribute.</p>
2078	X'81E'	<p>MQRC_TRIGGER_TYPE_ERROR</p> <p>Value for trigger-type attribute not valid.</p> <p>On an MQSET call, the value specified for the MQIA_TRIGGER_TYPE attribute selector is not valid.</p> <p>Corrective action: Specify a valid value.</p>

MQI return codes

2079	X'81F'	<p>MQRC_TRUNCATED_MSG_ACCEPTED</p> <p>Truncated message returned (processing completed).</p> <p>On an MQGET call, the message length was too large to fit into the supplied buffer. The MQGMO_ACCEPT_TRUNCATED_MSG option was specified, so the call completes. The message is removed from the queue (subject to unit-of-work considerations), or, if this was a browse operation, the browse cursor is advanced to this message.</p> <p>The <i>DataLength</i> parameter is set to the length of the message before truncation, the <i>Buffer</i> parameter contains as much of the message as fits, and the MQMD structure is filled in.</p> <p>Corrective action: None, because the application expected this situation.</p>
2080	X'820'	<p>MQRC_TRUNCATED_MSG_FAILED</p> <p>Truncated message returned (processing not completed).</p> <p>On an MQGET call, the message length was too large to fit into the supplied buffer. The MQGMO_ACCEPT_TRUNCATED_MSG option was <i>not</i> specified, so the message has not been removed from the queue. If this was a browse operation, the browse cursor remains where it was before this call, but if MQGMO_BROWSE_FIRST was specified, the browse cursor is positioned logically before the highest-priority message on the queue.</p> <p>The <i>DataLength</i> field is set to the length of the message before truncation, the <i>Buffer</i> parameter contains as much of the message as fits, and the MQMD structure is filled in.</p> <p>Corrective action: Supply a buffer that is at least as large as <i>DataLength</i>, or specify MQGMO_ACCEPT_TRUNCATED_MSG if not all of the message data is required.</p>
2082	X'822'	<p>MQRC_UNKNOWN_ALIAS_BASE_Q</p> <p>Unknown alias base queue.</p> <p>An MQOPEN or MQPUT1 call was issued specifying an alias queue as the target, but the <i>BaseQName</i> in the alias queue attributes is not recognized as a queue name.</p> <p>This reason code can also occur when <i>BaseQName</i> is the name of a cluster queue that cannot be resolved successfully.</p> <p>Corrective action: Correct the queue definitions.</p>
2085	X'825'	<p>MQRC_UNKNOWN_OBJECT_NAME</p> <p>Unknown object name.</p> <p>On an MQOPEN or MQPUT1 call, the <i>ObjectQMgrName</i> field in the object descriptor MQOD is set to one of the following:</p> <ul style="list-style-type: none"> • Blank • The name of the local queue manager • The name of a local definition of a remote queue (a queue-manager alias) in which the <i>RemoteQMgrName</i> attribute is the name of the local queue manager <p>However, the <i>ObjectName</i> field in the object descriptor is not recognized for the specified object type.</p> <p>This reason code can also occur when the queue is a cluster queue that is hosted on a remote queue manager, but the local queue manager does not have a defined route to the remote queue manager.</p> <p>See also MQRC_Q_DELETED.</p> <p>Corrective action: Specify a valid object name. Ensure that the name is padded to the right with blanks if necessary. If this is correct, check the queue definitions.</p>
2086	X'826'	<p>MQRC_UNKNOWN_OBJECT_Q_MGR</p> <p>Unknown object queue manager.</p> <p>On an MQOPEN or MQPUT1 call, the <i>ObjectQMgrName</i> field in the object descriptor MQOD does not satisfy the naming rules for objects. For more information, see the <i>MQSeries Application Programming Guide</i>.</p> <p>This reason also occurs if the <i>ObjectType</i> field in the object descriptor has the value MQOT_Q_MGR, and the <i>ObjectQMgrName</i> field is not blank, but the name specified is not the name of the local queue manager.</p> <p>Corrective Action: Specify a valid queue manager name (or all blanks or an initial null character to refer to the local queue manager). Ensure that the name is padded to the right with blanks or terminated with a null character if necessary.</p>

2087	X'827'	<p>MQRC_UNKNOWN_REMOTE_Q_MGR</p> <p>Unknown remote queue manager.</p> <p>On an MQOPEN or MQPUT1 call, an error occurred with the queue-name resolution, for one of the following reasons:</p> <ul style="list-style-type: none"> • <i>ObjectQMgrName</i> is blank or the name of the local queue manager, <i>ObjectName</i> is the name of a local definition of a remote queue (or an alias to one), and one of the following is true: <ul style="list-style-type: none"> – <i>RemoteQMgrName</i> is blank or the name of the local queue manager. Note that this error occurs even if <i>XmitQName</i> is not blank. – <i>XmitQName</i> is blank, but there is no transmission queue defined with the name of <i>RemoteQMgrName</i>, and the <i>DefXmitQName</i> queue-manager attribute is blank. – <i>RemoteQMgrName</i> and <i>RemoteQName</i> specify a cluster queue that cannot be resolved successfully, and the <i>DefXmitQName</i> queue-manager attribute is blank. • <i>ObjectQMgrName</i> is the name of a local definition of a remote queue (containing a queue-manager alias definition), and one of the following is true: <ul style="list-style-type: none"> – <i>RemoteQName</i> is not blank. – <i>XmitQName</i> is blank, but there is no transmission queue defined with the name of <i>RemoteQMgrName</i>, and the <i>DefXmitQName</i> queue-manager attribute is blank. • <i>ObjectQMgrName</i> is not: <ul style="list-style-type: none"> – Blank – The name of the local queue manager – The name of a transmission queue – The name of a queue-manager alias definition (that is, a local definition of a remote queue with a blank <i>RemoteQName</i>) <p>but the <i>DefXmitQName</i> queue-manager attribute is blank.</p> • <i>ObjectQMgrName</i> is the name of a model queue. • The queue name is resolved through a cell directory. However, there is no queue defined with the same name as the remote queue manager name obtained from the cell directory, and the <i>DefXmitQName</i> queue-manager attribute is blank. <p>Corrective action: Check the values specified for <i>ObjectQMgrName</i> and <i>ObjectName</i>. If these are correct, check the queue definitions.</p>
2090	X'82A'	<p>MQRC_WAIT_INTERVAL_ERROR</p> <p>Wait interval in MQGMO not valid.</p> <p>On the MQGET call, the value specified for the <i>WaitInterval</i> field in the <i>GetMsgOpts</i> parameter is not valid.</p> <p>Corrective action: Specify a value greater than or equal to zero, or the special value MQWI_UNLIMITED if an indefinite wait is required.</p>
2091	X'82B'	<p>MQRC_XMIT_Q_TYPE_ERROR</p> <p>Transmission queue not local.</p> <p>On an MQOPEN or MQPUT1 call, a message is to be sent to a remote queue manager. The <i>ObjectName</i> or <i>ObjectQMgrName</i> field in the object descriptor specifies the name of a local definition of a remote queue but one of the following applies to the <i>XmitQName</i> attribute of the definition:</p> <ul style="list-style-type: none"> • <i>XmitQName</i> is not blank, but specifies a queue that is not a local queue • <i>XmitQName</i> is blank, but <i>RemoteQMgrName</i> specifies a queue that is not a local queue <p>This reason also occurs if the queue name is resolved through a cell directory, and the remote queue manager name obtained from the cell directory is the name of a queue, but this is not a local queue.</p> <p>Corrective action: Check the values specified for <i>ObjectName</i> and <i>ObjectQMgrName</i>. If these are correct, check the queue definitions.</p>

MQI return codes

2092	X'82C'	<p>MQRC_XMIT_Q_USAGE_ERROR</p> <p>Transmission queue with wrong usage.</p> <p>On an MQOPEN or MQPUT1 call, a message is to be sent to a remote queue manager, but one of the following occurred:</p> <ul style="list-style-type: none"> • <i>ObjectQMgrName</i> specifies the name of a local queue, but it does not have a <i>Usage</i> attribute of MQUS_TRANSMISSION. • The <i>ObjectName</i> or <i>ObjectQMgrName</i> field in the object descriptor specifies the name of a local definition of a remote queue but one of the following applies to the <i>XmitQName</i> attribute of the definition: <ul style="list-style-type: none"> – <i>XmitQName</i> is not blank, but specifies a queue that does not have a <i>Usage</i> attribute of MQUS_TRANSMISSION – <i>XmitQName</i> is blank, but <i>RemoteQMgrName</i> specifies a queue that does not have a <i>Usage</i> attribute of MQUS_TRANSMISSION • The queue name is resolved through a cell directory, and the remote queue manager name obtained from the cell directory is the name of a local queue, but it does not have a <i>Usage</i> attribute of MQUS_TRANSMISSION. <p>Corrective action: Check the values specified for <i>ObjectName</i> and <i>ObjectQMgrName</i>. If these are correct, check the queue definitions.</p>
2093	X'82D'	<p>MQRC_NOT_OPEN_FOR_PASS_ALL</p> <p>Queue not open for pass all context.</p> <p>An MQPUT call was issued with the MQPMO_PASS_ALL_CONTEXT option specified in the <i>PutMsgOpts</i> parameter, but the queue had not been opened with the MQOO_PASS_ALL_CONTEXT option.</p> <p>Corrective action: Specify MQOO_PASS_ALL_CONTEXT (or another option that implies it) when the queue is opened.</p>
2094	X'82E'	<p>MQRC_NOT_OPEN_FOR_PASS_IDENT</p> <p>Queue not open for pass identity context.</p> <p>An MQPUT call was issued with the MQPMO_PASS_IDENTITY_CONTEXT option specified in the <i>PutMsgOpts</i> parameter, but the queue had not been opened with the MQOO_PASS_IDENTITY_CONTEXT option.</p> <p>Corrective action: Specify MQOO_PASS_IDENTITY_CONTEXT (or another option that implies it) when the queue is opened.</p>
2095	X'82F'	<p>MQRC_NOT_OPEN_FOR_SET_ALL</p> <p>Queue not open for set all context.</p> <p>An MQPUT call was issued with the MQPMO_SET_ALL_CONTEXT option specified in the <i>PutMsgOpts</i> parameter, but the queue had not been opened with the MQOO_SET_ALL_CONTEXT option.</p> <p>Corrective action: Specify MQOO_SET_ALL_CONTEXT when the queue is opened.</p>
2096	X'830'	<p>MQRC_NOT_OPEN_FOR_SET_IDENT</p> <p>Queue not open for set identity context.</p> <p>An MQPUT call was issued with the MQPMO_SET_IDENTITY_CONTEXT option specified in the <i>PutMsgOpts</i> parameter, but the queue had not been opened with the MQOO_SET_IDENTITY_CONTEXT option.</p> <p>Corrective action: Specify MQOO_SET_IDENTITY_CONTEXT (or another option that implies it) when the queue is opened.</p>
2097	X'831'	<p>MQRC_CONTEXT_HANDLE_ERROR</p> <p>Queue handle referred to does not save context.</p> <p>On an MQPUT or MQPUT1 call, MQPMO_PASS_IDENTITY_CONTEXT or MQPMO_PASS_ALL_CONTEXT was specified, but the handle specified in the <i>Context</i> field of the <i>PutMsgOpts</i> parameter is either not a valid queue handle, or it is a valid queue handle but the queue was not opened with MQOO_SAVE_ALL_CONTEXT.</p> <p>Corrective action: Specify MQOO_SAVE_ALL_CONTEXT when the queue referred to is opened.</p>

2098	X'832'	<p>MQRC_CONTEXT_NOT_AVAILABLE</p> <p>Context not available for queue handle referred to.</p> <p>On an MQPUT or MQPUT1 call, MQPMO_PASS_IDENTITY_CONTEXT or MQPMO_PASS_ALL_CONTEXT was specified, but the queue handle specified in the <i>Context</i> field of the <i>PutMsgOpts</i> parameter has no context associated with it. This arises if no message has yet been successfully retrieved with the queue handle referred to, or if the last successful MQGET call was a browse.</p> <p>This condition does not arise if the message that was last retrieved had no context associated with it.</p> <p>On OS/390, if a message is received by a message channel agent which is putting messages with the authority of the user identifier in the message, this code is returned in the <i>Feedback</i> field of an exception report if the message has no context associated with it.</p> <p>Corrective action: Ensure that a successful nonbrowse get call has been issued with the queue handle referred to.</p>
2099	X'833'	<p>MQRC_SIGNAL1_ERROR</p> <p>Signal field not valid.</p> <p>An MQGET call was issued, specifying MQGMO_SET_SIGNAL in the <i>GetMsgOpts</i> parameter, but the <i>Signal1</i> field is not valid.</p> <ul style="list-style-type: none"> • On OS/390, the address contained in the <i>Signal1</i> field is not valid, or points to read-only storage. (It is not always possible to detect parameter pointers that are not valid; if not detected, unpredictable results occur.) • On Windows 95, the window handle in the <i>Signal1</i> field is not valid. <p>This reason code occurs only in the following environments: OS/390, Windows 95.</p> <p>Corrective action: Correct the setting of the <i>Signal1</i> field.</p>
2100	X'834'	<p>MQRC_OBJECT_ALREADY_EXISTS</p> <p>Object already exists.</p> <p>An MQOPEN call was issued to create a dynamic queue, but a queue with the same name as the dynamic queue already exists.</p> <p>On OS/390, a rare "race condition" can also give rise to this reason code; see the description of reason code MQRC_NAME_IN_USE for more details.</p> <p>Corrective action: If supplying a dynamic queue name in full, ensure that it obeys the naming conventions for dynamic queues; if it does, either supply a different name, or delete the existing queue if it is no longer required. Alternatively, allow the queue manager to generate the name.</p> <p>If the queue manager is generating the name (either in part or in full), reissue the MQOPEN call.</p>
2101	X'835'	<p>MQRC_OBJECT_DAMAGED</p> <p>Object damaged.</p> <p>The object accessed by the call is damaged and cannot be used. For example, this might be because the definition of the object in main storage is not consistent, or because it differs from the definition of the object on disk, or because the definition on disk cannot be read.</p> <p>The object cannot be used until the problem is corrected. The object can be deleted, although it might not be possible to delete the associated user space.</p> <p>On OS/390, this reason code does not occur.</p> <p>Corrective action: It might be necessary to stop and restart the queue manager, or to restore the queue-manager data from back-up storage.</p> <p>On Digital OpenVMS, OS/2 Warp, OS/400, Tandem NSK, and UNIX platforms, consult the FFST™ record to obtain more detail about the problem.</p>
2102	X'836'	<p>MQRC_RESOURCE_PROBLEM</p> <p>Insufficient system resources available.</p> <p>There are insufficient system resources to complete the call successfully.</p> <p>On OS/390, this reason code does not occur.</p> <p>Corrective action: Run the application when the machine is less heavily loaded.</p> <p>On Digital OpenVMS, OS/2 Warp, OS/400, Tandem NSK, and UNIX platforms, consult the FFST record to obtain more detail about the problem.</p>

MQI return codes

2103	X'837'	<p>MQRC_ANOTHER_Q_MGR_CONNECTED</p> <p>Another queue manager already connected.</p> <p>An MQCONN or MQCONNX call was issued, but the thread or process is already connected to a different queue manager. The thread or process can connect to only one queue manager at a time.</p> <p>On OS/390 and OS/400, this reason code does not occur.</p> <p>Corrective action: Use the MQDISC call to disconnect from the queue manager which is already connected, and then issue the MQCONN or MQCONNX call to connect to the new queue manager.</p> <p>Note: Disconnecting from the existing queue manager will close any queues which are currently open; it is recommended that any uncommitted units of work should be committed or backed out before the MQDISC call is used.</p>
2104	X'838'	<p>MQRC_UNKNOWN_REPORT_OPTION</p> <p>Report option(s) in message descriptor not recognized.</p> <p>An MQPUT or MQPUT1 call was issued, but the <i>Report</i> field in the message descriptor MQMD contains one or more options which are not recognized by the local queue manager. The options are accepted.</p> <p>The options that cause this reason code to be returned depend on the destination of the message.</p> <p>Corrective action: If this reason code is expected, no corrective action is required.</p> <p>If this reason code is not expected, do the following:</p> <ol style="list-style-type: none"> 1. Ensure that the <i>Report</i> field in the message descriptor is initialized with a value when the message descriptor is declared, or is assigned a value prior to the MQPUT or MQPUT1 call. 2. Ensure that the report options specified are ones which are documented in the <i>MQSeries Application Programming Reference</i>. Remove any report options which are not documented in this book. 3. If multiple report options are being set by adding the individual report options together, ensure that the same report option is not added twice. 4. Check that conflicting report options are not specified. For example, do not add both MQRO_EXCEPTION and MQRO_EXCEPTION_WITH_DATA to the <i>Report</i> field; only one of these can be specified.
2105	X'839'	<p>MQRC_STORAGE_CLASS_ERROR</p> <p>Storage class error.</p> <p>The MQPUT or MQPUT1 call was issued, but the storage-class object defined for the queue does not exist.</p> <p>This reason code occurs only on OS/390.</p> <p>Corrective action: Create the storage-class object required by the queue, or modify the queue definition to use an existing storage class. The name of the storage-class object used by the queue is given by the <i>StorageClass</i> queue attribute.</p>
2106	X'83A'	<p>MQRC_COD_NOT_VALID_FOR_XCF_Q</p> <p>COD report option not valid for XCF queue.</p> <p>An MQPUT or MQPUT1 call was issued, but the <i>Report</i> field in the message descriptor MQMD specifies one of the MQRO_COD_* options and the target queue is an XCF queue. MQRO_COD_* options cannot be specified for XCF queues.</p> <p>This reason code occurs only on OS/390.</p> <p>Corrective action: Remove the relevant MQRO_COD_* option.</p>
2107	X'83B'	<p>MQRC_XWAIT_CANCELED</p> <p>MQXWAIT call canceled.</p> <p>An MQXWAIT call has been canceled because a STOP CHINIT command has been issued (or the queue manager has been stopped, which causes the same effect). Refer to the <i>MQSeries Intercommunication</i> book for details of the MQXWAIT call.</p> <p>This reason code occurs only on OS/390.</p> <p>Corrective action: Tidy up and terminate.</p>

2108	X'83C'	<p>MQRC_XWAIT_ERROR</p> <p>Invocation of MQXWAIT call not valid.</p> <p>An MQXWAIT call was issued, but the invocation was not valid for one of the following reasons:</p> <ul style="list-style-type: none"> • The wait descriptor MQXWD contains data which is not valid. • The linkage stack level is not valid. • The addressing mode is not valid. • There are too many wait events outstanding. <p>This reason code occurs only on OS/390.</p> <p>Corrective action: Obey the rules for using the MQXWAIT call. Refer to the <i>MQSeries Intercommunication</i> book for details of this call.</p>
2109	X'83D'	<p>MQRC_SUPPRESSED_BY_EXIT</p> <p>Call suppressed by exit program.</p> <p>On any call other than MQCONN or MQDISC, the API crossing exit suppressed the call.</p> <p>This reason code occurs only on OS/390.</p> <p>Corrective action: Obey the rules for API calls that the exit enforces. To find out the rules, see the writer of the exit.</p>
2110	X'83E'	<p>MQRC_FORMAT_ERROR</p> <p>Message format not valid.</p> <p>On an MQGET call with the MQGMO_CONVERT option included in the <i>GetMsgOpts</i> parameter, one or both of the <i>CodedCharSetId</i> and <i>Encoding</i> fields in the message differs from the corresponding field in the <i>MsgDesc</i> parameter, but the message cannot be converted successfully due to an error associated with the message format. Possible errors include:</p> <ul style="list-style-type: none"> • A user-written exit with the name specified by the <i>Format</i> field in the message cannot be found. • The format name in the message is MQFMT_NONE. • The message contains data that is not consistent with the format definition. <p>The message is returned unconverted to the application issuing the MQGET call, the values of the <i>CodedCharSetId</i> and <i>Encoding</i> fields in the <i>MsgDesc</i> parameter are set to those of the message returned, and the call completes with MQCC_WARNING.</p> <p>If the message consists of several parts, each of which is described by its own <i>CodedCharSetId</i> and <i>Encoding</i> fields (for example, a message with format name MQFMT_DEAD_LETTER_HEADER), some parts might be converted and other parts not converted. However, the values returned in the various <i>CodedCharSetId</i> and <i>Encoding</i> fields always correctly describe the relevant message data.</p> <p>Corrective action: Check the format name that was specified when the message was put. If this is not one of the built-in formats, check that a suitable exit with the same name as the format is available for the queue manager to load. Verify that the data in the message corresponds to the format expected by the exit.</p>
2111	X'83F'	<p>MQRC_SOURCE_CCSID_ERROR</p> <p>Source coded character set identifier not valid.</p> <p>The coded character-set identifier from which character data is to be converted is not valid or not supported.</p> <p>This can occur on the MQGET call when the MQGMO_CONVERT option is included in the <i>GetMsgOpts</i> parameter; the coded character-set identifier in error is the <i>CodedCharSetId</i> field in the message being retrieved. In this case, the message data is returned unconverted, the values of the <i>CodedCharSetId</i> and <i>Encoding</i> fields in the <i>MsgDesc</i> parameter are set to those of the message returned, and the call completes with MQCC_WARNING.</p> <p>If the message consists of several parts, each of which is described by its own <i>CodedCharSetId</i> and <i>Encoding</i> fields (for example, a message with format name MQFMT_DEAD_LETTER_HEADER), some parts might be converted and other parts not converted. However, the values returned in the various <i>CodedCharSetId</i> and <i>Encoding</i> fields always correctly describe the relevant message data.</p> <p>This reason can also occur on the MQXCNV call; the coded character-set identifier in error is the <i>SourceCCSID</i> parameter. Either the <i>SourceCCSID</i> parameter specifies a value which is not valid or not supported, or the <i>SourceCCSID</i> parameter pointer is not valid. (It is not always possible to detect parameter pointers that are not valid; if not detected, unpredictable results occur.)</p> <p>Corrective action: Check the character-set identifier that was specified when the message was put, or that was specified for the <i>SourceCCSID</i> parameter on the MQXCNV call. If this is correct, check that it is one for which queue-manager conversion is supported. If queue-manager conversion is not supported for the specified character set, conversion must be carried out by the application.</p>

MQI return codes

2112	X'840'	<p>MQRC_SOURCE_INTEGER_ENC_ERROR</p> <p>Source integer encoding not recognized.</p> <p>On an MQGET call, with the MQGMO_CONVERT option included in the <i>GetMsgOpts</i> parameter, the <i>Encoding</i> value in the message being retrieved specifies an integer encoding that is not recognized. The message data is returned unconverted, the values of the <i>CodedCharSetId</i> and <i>Encoding</i> fields in the <i>MsgDesc</i> parameter are set to those of the message returned, and the call completes with MQCC_WARNING.</p> <p>If the message consists of several parts, each of which is described by its own <i>CodedCharSetId</i> and <i>Encoding</i> fields (for example, a message with format name MQFMT_DEAD_LETTER_HEADER), some parts might be converted and other parts not converted. However, the values returned in the various <i>CodedCharSetId</i> and <i>Encoding</i> fields always correctly describe the relevant message data.</p> <p>This reason code can also occur on the MQXCNV call, when the <i>Options</i> parameter contains an unsupported MQDCC_SOURCE_* value, or when MQDCC_SOURCE_ENC_UNDEFINED is specified for a UCS2 code page.</p> <p>Corrective action: Check the integer encoding that was specified when the message was put. If this is correct, check that it is one for which queue-manager conversion is supported. If queue-manager conversion is not supported for the required integer encoding, conversion must be carried out by the application.</p>
2113	X'841'	<p>MQRC_SOURCE_DECIMAL_ENC_ERROR</p> <p>Packed-decimal encoding in message not recognized.</p> <p>On an MQGET call with the MQGMO_CONVERT option included in the <i>GetMsgOpts</i> parameter, the <i>Encoding</i> value in the message being retrieved specifies a decimal encoding that is not recognized. The message data is returned unconverted, the values of the <i>CodedCharSetId</i> and <i>Encoding</i> fields in the <i>MsgDesc</i> parameter are set to those of the message returned, and the call completes with MQCC_WARNING.</p> <p>If the message consists of several parts, each of which is described by its own <i>CodedCharSetId</i> and <i>Encoding</i> fields (for example, a message with format name MQFMT_DEAD_LETTER_HEADER), some parts might be converted and other parts not converted. However, the values returned in the various <i>CodedCharSetId</i> and <i>Encoding</i> fields always correctly describe the relevant message data.</p> <p>Corrective action: Check the decimal encoding that was specified when the message was put. If this is correct, check that it is one for which queue-manager conversion is supported. If queue-manager conversion is not supported for the required decimal encoding, conversion must be carried out by the application.</p>
2114	X'842'	<p>MQRC_SOURCE_FLOAT_ENC_ERROR</p> <p>Floating-point encoding in message not recognized.</p> <p>On an MQGET call, with the MQGMO_CONVERT option included in the <i>GetMsgOpts</i> parameter, the <i>Encoding</i> value in the message being retrieved specifies a floating-point encoding that is not recognized. The message data is returned unconverted, the values of the <i>CodedCharSetId</i> and <i>Encoding</i> fields in the <i>MsgDesc</i> parameter are set to those of the message returned, and the call completes with MQCC_WARNING.</p> <p>If the message consists of several parts, each of which is described by its own <i>CodedCharSetId</i> and <i>Encoding</i> fields (for example, a message with format name MQFMT_DEAD_LETTER_HEADER), some parts might be converted and other parts not converted. However, the values returned in the various <i>CodedCharSetId</i> and <i>Encoding</i> fields always correctly describe the relevant message data.</p> <p>Corrective action: Check the floating-point encoding that was specified when the message was put. If this is correct, check that it is one for which queue-manager conversion is supported. If queue-manager conversion is not supported for the required floating-point encoding, conversion must be carried out by the application.</p>
2115	X'843'	<p>MQRC_TARGET_CCSID_ERROR</p> <p>Target coded character set identifier not valid.</p> <p>The coded character-set identifier to which character data which is to be converted is not valid or not supported.</p> <p>This can occur on the MQGET call when the MQGMO_CONVERT option is included in the <i>GetMsgOpts</i> parameter; the coded character-set identifier in error is the <i>CodedCharSetId</i> field in the <i>MsgDesc</i> parameter. In this case, the message data is returned unconverted, the values of the <i>CodedCharSetId</i> and <i>Encoding</i> fields in the <i>MsgDesc</i> parameter are set to those of the message returned, and the call completes with MQCC_WARNING.</p> <p>This reason can also occur on the MQXCNV call; the coded character-set identifier in error is the <i>TargetCCSID</i> parameter. Either the <i>TargetCCSID</i> parameter specifies a value which is not valid or not supported, or the <i>TargetCCSID</i> parameter pointer is not valid. (It is not always possible to detect parameter pointers that are not valid; if not detected, unpredictable results occur.)</p> <p>Corrective action: Check the character-set identifier that was specified for the <i>CodedCharSetId</i> field in the <i>MsgDesc</i> parameter on the MQGET call, or that was specified for the <i>SourceCCSID</i> parameter on the MQXCNV call. If this is correct, check that it is one for which queue-manager conversion is supported. If queue-manager conversion is not supported for the specified character set, conversion must be carried out by the application.</p>

2116	X'844'	<p>MQRC_TARGET_INTEGER_ENC_ERROR</p> <p>Target integer encoding not recognized.</p> <p>On an MQGET call with the MQGMO_CONVERT option included in the <i>GetMsgOpts</i> parameter, the <i>Encoding</i> value in the <i>MsgDesc</i> parameter specifies an integer encoding that is not recognized. The message data is returned unconverted, the values of the <i>CodedCharSetId</i> and <i>Encoding</i> fields in the <i>MsgDesc</i> parameter are set to those of the message being retrieved, and the call completes with MQCC_WARNING.</p> <p>This reason code can also occur on the MQXCNV call, when the <i>Options</i> parameter contains an unsupported MQDCC_TARGET_* value, or when MQDCC_TARGET_ENC_UNDEFINED is specified for a UCS2 code page.</p> <p>Corrective action: Check the integer encoding that was specified. If this is correct, check that it is one for which queue-manager conversion is supported. If queue-manager conversion is not supported for the required integer encoding, conversion must be carried out by the application.</p>
2117	X'845'	<p>MQRC_TARGET_DECIMAL_ENC_ERROR</p> <p>Packed-decimal encoding specified by receiver not recognized.</p> <p>On an MQGET call with the MQGMO_CONVERT option included in the <i>GetMsgOpts</i> parameter, the <i>Encoding</i> value in the <i>MsgDesc</i> parameter specifies a decimal encoding that is not recognized. The message data is returned unconverted, the values of the <i>CodedCharSetId</i> and <i>Encoding</i> fields in the <i>MsgDesc</i> parameter are set to those of the message returned, and the call completes with MQCC_WARNING.</p> <p>Corrective action: Check the decimal encoding that was specified. If this is correct, check that it is one for which queue-manager conversion is supported. If queue-manager conversion is not supported for the required decimal encoding, conversion must be carried out by the application.</p>
2118	X'846'	<p>MQRC_TARGET_FLOAT_ENC_ERROR</p> <p>Floating-point encoding specified by receiver not recognized.</p> <p>On an MQGET call with the MQGMO_CONVERT option included in the <i>GetMsgOpts</i> parameter, the <i>Encoding</i> value in the <i>MsgDesc</i> parameter specifies a floating-point encoding that is not recognized. The message data is returned unconverted, the values of the <i>CodedCharSetId</i> and <i>Encoding</i> fields in the <i>MsgDesc</i> parameter are set to those of the message returned, and the call completes with MQCC_WARNING.</p> <p>Corrective action: Check the floating-point encoding that was specified. If this is correct, check that it is one for which queue-manager conversion is supported. If queue-manager conversion is not supported for the required floating-point encoding, conversion must be carried out by the application.</p>
2119	X'847'	<p>MQRC_NOT_CONVERTED</p> <p>Application message data not converted.</p> <p>On an MQGET call with the MQGMO_CONVERT option included in the <i>GetMsgOpts</i> parameter, an error occurred during conversion of the data in the message. The message data is returned unconverted, the values of the <i>CodedCharSetId</i> and <i>Encoding</i> fields in the <i>MsgDesc</i> parameter are set to those of the message returned, and the call completes with MQCC_WARNING.</p> <p>If the message consists of several parts, each of which is described by its own <i>CodedCharSetId</i> and <i>Encoding</i> fields (for example, a message with format name MQFMT_DEAD_LETTER_HEADER), some parts might be converted and other parts not converted. However, the values returned in the various <i>CodedCharSetId</i> and <i>Encoding</i> fields always correctly describe the relevant message data.</p> <p>This error might also indicate that a parameter to the data-conversion service is not supported.</p> <p>Corrective action: Check that the message data is correctly described by the <i>Format</i>, <i>CodedCharSetId</i> and <i>Encoding</i> parameters that were specified when the message was put. Also check that these values, and the <i>CodedCharSetId</i> and <i>Encoding</i> specified in the <i>MsgDesc</i> parameter on the MQGET call, are supported for queue-manager conversion. If the required conversion is not supported, conversion must be carried out by the application.</p>

MQI return codes

2120	X'848'	<p>MQRC_CONVERTED_MSG_TOO_BIG</p> <p>Converted data too big for buffer.</p> <p>On an MQGET call with the MQGMO_CONVERT option included in the <i>GetMsgOpts</i> parameter, the message data expanded during data conversion and exceeded the size of the buffer provided by the application. However, the message had already been removed from the queue because prior to conversion the message data could be accommodated in the application buffer without truncation.</p> <p>The message is returned unconverted, with the <i>CompCode</i> parameter of the MQGET call set to MQCC_WARNING. If the message consists of several parts, each of which is described by its own character-set and encoding fields (for example, a message with format name MQFMT_DEAD_LETTER_HEADER), some parts might be converted and other parts not converted. However, the values returned in the various character-set and encoding fields always correctly describe the relevant message data.</p> <p>This reason can also occur on the MQXCNV call, when the <i>TargetBuffer</i> parameter is too small to accommodate the converted string, and the string has been truncated to fit in the buffer. The length of valid data returned is given by the <i>DataLength</i> parameter; in the case of a DBCS string or mixed SBCS/DBCS string, this length might be <i>less than</i> the length of <i>TargetBuffer</i>.</p> <p>Corrective action: For the MQGET call, check that the exit is converting the message data correctly and setting the output length <i>DataLength</i> to the appropriate value. If it is, the application issuing the MQGET call must provide a larger buffer for the <i>Buffer</i> parameter.</p> <p>For the MQXCNV call, if the string must be converted without truncation, provide a larger output buffer.</p>
2121	X'849'	<p>MQRC_NO_EXTERNAL_PARTICIPANTS</p> <p>No participating resource managers registered.</p> <p>An MQBEGIN call was issued to start a unit of work coordinated by the queue manager, but no participating resource managers have been registered with the queue manager. As a result, only changes to MQ resources can be coordinated by the queue manager in the unit of work.</p> <p>This reason code occurs in the following environments: AIX, HP-UX, OS/2 Warp, Sun Solaris, Windows NT.</p> <p>Corrective action: If the application does not require non-MQ resources to participate in the unit of work, this reason code can be ignored or the MQBEGIN call removed. Otherwise consult your system support programmer to determine why the required resource managers have not been registered with the queue manager; the queue manager's configuration file might be in error.</p>
2122	X'84A'	<p>MQRC_PARTICIPANT_NOT_AVAILABLE</p> <p>Participating resource manager not available.</p> <p>An MQBEGIN call was issued to start a unit of work coordinated by the queue manager, but one or more of the participating resource managers that had been registered with the queue manager is not available. As a result, changes to those resources cannot be coordinated by the queue manager in the unit of work.</p> <p>This reason code occurs in the following environments: AIX, HP-UX, OS/2 Warp, Sun Solaris, Windows NT.</p> <p>Corrective action: If the application does not require non-MQ resources to participate in the unit of work, this reason code can be ignored. Otherwise consult your system support programmer to determine why the required resource managers are not available. The resource manager might have been halted temporarily, or there might be an error in the queue manager's configuration file.</p>
2123	X'84B'	<p>MQRC_OUTCOME_MIXED</p> <p>Result of commit or back-out operation is mixed.</p> <p>The queue manager is acting as the unit-of-work coordinator for a unit of work that involves other resource managers, but one of the following occurred:</p> <ul style="list-style-type: none"> • An MQCMIT or MQDISC call was issued to commit the unit of work, but one or more of the participating resource managers backed-out the unit of work instead of committing it. As a result, the outcome of the unit of work is mixed. • An MQBACK call was issued to back out a unit of work, but one or more of the participating resource managers had already committed the unit of work. <p>This reason code occurs in the following environments: AIX, HP-UX, OS/2 Warp, Sun Solaris, Windows NT.</p> <p>Corrective action: Examine the queue-manager error logs for messages relating to the mixed outcome; these messages identify the resource managers that are affected. Use procedures local to the affected resource managers to resynchronize the resources.</p> <p>Note: This reason code does not prevent the application initiating further units of work.</p>

2124	X'84C'	<p>MQRC_OUTCOME_PENDING</p> <p>Result of commit operation is pending.</p> <p>The queue manager is acting as the unit-of-work coordinator for a unit of work that involves other resource managers, and an MQCMIT or MQDISC call was issued to commit the unit of work, but one or more of the participating resource managers has not confirmed that the unit of work was committed successfully.</p> <p>The completion of the commit operation will happen at some point in the future, but there remains the possibility that the outcome will be mixed.</p> <p>This reason code occurs in the following environments: AIX, HP-UX, OS/2 Warp, Sun Solaris, Windows NT.</p> <p>Corrective action: Use the normal error-reporting mechanisms to determine whether the outcome was mixed. If it was, take appropriate action to resynchronize the resources.</p> <p>Note: This reason code does not prevent the application initiating further units of work.</p>
2125	X'84D'	<p>MQRC_BRIDGE_STARTED</p> <p>Bridge started.</p> <p>The IMS bridge has been started.</p> <p>Corrective action: None. This reason code is only used to identify the corresponding event message.</p>
2126	X'84E'	<p>MQRC_BRIDGE_STOPPED</p> <p>Bridge stopped.</p> <p>The IMS bridge has been stopped.</p> <p>Corrective action: None. This reason code is only used to identify the corresponding event message.</p>
2127	X'84F'	<p>MQRC_ADAPTER_STORAGE_SHORTAGE</p> <p>Insufficient storage for adapter.</p> <p>On an MQCONN call, the adapter was unable to acquire storage.</p> <p>This reason code occurs only on OS/390.</p> <p>Corrective action: Notify the system programmer.</p> <p>The system programmer should determine why the system is short on storage, and take appropriate action, for example, increase the region size on the step or job card.</p>
2128	X'850'	<p>MQRC_UOW_IN_PROGRESS</p> <p>Unit of work already started.</p> <p>An MQBEGIN call was issued to start a unit of work coordinated by the queue manager, but a unit of work is already in existence for the connection handle specified. This might be a global unit of work started by a previous MQBEGIN call, or a unit of work that is local to the queue manager or one of the cooperating resource managers. No more than one unit of work can exist concurrently for a connection handle.</p> <p>This reason code occurs in the following environments: AIX, HP-UX, OS/2 Warp, Sun Solaris, Windows NT.</p> <p>Corrective action: Review the application logic to determine why there is a unit of work already in existence. Move the MQBEGIN call to the appropriate place in the application.</p>
2129	X'851'	<p>MQRC_ADAPTER_CONN_LOAD_ERROR</p> <p>Unable to load adapter connection module.</p> <p>On an MQCONN call, the connection handling module (CSQBCON for batch and CSQQCONN for IMS) could not be loaded, so the adapter could not link to it.</p> <p>This reason code occurs only on OS/390.</p> <p>Corrective action: Ensure that the correct library concatenation has been specified in the batch application program execution JCL, and in the MQSeries startup JCL.</p>
2130	X'852'	<p>MQRC_ADAPTER_SERV_LOAD_ERROR</p> <p>Unable to load adapter service module.</p> <p>On an API call, the batch adapter could not load the API service module CSQBSRV, and so could not link to it.</p> <p>This reason code occurs only on OS/390.</p> <p>Corrective action: Ensure that the correct library concatenation has been specified in the batch application program execution JCL, and in the MQSeries startup JCL.</p>

MQI return codes

2131	X'853'	<p>MQRC_ADAPTER_DEFS_ERROR</p> <p>Adapter subsystem definition module not valid.</p> <p>On an MQCONN call, the subsystem definition module (CSQBDEFV for batch and CSQQDEFV for IMS) does not contain the required control block identifier.</p> <p>This reason code occurs only on OS/390.</p> <p>Corrective action: Check your library concatenation. If this is correct, check that the CSQBDEFV or CSQQDEFV module contains the required subsystem ID.</p>
2132	X'854'	<p>MQRC_ADAPTER_DEFS_LOAD_ERROR</p> <p>Unable to load adapter subsystem definition module.</p> <p>On an MQCONN call, the subsystem definition module (CSQBDEFV for batch and CSQQDEFV for IMS) could not be loaded.</p> <p>This reason code occurs only on OS/390.</p> <p>Corrective action: Ensure that the correct library concatenation has been specified in the application program execution JCL, and in the MQSeries startup JCL.</p>
2133	X'855'	<p>MQRC_ADAPTER_CONV_LOAD_ERROR</p> <p>Unable to load data conversion services modules.</p> <p>On an MQGET call, the adapter (batch or IMS) could not load the data conversion services modules.</p> <p>This reason code occurs only on OS/390.</p> <p>Corrective action: Ensure that the correct library concatenation has been specified in the batch application program execution JCL, and in the MQSeries startup JCL.</p>
2134	X'856'	<p>MQRC_BO_ERROR</p> <p>Begin-options structure not valid.</p> <p>On an MQBEGIN call, the begin-options structure MQBO is not valid, for one of the following reasons:</p> <ul style="list-style-type: none"> • The <i>StrucId</i> mnemonic eye-catcher is not MQBO_STRUC_ID. • The <i>Version</i> field is not MQBO_VERSION_1. • The parameter pointer is not valid. (It is not always possible to detect parameter pointers that are not valid; if not detected, unpredictable results occur.) • The queue manager cannot copy the changed structure to application storage, even though the call is successful. This can occur, for example, if the pointer points to read-only storage. <p>This reason code occurs in the following environments: AIX, DOS clients, HP-UX, OS/2 Warp, Sun Solaris, Windows clients, Windows NT.</p> <p>Corrective action: Correct the definition of the MQBO structure. Ensure that required input fields are set correctly.</p>
2135	X'857'	<p>MQRC_DH_ERROR</p> <p>Distribution header structure not valid.</p> <p>On an MQPUT or MQPUT1 call, the distribution header structure MQDH in the message data is not valid.</p> <p>This reason code occurs in the following environments: AIX, DOS clients, HP-UX, OS/2 Warp, OS/400, Sun Solaris, Windows clients, Windows NT.</p> <p>Corrective action: Correct the definition of the MQDH structure. Ensure that the fields are set correctly.</p>
2136	X'858'	<p>MQRC_MULTIPLE_REASONS</p> <p>Multiple reason codes returned.</p> <p>An MQOPEN, MQPUT or MQPUT1 call was issued to open a distribution list or put a message to a distribution list, but the result of the call was not the same for all of the destinations in the list. One of the following applies:</p> <ul style="list-style-type: none"> • The call succeeded for some of the destinations but not others. The completion code is MQCC_WARNING in this case. • The call failed for all of the destinations, but for differing reasons. The completion code is MQCC_FAILED in this case. <p>This reason code occurs in the following environments: AIX, DOS clients, HP-UX, OS/2 Warp, OS/400, Sun Solaris, Windows clients, Windows NT.</p> <p>Corrective action: Examine the MQRR response records to identify the destinations for which the call failed, and the reason for the failure. Ensure that sufficient response records are provided by the application on the call to enable the error(s) to be determined. For the MQPUT1 call, the response records must be specified using the MQOD structure, and not the MQPMO structure.</p>

2137	X'859'	<p>MQRC_OPEN_FAILED</p> <p>Queue not opened successfully.</p> <p>An MQPUT call was issued to put a message to a distribution list, but the message could not be sent to the destination to which this reason code applies because that destination was not opened successfully by the MQOPEN call. This reason occurs only in the <i>Reason</i> field of the MQRR response record.</p> <p>This reason code occurs in the following environments: AIX, DOS clients, HP-UX, OS/2 Warp, OS/400, Sun Solaris, Windows clients, Windows NT.</p> <p>Corrective action: Examine the MQRR response records specified on the MQOPEN call to determine the reason that the queue failed to open. Ensure that sufficient response records are provided by the application on the call to enable the error(s) to be determined.</p>
2138	X'85A'	<p>MQRC_ADAPTER_DISC_LOAD_ERROR</p> <p>Unable to load adapter disconnection module.</p> <p>On an MQDISC call, the disconnect handling module (CSQBDS for batch and CSQQDISC for IMS) could not be loaded, so the adapter could not link to it.</p> <p>This reason code occurs only on OS/390.</p> <p>Corrective action: Ensure that the correct library concatenation has been specified in the application program execution JCL, and in the MQSeries startup JCL.</p> <p>Applications should ensure that any uncommitted updates are backed out. Any unit of work that is coordinated by the queue manager is backed out automatically.</p>
2139	X'85B'	<p>MQRC_CNO_ERROR</p> <p>Connect-options structure not valid.</p> <p>On an MQCONN call, the connect-options structure MQCNO is not valid, for one of the following reasons:</p> <ul style="list-style-type: none"> • The <i>StrucId</i> mnemonic eye-catcher is not MQCNO_STRUC_ID. • The <i>Version</i> field is not MQCNO_VERSION_1. • The parameter pointer is not valid. (It is not always possible to detect parameter pointers that are not valid; if not detected, unpredictable results occur.) • The queue manager cannot copy the changed structure to application storage, even though the call is successful. This can occur, for example, if the parameter pointer points to read-only storage. <p>This reason code occurs in the following environments: AIX, DOS clients, HP-UX, OS/2 Warp, Sun Solaris, Windows clients, Windows NT.</p> <p>Corrective action: Correct the definition of the MQCNO structure. Ensure that required input fields are set correctly.</p>
2140	X'85C'	<p>MQRC_CICS_WAIT_FAILED</p> <p>Wait request rejected by CICS.</p> <p>On any API call, the CICS adapter issued an EXEC CICS WAIT request, but the request was rejected by CICS.</p> <p>This reason code occurs only on OS/390.</p> <p>Corrective action: Examine the CICS trace data for actual response codes. The most likely cause is that the task has been canceled by the operator or by the system.</p>
2141	X'85D'	<p>MQRC_DLH_ERROR</p> <p>Dead letter header structure not valid.</p> <p>On an MQPUT or MQPUT1 call, the dead letter header structure MQDLH in the message data is not valid.</p> <p>This reason code occurs in the following environments: AIX, DOS clients, HP-UX, OS/2 Warp, OS/400, Sun Solaris, Windows clients, Windows NT.</p> <p>Corrective action: Correct the definition of the MQDLH structure. Ensure that the fields are set correctly.</p>
2142	X'85E'	<p>MQRC_HEADER_ERROR</p> <p>MQ header structure not valid.</p> <p>The MQPUT or MQPUT1 call was used to put a message containing an MQ header structure, but the header structure is not valid.</p> <p>This reason code occurs in the following environments: AIX, DOS clients, HP-UX, OS/2 Warp, OS/400, Sun Solaris, Windows clients, Windows NT.</p> <p>Corrective action: Correct the definition of the MQ header structure. Ensure that the fields are set correctly.</p>

MQI return codes

2143	X'85F'	<p>MQRC_SOURCE_LENGTH_ERROR</p> <p>Source length parameter not valid.</p> <p>On the MQXCNVC call, the <i>SourceLength</i> parameter specifies a length that is less than zero or not consistent with the string's character set or content (for example, the character set is a double-byte character set, but the length is not a multiple of two). This reason also occurs if the <i>SourceLength</i> parameter pointer is not valid. (It is not always possible to detect parameter pointers that are not valid; if not detected, unpredictable results occur.)</p> <p>Corrective action: Specify a length that is zero or greater.</p>
2144	X'860'	<p>MQRC_TARGET_LENGTH_ERROR</p> <p>Target length parameter not valid.</p> <p>On the MQXCNVC call, the <i>TargetLength</i> parameter is not valid for one of the following reasons:</p> <ul style="list-style-type: none"> • <i>TargetLength</i> is less than zero. • The <i>TargetLength</i> parameter pointer is not valid. (It is not always possible to detect parameter pointers that are not valid; if not detected, unpredictable results occur.) • The MQDCC_FILL_TARGET_BUFFER option is specified, but the value of <i>TargetLength</i> is such that the target buffer cannot be filled completely with valid characters. This can occur when <i>TargetCCSID</i> is a pure DBCS character set (such as UCS-2), but <i>TargetLength</i> specifies a length that is an odd number of bytes. <p>Corrective action: Specify a length that is zero or greater. If the MQDCC_FILL_TARGET_BUFFER option is specified, and <i>TargetCCSID</i> is a pure DBCS character set, ensure that <i>TargetLength</i> specifies a length that is a multiple of two.</p>
2145	X'861'	<p>MQRC_SOURCE_BUFFER_ERROR</p> <p>Source buffer parameter not valid.</p> <p>On the MQXCNVC call, the <i>SourceBuffer</i> parameter pointer is not valid, or points to storage that cannot be accessed for the entire length specified by <i>SourceLength</i>. (It is not always possible to detect parameter pointers that are not valid; if not detected, unpredictable results occur.)</p> <p>Corrective action: Specify a valid buffer.</p>
2146	X'862'	<p>MQRC_TARGET_BUFFER_ERROR</p> <p>Target buffer parameter not valid.</p> <p>On the MQXCNVC call, the <i>TargetBuffer</i> parameter pointer is not valid, or points to read-only storage, or to storage that cannot be accessed for the entire length specified by <i>TargetLength</i>. (It is not always possible to detect parameter pointers that are not valid; if not detected, unpredictable results occur.)</p> <p>Corrective action: Specify a valid buffer.</p>
2148	X'864'	<p>MQRC_IIH_ERROR</p> <p>IMS information header structure not valid.</p> <p>On an MQPUT or MQPUT1 call, the IMS information header structure MQIIH in the message data is not valid.</p> <p>This reason code occurs in the following environments: AIX, DOS clients, HP-UX, OS/2 Warp, OS/400, Sun Solaris, Windows clients, Windows NT.</p> <p>Corrective action: Correct the definition of the MQIIH structure. Ensure that the fields are set correctly.</p>
2149	X'865'	<p>MQRC_PCF_ERROR</p> <p>PCF structures not valid.</p> <p>An MQPUT or MQPUT1 call was issued to put a message containing PCF data, but the length of the message does not equal the sum of the lengths of the PCF structures present in the message. This can occur for messages with the following format names:</p> <ul style="list-style-type: none"> MQFMT_ADMIN MQFMT_EVENT MQFMT_PCF <p>This reason code occurs in the following environments: AIX, DOS clients, HP-UX, OS/2 Warp, OS/400, Sun Solaris, Windows clients, Windows NT.</p> <p>Corrective action: Ensure that the length of the message specified on the MQPUT or MQPUT1 call equals the sum of the lengths of the PCF structures contained within the message data.</p>

2150	X'866'	<p>MQRC_DBCS_ERROR</p> <p>DBCS string not valid.</p> <p>On the MQXCNV call, the <i>SourceCCSID</i> parameter specifies the coded character-set identifier of a double-byte character set (DBCS), but the <i>SourceBuffer</i> parameter does not contain a valid DBCS string. This might be because the string contains characters which are not valid DBCS characters, or because the string is a mixed SBCS/DBCS string and the shift-out/shift-in characters are not correctly paired.</p> <p>Corrective action: Specify a valid string.</p>
2152	X'868'	<p>MQRC_OBJECT_NAME_ERROR</p> <p>Object name not valid.</p> <p>An MQOPEN or MQPUT1 call was issued to open a distribution list (that is, the <i>RecsPresent</i> field in MQOD is greater than zero), but the <i>ObjectName</i> field is neither blank nor the null string.</p> <p>This reason code occurs in the following environments: AIX, DOS clients, HP-UX, OS/2 Warp, OS/400, Sun Solaris, Windows clients, Windows NT.</p> <p>Corrective action: If it is intended to open a distribution list, set the <i>ObjectName</i> field to blanks or the null string. If it is not intended to open a distribution list, set the <i>RecsPresent</i> field to zero.</p>
2153	X'869'	<p>MQRC_OBJECT_Q_MGR_NAME_ERROR</p> <p>Object queue-manager name not valid.</p> <p>An MQOPEN or MQPUT1 call was issued to open a distribution list (that is, the <i>RecsPresent</i> field in MQOD is greater than zero), but the <i>ObjectQMgrName</i> field is neither blank nor the null string.</p> <p>This reason code occurs in the following environments: AIX, DOS clients, HP-UX, OS/2 Warp, OS/400, Sun Solaris, Windows clients, Windows NT.</p> <p>Corrective action: If it is intended to open a distribution list, set the <i>ObjectQMgrName</i> field to blanks or the null string. If it is not intended to open a distribution list, set the <i>RecsPresent</i> field to zero.</p>
2154	X'86A'	<p>MQRC_RECS_PRESENT_ERROR</p> <p>Number of records present not valid.</p> <p>An MQOPEN or MQPUT1 call was issued, but the call failed for one of the following reasons:</p> <ul style="list-style-type: none"> • <i>RecsPresent</i> in MQOD is less than zero. • <i>ObjectType</i> in MQOD is not MQOT_Q, and <i>RecsPresent</i> is not zero. <i>RecsPresent</i> must be zero if the object being opened is not a queue. <p>This reason code occurs in the following environments: AIX, DOS clients, HP-UX, OS/2 Warp, OS/400, Sun Solaris, Windows clients, Windows NT.</p> <p>Corrective action: If it is intended to open a distribution list, set the <i>ObjectType</i> field to MQOT_Q and <i>RecsPresent</i> to the number of destinations in the list. If it is not intended to open a distribution list, set the <i>RecsPresent</i> field to zero.</p>
2155	X'86B'	<p>MQRC_OBJECT_RECORDS_ERROR</p> <p>Object records not valid.</p> <p>An MQOPEN or MQPUT1 call was issued to open a distribution list (that is, the <i>RecsPresent</i> field in MQOD is greater than zero), but the MQOR object records are not specified correctly. One of the following applies:</p> <ul style="list-style-type: none"> • <i>ObjectRecOffset</i> is zero and <i>ObjectRecPtr</i> is the null pointer or zero. • <i>ObjectRecOffset</i> is not zero and <i>ObjectRecPtr</i> is neither the null pointer nor zero. • <i>ObjectRecPtr</i> is not a valid pointer. • <i>ObjectRecPtr</i> or <i>ObjectRecOffset</i> points to storage that is not accessible. <p>This reason code occurs in the following environments: AIX, DOS clients, HP-UX, OS/2 Warp, OS/400, Sun Solaris, Windows clients, Windows NT.</p> <p>Corrective action: Ensure that one of <i>ObjectRecOffset</i> and <i>ObjectRecPtr</i> is zero and the other nonzero. Ensure that the field used points to accessible storage.</p>

MQI return codes

2156	X'86C'	<p>MQRC_RESPONSE_RECORDS_ERROR</p> <p>Response records not valid.</p> <p>An MQOPEN or MQPUT1 call was issued to open a distribution list (that is, the <i>RecsPresent</i> field in MQOD is greater than zero), but the MQRR response records are not specified correctly. One of the following applies:</p> <ul style="list-style-type: none"> • <i>ResponseRecOffset</i> is not zero and <i>ResponseRecPtr</i> is neither the null pointer nor zero. • <i>ResponseRecPtr</i> is not a valid pointer. • <i>ResponseRecPtr</i> or <i>ResponseRecOffset</i> points to storage that is not accessible. <p>This reason code occurs in the following environments: AIX, DOS clients, HP-UX, OS/2 Warp, OS/400, Sun Solaris, Windows clients, Windows NT.</p> <p>Corrective action: Ensure that at least one of <i>ResponseRecOffset</i> and <i>ResponseRecPtr</i> is zero. Ensure that the field used points to accessible storage.</p>
2157	X'86D'	<p>MQRC_ASID_MISMATCH</p> <p>Primary and home ASIDs differ.</p> <p>On any API call, the caller's primary ASID was found to be different from the home ASID.</p> <p>This reason code occurs only on OS/390.</p> <p>Corrective action: Correct the application. MQM calls cannot be issued in cross-memory mode.</p> <p>Applications should ensure that any uncommitted updates are backed out. Any unit of work that is coordinated by the queue manager is backed out automatically.</p>
2158	X'86E'	<p>MQRC_PMO_RECORD_FLAGS_ERROR</p> <p>Put message record flags not valid.</p> <p>An MQPUT or MQPUT1 call was issued to put a message, but the <i>PutMsgRecFields</i> field in the MQPMO structure is not valid, for one of the following reasons:</p> <ul style="list-style-type: none"> • The field contains flags which are not valid. • The message is being put to a distribution list, and put message records have been provided (that is, <i>RecsPresent</i> is greater than zero, and one of <i>PutMsgRecOffset</i> or <i>PutMsgRecPtr</i> is nonzero), but <i>PutMsgRecFields</i> has the value MQPMRF_NONE. • MQPMRF_ACCOUNTING_TOKEN is specified without either MQPMO_SET_IDENTITY_CONTEXT or MQPMO_SET_ALL_CONTEXT. <p>This reason code occurs in the following environments: AIX, DOS clients, HP-UX, OS/2 Warp, OS/400, Sun Solaris, Windows clients, Windows NT.</p> <p>Corrective action: Ensure that <i>PutMsgRecFields</i> is set with the appropriate MQPMRF_* flags to indicate which fields are present in the put message records. If MQPMRF_ACCOUNTING_TOKEN is specified, ensure that either MQPMO_SET_IDENTITY_CONTEXT or MQPMO_SET_ALL_CONTEXT is also specified. Alternatively, set both <i>PutMsgRecOffset</i> and <i>PutMsgRecPtr</i> to zero.</p>
2159	X'86F'	<p>MQRC_PUT_MSG_RECORDS_ERROR</p> <p>Put message records not valid.</p> <p>An MQPUT or MQPUT1 call was issued to put a message to a distribution list, but the MQPMPR put message records are not specified correctly. One of the following applies:</p> <ul style="list-style-type: none"> • <i>PutMsgRecOffset</i> is not zero and <i>PutMsgRecPtr</i> is neither the null pointer nor zero. • <i>PutMsgRecPtr</i> is not a valid pointer. • <i>PutMsgRecPtr</i> or <i>PutMsgRecOffset</i> points to storage that is not accessible. <p>This reason code occurs in the following environments: AIX, DOS clients, HP-UX, OS/2 Warp, OS/400, Sun Solaris, Windows clients, Windows NT.</p> <p>Corrective action: Ensure that at least one of <i>PutMsgRecOffset</i> and <i>PutMsgRecPtr</i> is zero. Ensure that the field used points to accessible storage.</p>

2160	X'870'	<p>MQRC_CONN_ID_IN_USE</p> <p>Connection identifier already in use.</p> <p>On an MQCONN call, the connection identifier assigned by MQSeries to the connection between a CICS or IMS allied address space and the queue manager conflicts with the connection identifier of another connected CICS or IMS system. The connection identifier assigned is as follows:</p> <ul style="list-style-type: none"> • For CICS, the applid • For IMS, the IMSID parameter on the IMSCTRL (sysgen) macro, or the IMSID parameter on the execution parameter (EXEC card in IMS control region JCL) • For batch, the job name • For TSO, the user ID <p>A conflict arises only if there are two CICS systems, two IMS systems, or one each of CICS and IMS, having the same connection identifiers. Batch and TSO connections need not have unique identifiers.</p> <p>This reason code occurs only on OS/390.</p> <p>Corrective action: Ensure that the naming conventions used in different systems that might connect to MQSeries do not conflict.</p>
2161	X'871'	<p>MQRC_Q_MGR QUIESCING</p> <p>Queue manager quiescing.</p> <p>The application attempted to connect to the queue manager, but the queue manager is in the quiescing state.</p> <p>On OS/400, and on OS/390 for CICS, the application either issued the MQCONN call, or issued the MQOPEN call when no connection was established.</p> <p>This reason code also occurs if the queue manager is in the quiescing state and an application issues one of the following calls:</p> <ul style="list-style-type: none"> • MQOPEN, with MQOO_FAIL_IF QUIESCING included in the <i>Options</i> parameter • MQGET, with MQGMO_FAIL_IF QUIESCING included in the <i>Options</i> field of the <i>GetMsgOpts</i> parameter • MQPUT or MQPUT1, with MQPMO_FAIL_IF QUIESCING included in the <i>Options</i> field of the <i>PutMsgOpts</i> parameter <p>Corrective action: The application should tidy up and stop. If the MQOO_FAIL_IF QUIESCING, MQPMO_FAIL_IF QUIESCING, and MQGMO_FAIL_IF QUIESCING options are not used, the application can continue working in order to complete and commit the current unit of work; but it should not start another unit of work.</p>
2162	X'872'	<p>MQRC_Q_MGR STOPPING</p> <p>Queue manager shutting down.</p> <p>A call has been issued when the queue manager is shutting down. If the call is an MQGET call with the MQGMO_WAIT option, the wait has been canceled. No more message-queuing calls can be issued.</p> <p>On OS/390, the MQRC_CONNECTION_BROKEN reason might be returned instead if, as a result of system scheduling factors, the queue manager shuts down before the call completes.</p> <p>Corrective action: The application should tidy up and stop. Applications should ensure that any uncommitted updates are backed out; any unit of work that is coordinated by the queue manager is backed out automatically.</p>
2163	X'873'	<p>MQRC_DUPLICATE_RECOV_COORD</p> <p>Recovery coordinator already exists.</p> <p>On an MQCONN call, a recovery coordinator already exists for the connection name specified on the connection call issued by the adapter.</p> <p>A conflict arises only if there are two CICS systems, two IMS systems, or one each of CICS and IMS, having the same connection identifiers. Batch and TSO connections need not have unique identifiers.</p> <p>This reason code occurs only on OS/390.</p> <p>Corrective action: Ensure that the naming conventions used in different systems that might connect to MQSeries do not conflict.</p>

MQI return codes

2173	X'87D'	<p>MQRC_PMO_ERROR</p> <p>Put-message options structure not valid.</p> <p>On an MQPUT or MQPUT1 call, the MQPMO structure is not valid. Either the <i>StrucId</i> mnemonic eye-catcher is not valid, or the <i>Version</i> is not recognized.</p> <p>This reason also occurs if:</p> <ul style="list-style-type: none"> • The parameter pointer is not valid. (It is not always possible to detect parameter pointers that are not valid; if not detected, unpredictable results occur.) • The queue manager cannot copy the changed structure to application storage, even though the call is successful. This can occur, for example, if the pointer points to read-only storage. <p>Corrective action: Correct the definition of the MQPMO structure. Ensure that required input fields are correctly set.</p>
2183	X'887'	<p>MQRC_API_EXIT_LOAD_ERROR</p> <p>Unable to load API-crossing exit.</p> <p>The API-crossing exit module could not be linked.</p> <p>If this reason is returned when the API-crossing exit is invoked <i>after</i> the call has been executed, the call itself might have executed correctly.</p> <p>This reason code occurs only on OS/390.</p> <p>Corrective action: Ensure that the correct library concatenation has been specified, and that the API-crossing exit module is executable and correctly named.</p> <p>Applications should ensure that any uncommitted updates are backed out. Any unit of work that is coordinated by the queue manager is backed out automatically.</p>
2184	X'888'	<p>MQRC_REMOTE_Q_NAME_ERROR</p> <p>Remote queue name not valid.</p> <p>On an MQOPEN or MQPUT1 call, one of the following occurred:</p> <ul style="list-style-type: none"> • A local definition of a remote queue (or an alias to one) was specified, but the <i>RemoteQName</i> attribute in the remote queue definition is entirely blank. Note that this error occurs even if the <i>XmitQName</i> in the definition is not blank. • The <i>ObjectQMGrName</i> field in the object descriptor was not blank and not the name of the local queue manager, but the <i>ObjectName</i> field is blank. <p>Corrective action: Alter the local definition of the remote queue and supply a valid remote queue name, or supply a nonblank <i>ObjectName</i> in the object descriptor, as appropriate.</p>
2185	X'889'	<p>MQRC_INCONSISTENT_PERSISTENCE</p> <p>Inconsistent persistence specification.</p> <p>The MQPUT call was issued to put a message that has a value for the <i>Persistence</i> field in MQMD that is different from the previous message put using that queue handle. This is not permitted when the MQPMO_LOGICAL_ORDER option is specified and there is already a current message group or logical message. All messages in a group and all segments in a logical message must be persistent, or all must be nonpersistent.</p> <p>This reason code occurs in the following environments: AIX, DOS clients, HP-UX, OS/2 Warp, OS/400, Sun Solaris, Windows clients, Windows NT.</p> <p>Corrective action: Modify the application to ensure that all of the messages in the group or logical message are put with the same value for the <i>Persistence</i> field in MQMD.</p>
2186	X'88A'	<p>MQRC_GMO_ERROR</p> <p>Get-message options structure not valid.</p> <p>On an MQGET call, the MQGMO structure is not valid. Either the <i>StrucId</i> mnemonic eye-catcher is not valid, or the <i>Version</i> is not recognized.</p> <p>This reason also occurs if:</p> <ul style="list-style-type: none"> • The parameter pointer is not valid. (It is not always possible to detect parameter pointers that are not valid; if not detected, unpredictable results occur.) • The queue manager cannot copy the changed structure to application storage, even though the call is successful. This can occur, for example, if the pointer points to read-only storage. <p>Corrective action: Correct the definition of the MQGMO structure. Ensure that required input fields are correctly set.</p>

2187	X'88B'	<p>MQRC_CICS_BRIDGE_RESTRICTION</p> <p>Requested function not supported by CICS bridge.</p> <p>It is not permitted to use the MQI from user transactions that are run in an MQSeries-CICS bridge environment where the bridge exit also uses the MQI. The MQI request fails. If this occurs in the bridge exit, it will result in a transaction abend. If it occurs in the user transaction, this might result in a transaction abend.</p> <p>This reason code occurs only on OS/390.</p> <p>Corrective action: The transaction cannot be run using the MQSeries-CICS bridge. Refer to the appropriate CICS manual for information about restrictions in the MQSeries-CICS bridge environment.</p>
2188	X'88C'	<p>MQRC_STOPPED_BY_CLUSTER_EXIT</p> <p>Call rejected by cluster-workload exit.</p> <p>An MQOPEN, MQPUT, or MQPUT1 call was issued to open or put a message on a cluster queue, but the cluster workload exit rejected the call.</p> <p>This reason code occurs in the following environments: AIX, DOS clients, HP-UX, OS/390, OS/2 Warp, Sun Solaris, Windows clients, Windows NT.</p> <p>Corrective action: Check the cluster workload exit to ensure that it has been written correctly. Determine why it rejected the call and correct the problem.</p>
2189	X'88D'	<p>MQRC_CLUSTER_RESOLUTION_ERROR</p> <p>Cluster name resolution failed.</p> <p>An MQOPEN, MQPUT, or MQPUT1 call was issued to open or put a message on a cluster queue, but the queue definition could not be resolved correctly because a response was required from the repository manager but none was available.</p> <p>This reason code occurs in the following environments: AIX, DOS clients, HP-UX, OS/390, OS/2 Warp, Sun Solaris, Windows clients, Windows NT.</p> <p>Corrective action: Check that the repository manager is operating and that the queue and channel definitions are correct.</p>
2190	X'88E'	<p>MQRC_CONVERTED_STRING_TOO_BIG</p> <p>Converted string too big for field.</p> <p>On an MQGET call with the MQGMO_CONVERT option included in the <i>GetMsgOpts</i> parameter, a string in a fixed-length field in the message expanded during data conversion and exceeded the size of the field. When this happens, the queue manager tries discarding trailing blank characters and characters following the first null character, in order to make the string fit, but in this case there were not enough characters that could be discarded.</p> <p>This reason code can also occur for messages with a format name of MQFMT_IMS_VAR_STRING. When this happens, it indicates that the IMS variable string expanded such that its length exceeded the capacity of the 2-byte binary length field contained within the structure of the IMS variable string (the queue manager never discards trailing blanks in an IMS variable string).</p> <p>The message is returned unconverted, with the <i>CompCode</i> parameter of the MQGET call set to MQCC_WARNING. If the message consists of several parts, each of which is described by its own character-set and encoding fields (for example, a message with format name MQFMT_DEAD_LETTER_HEADER), some parts might be converted and other parts not converted. However, the values returned in the various character-set and encoding fields always correctly describe the relevant message data.</p> <p>This reason code does not occur if the string could be made to fit by discarding trailing blank characters.</p> <p>Corrective action: Check that the fields in the message contain the correct values, and that the character-set identifiers specified by the sender and receiver of the message are correct. If they are, the layout of the data in the message must be modified to increase the lengths of the field(s) so that there is sufficient space to allow the string(s) to expand when converted.</p>
2191	X'88F'	<p>MQRC_TMC_ERROR</p> <p>Character trigger message structure not valid.</p> <p>On an MQPUT or MQPUT1 call, the character trigger message structure MQTMC or MQTMC2 in the message data is not valid.</p> <p>This reason code occurs in the following environments: AIX, DOS clients, HP-UX, OS/2 Warp, OS/400, Sun Solaris, Windows clients, Windows NT.</p> <p>Corrective action: Correct the definition of the MQTMC or MQTMC2 structure. Ensure that the fields are set correctly.</p>

MQI return codes

2192	X'890'	<p>MQRC_PAGESET_FULL</p> <p>Page set data set full.</p> <p>On an MQOPEN, MQPUT or MQPUT1 call, a page set data set was found to be full while attempting to open or put a message on a locally defined queue.</p> <p>This reason code occurs only on OS/390.</p> <p>Corrective action: Check which queues contain messages and look for any looping programs that might be unnecessarily filling up queues. Otherwise, request the system programmer to increase the size of the page set data sets.</p>
2193	X'891'	<p>MQRC_PAGESET_ERROR</p> <p>Error accessing page set data set.</p> <p>An error was encountered with the page set while attempting to access it for a locally defined queue. This could be because the queue is on a page set that does not exist. A console message is issued that tells you the number of the page set in error. For example if the error occurred in the TEST job, and your user ID is ABCDEFG, the message is:</p> <pre>CSQI041I CSQIALLC JOB TEST USER ABCDEFG HAD ERROR ACCESSING PAGE SET 27</pre> <p>If this reason code occurs while attempting to delete a dynamic queue with MQCLOSE, the dynamic queue has not been deleted.</p> <p>This reason code occurs only on OS/390.</p> <p>Corrective action: Check that the storage class for the queue maps to a valid page set using the DISPLAY Q(xx) STGCLASS, DISPLAY STGCLASS(xx), and DISPLAY USAGE PSID commands. If you are unable to resolve the problem, notify the system programmer who should:</p> <ul style="list-style-type: none"> • Collect the following diagnostic information: <ul style="list-style-type: none"> – A description of the actions that led to the error – A listing of the application program being run at the time of the error – Details of the page sets defined for use by MQSeries • Attempt to re-create the problem, and take a system dump immediately after the error occurs • Contact your IBM Support Center
2194	X'892'	<p>MQRC_NAME_NOT_VALID_FOR_TYPE</p> <p>Object name not valid for object type.</p> <p>An MQOPEN call was issued to open the queue manager definition, but the <i>ObjectName</i> field in the <i>ObjDesc</i> parameter is not blank.</p> <p>Corrective action: Ensure that the <i>ObjectName</i> field is set to blanks.</p>
2195	X'893'	<p>MQRC_UNEXPECTED_ERROR</p> <p>Unexpected error occurred.</p> <p>The call was rejected because an unexpected error occurred.</p> <p>Corrective Action: Check the application's parameter list to ensure, for example, that the correct number of parameters was passed, and that data pointers and storage keys are valid. If the problem cannot be resolved, contact your system programmer.</p> <ul style="list-style-type: none"> • On OS/390, check whether any information has been displayed on the console. If this error occurs on an MQCONN call, check that the subsystem named is an active MQ subsystem. In particular, check that it is not a DB2® subsystem. If the problem cannot be resolved, rerun the application with a CSQSNAP DD card (if you have not already got a dump) and send the resulting dump to IBM. • On OS/2 Warp and OS/400, consult the FFST record to obtain more detail about the problem. • On Digital OpenVMS, Tandem NSK, and UNIX platforms, consult the FDC file to obtain more detail about the problem.
2196	X'894'	<p>MQRC_UNKNOWN_XMIT_Q</p> <p>Unknown transmission queue.</p> <p>On an MQOPEN or MQPUT1 call, a message is to be sent to a remote queue manager. The <i>ObjectName</i> or the <i>ObjectQMgrName</i> in the object descriptor specifies the name of a local definition of a remote queue (in the latter case queue-manager aliasing is being used), but the <i>XmitQName</i> attribute of the definition is not blank and not the name of a locally-defined queue.</p> <p>Corrective action: Check the values specified for <i>ObjectName</i> and <i>ObjectQMgrName</i>. If these are correct, check the queue definitions. For more information on transmission queues, see the <i>MQSeries Application Programming Guide</i>.</p>

2197	X'895'	<p>MQRC_UNKNOWN_DEF_XMIT_Q</p> <p>Unknown default transmission queue.</p> <p>An MQOPEN or MQPUT1 call was issued specifying a remote queue as the destination. If a local definition of the remote queue was specified, or if a queue-manager alias is being resolved, the <i>XmitQName</i> attribute in the local definition is blank.</p> <p>Because there is no queue defined with the same name as the destination queue manager, the queue manager has attempted to use the default transmission queue. However, the name defined by the <i>DefXmitQName</i> queue-manager attribute is not the name of a locally-defined queue.</p> <p>Corrective Action: Correct the queue definitions, or the queue-manager attribute. See the <i>MQSeries Application Programming Guide</i> for more information.</p>
2198	X'896'	<p>MQRC_DEF_XMIT_Q_TYPE_ERROR</p> <p>Default transmission queue not local.</p> <p>An MQOPEN or MQPUT1 call was issued specifying a remote queue as the destination. Either a local definition of the remote queue was specified, or a queue-manager alias was being resolved, but in either case the <i>XmitQName</i> attribute in the local definition is blank.</p> <p>Because there is no transmission queue defined with the same name as the destination queue manager, the local queue manager has attempted to use the default transmission queue. However, although there is a queue defined by the <i>DefXmitQName</i> queue-manager attribute, it is not a local queue.</p> <p>Corrective Action: Do one of the following:</p> <ul style="list-style-type: none"> • Specify a local transmission queue as the value of the <i>XmitQName</i> attribute in the local definition of the remote queue. • Define a local transmission queue with a name which is the same as that of the remote queue manager. • Specify a local transmission queue as the value of the <i>DefXmitQName</i> queue-manager attribute. <p>See the <i>MQSeries Application Programming Guide</i>. for more information.</p>
2199	X'897'	<p>MQRC_DEF_XMIT_Q_USAGE_ERROR</p> <p>Default transmission queue usage error.</p> <p>An MQOPEN or MQPUT1 call was issued specifying a remote queue as the destination. Either a local definition of the remote queue was specified, or a queue-manager alias was being resolved, but in either case the <i>XmitQName</i> attribute in the local definition is blank.</p> <p>Because there is no transmission queue defined with the same name as the destination queue manager, the local queue manager has attempted to use the default transmission queue. However, the queue defined by the <i>DefXmitQName</i> queue-manager attribute does not have a <i>Usage</i> attribute of MQUS_TRANSMISSION.</p> <p>Corrective Action: Do one of the following:</p> <ul style="list-style-type: none"> • Specify a local transmission queue as the value of the <i>XmitQName</i> attribute in the local definition of the remote queue. • Define a local transmission queue with a name which is the same as that of the remote queue manager. • Specify a different local transmission queue as the value of the <i>DefXmitQName</i> queue-manager attribute. • Change the <i>Usage</i> attribute of the <i>DefXmitQName</i> queue to MQUS_TRANSMISSION. <p>See the <i>MQSeries Application Programming Guide</i>. for more information.</p>
2201	X'899'	<p>MQRC_NAME_IN_USE</p> <p>Name in use.</p> <p>An MQOPEN call was issued to create a dynamic queue, but a queue with the same name as the dynamic queue already exists. The existing queue is one that is logically deleted, but for which there are still one or more open handles.</p> <p>This reason code occurs only on OS/390.</p> <p>Corrective action: Either ensure that all handles for the previous dynamic queue are closed, or ensure that the name of the new queue is unique; see the description for reason code MQRC_OBJECT_ALREADY_EXISTS.</p>

MQI return codes

2202	X'89A'	<p>MQRC_CONNECTION QUIESCING</p> <p>Connection quiescing.</p> <p>This reason code is issued for CICS and IMS applications when the connection to the queue manager is in quiescing state, and an application issues one of the following calls:</p> <ul style="list-style-type: none"> • MQCONN • MQOPEN, with no connection established, or with MQOO_FAIL_IF QUIESCING included in the <i>Options</i> parameter • MQGET, with MQGMO_FAIL_IF QUIESCING included in the <i>Options</i> field of the <i>GetMsgOpts</i> parameter • MQPUT or MQPUT1, with MQPMO_FAIL_IF QUIESCING included in the <i>Options</i> field of the <i>PutMsgOpts</i> parameter <p>MQRC_CONNECTION QUIESCING is also issued by the message channel agent (MCA) when the queue manager is in quiescing state.</p> <p>This reason code occurs only on OS/390.</p> <p>Corrective action: The application should tidy up and terminate.</p>
2203	X'89B'	<p>MQRC_CONNECTION STOPPING</p> <p>Connection shutting down.</p> <p>This reason code is issued for CICS and IMS applications when the application issues any call but the connection to the queue manager is shutting down. If the call is an MQGET call with the MQGMO_WAIT option, the wait has been canceled. No more message-queuing calls can be issued.</p> <p>Note that the MQRC_CONNECTION_BROKEN reason might be returned instead if, as a result of system scheduling factors, the queue manager shuts down before the call completes.</p> <p>MQRC_CONNECTION_STOPPING is also issued by the message channel agent (MCA) when the queue manager is shutting down.</p> <p>This reason code occurs only on OS/390.</p> <p>Corrective action: The application should tidy up and terminate.</p> <p>Applications should ensure that any uncommitted updates are backed out. Any unit of work that is coordinated by the queue manager is backed out automatically.</p>
2204	X'89C'	<p>MQRC_ADAPTER_NOT_AVAILABLE</p> <p>Adapter not available.</p> <p>This is issued only for CICS applications, if any call is issued and the CICS adapter (a Task Related User Exit) has been disabled, or has not been enabled.</p> <p>This reason code occurs only on OS/390.</p> <p>Corrective action: The application should tidy up and terminate.</p> <p>Applications should ensure that any uncommitted updates are backed out. Any unit of work that is coordinated by the queue manager is backed out automatically.</p>
2206	X'89E'	<p>MQRC_MSG_ID_ERROR</p> <p>Message-identifier error.</p> <p>On an MQGET call, the <i>MsgId</i> field is not zero. Selective retrieval by message identifier is not supported.</p> <p>Corrective action: Ensure that the <i>MsgId</i> field is zero.</p>
2207	X'89F'	<p>MQRC_CORREL_ID_ERROR</p> <p>Correlation-identifier error.</p> <p>On an MQGET call, the <i>CorrelId</i> field is not zero. Selective retrieval by correlation identifier is not supported.</p> <p>Corrective action: Ensure that the <i>CorrelId</i> field is zero.</p>
2208	X'8A0'	<p>MQRC_FILE_SYSTEM_ERROR</p> <p>File-system error.</p> <p>An unexpected return code was received from the file system, in attempting to perform an operation on a queue.</p> <p>This reason code occurs only on VSE/ESA.</p> <p>Corrective action: Check the file system definition for the queue that was being accessed. For a VSAM file, check that the control interval is large enough for the maximum message length allowed for the queue.</p>

2209	X'8A1'	<p>MQRC_NO_MSG_LOCKED</p> <p>No message locked.</p> <p>An MQGET call was issued with the MQGMO_UNLOCK option, but no message was currently locked.</p> <p>On OS/390, this reason code does not occur.</p> <p>Corrective action: Check that a message was locked by an earlier MQGET call with the MQGMO_LOCK option for the same handle, and that no intervening call has caused the message to become unlocked.</p>
2217	X'8A9'	<p>MQRC_CONNECTION_NOT_AUTHORIZED</p> <p>Not authorized for connection.</p> <p>This reason code arises only for CICS applications. For these, connection to the queue manager is done by the adapter. If that connection fails because the CICS subsystem is not authorized to connect to the queue manager, this reason code is issued whenever an application running under that subsystem subsequently issues an MQI call.</p> <p>This reason code occurs only on OS/390.</p> <p>Corrective action: Ensure that the subsystem is authorized to connect to the queue manager.</p>
2218	X'8AA'	<p>MQRC_MSG_TOO_BIG_FOR_CHANNEL</p> <p>Message length greater than maximum for channel.</p> <p>A message was put to a remote queue, but the message is larger than the maximum message length allowed by the channel. This reason code is returned in the <i>Feedback</i> field in the message descriptor of a report message.</p> <p>On OS/390, this return code is issued only if you are not using CICS for distributed queuing. Otherwise, MQRC_MSG_TOO_BIG_FOR_Q_MGR is issued.</p> <p>Corrective action: Check the channel definitions. Increase the maximum message length that the channel can accept, or break the message into several smaller messages.</p>
2219	X'8AB'	<p>MQRC_CALL_IN_PROGRESS</p> <p>MQI call reentered before previous call complete.</p> <p>The application issued an MQI call whilst another MQI call was already being processed for that connection. Only one call per application connection can be processed at a time.</p> <p>Concurrent calls can arise only in certain specialized situations, such as in an exit invoked as part of the processing of an MQI call. For example, the data-conversion exit might be invoked as part of the processing of the MQGET call.</p> <ul style="list-style-type: none"> • On OS/390, concurrent calls can arise only with batch or IMS applications; an example is when a subtask ends while an MQI call is in progress (for example, an MQGET which is waiting), and there is an end-of-task exit routine that issues another MQI call. • On OS/2 Warp, Windows clients, and Windows NT concurrent calls can also arise if an MQI call is issued in response to a user message while another MQI call is in progress. <p>Corrective action: Ensure that an MQI call cannot be issued while another one is active. Do not issue MQI calls from within a data-conversion exit.</p> <p>On OS/390, if you want to provide a subtask to allow an application that is waiting for a message to arrive to be canceled, use MQGET with MQGMO_SET_SIGNAL, rather than with MQGMO_WAIT, to wait for the message.</p>
2220	X'8AC'	<p>MQRC_RMH_ERROR</p> <p>Reference message header structure not valid.</p> <p>On an MQPUT or MQPUT1 call, the reference message header structure MQRMH in the message data is not valid.</p> <p>This reason code occurs in the following environments: AIX, DOS clients, HP-UX, OS/2 Warp, OS/400, Sun Solaris, Windows clients, Windows NT.</p> <p>Corrective action: Correct the definition of the MQRMH structure. Ensure that the fields are set correctly.</p>
2222	X'8AE'	<p>MQRC_Q_MGR_ACTIVE</p> <p>Queue manager created.</p> <p>This condition is detected when a queue manager becomes active.</p> <p>On OS/390, this event is not generated for the first start of a queue manager, only on subsequent restarts.</p> <p>Corrective action: None. This reason code is only used to identify the corresponding event message.</p>

MQI return codes

2223	X'8AE'	<p>MQRC_Q_MGR_NOT_ACTIVE</p> <p>Queue manager unavailable.</p> <p>This condition is detected when a queue manager is requested to stop or quiesce.</p> <p>Corrective action: None. This reason code is only used to identify the corresponding event message.</p>
2224	X'8B0'	<p>MQRC_Q_DEPTH_HIGH</p> <p>Queue depth high limit reached or exceeded.</p> <p>An MQPUT or MQPUT1 call has caused the queue depth to be incremented to or above the limit specified in the <i>QDepthHighLimit</i> attribute.</p> <p>Corrective action: None. This reason code is only used to identify the corresponding event message.</p>
2225	X'8B1'	<p>MQRC_Q_DEPTH_LOW</p> <p>Queue depth low limit reached or exceeded.</p> <p>An MQGET call has caused the queue depth to be decremented to or below the limit specified in the <i>QDepthLowLimit</i> attribute.</p> <p>Corrective action: None. This reason code is only used to identify the corresponding event message.</p>
2226	X'8B2'	<p>MQRC_Q_SERVICE_INTERVAL_HIGH</p> <p>Queue service interval high.</p> <p>No successful gets or puts have been detected within an interval which is greater than the limit specified in the <i>QServiceInterval</i> attribute.</p> <p>Corrective action: None. This reason code is only used to identify the corresponding event message.</p>
2227	X'8B3'	<p>MQRC_Q_SERVICE_INTERVAL_OK</p> <p>Queue service interval ok.</p> <p>A successful get has been detected within an interval which is less than or equal to the limit specified in the <i>QServiceInterval</i> attribute.</p> <p>Corrective action: None. This reason code is only used to identify the corresponding event message.</p>
2232	X'8B8'	<p>MQRC_UNIT_OF_WORK_NOT_STARTED</p> <p>Unit of work not started.</p> <p>An MQGET, MQPUT or MQPUT1 call was issued to get or put a message within a unit of work, but no TM/MP transaction had been started. If MQGMO_NO_SYNCPOINT is not specified on MQGET, or MQPMO_NO_SYNCPOINT is not specified on MQPUT or MQPUT1 (the default), the call requires a unit of work.</p> <p>Corrective action: Ensure a TM/MP transaction is available, or issue the MQGET call with the MQGMO_NO_SYNCPOINT option, or the MQPUT or MQPUT1 call with the MQPMO_NO_SYNCPOINT option, which will cause a transaction to be started automatically.</p>
2233	X'8B9'	<p>MQRC_CHANNEL_AUTO_DEF_OK</p> <p>Automatic channel definition succeeded.</p> <p>This condition is detected when the automatic definition of a channel is successful. The channel is defined by the MCA.</p> <p>This reason code occurs in the following environments: AIX, DOS clients, HP-UX, OS/2 Warp, OS/400, Sun Solaris, Windows clients, Windows NT.</p> <p>Corrective action: None. This reason code is only used to identify the corresponding event message.</p>
2234	X'8BA'	<p>MQRC_CHANNEL_AUTO_DEF_ERROR</p> <p>Automatic channel definition failed.</p> <p>This condition is detected when the automatic definition of a channel fails; this might be because an error occurred during the definition process, or because the channel automatic-definition exit inhibited the definition. Additional information is returned in the event message indicating the reason for the failure.</p> <p>This reason code occurs in the following environments: AIX, DOS clients, HP-UX, OS/2 Warp, OS/400, Sun Solaris, Windows clients, Windows NT.</p> <p>Corrective action: Examine the additional information returned in the event message to determine the reason for the failure.</p>

2235	X'8BB'	<p>MQRC_CFH_ERROR</p> <p>PCF header structure not valid.</p> <p>On an MQPUT or MQPUT1 call, the PCF header structure MQCFH in the message data is not valid.</p> <p>This reason code occurs in the following environments: AIX, DOS clients, HP-UX, OS/2 Warp, OS/400, Sun Solaris, Windows clients, Windows NT.</p> <p>Corrective action: Correct the definition of the MQCFH structure. Ensure that the fields are set correctly.</p>
2236	X'8BC'	<p>MQRC_CFIL_ERROR</p> <p>PCF integer list parameter structure not valid.</p> <p>On an MQPUT or MQPUT1 call, the PCF integer list parameter structure MQCFIL in the message data is not valid.</p> <p>This reason code occurs in the following environments: AIX, DOS clients, HP-UX, OS/2 Warp, OS/400, Sun Solaris, Windows clients, Windows NT.</p> <p>Corrective action: Correct the definition of the MQCFIL structure. Ensure that the fields are set correctly.</p>
2237	X'8BD'	<p>MQRC_CFIN_ERROR</p> <p>PCF integer parameter structure not valid.</p> <p>On an MQPUT or MQPUT1 call, the PCF integer parameter structure MQCFIN in the message data is not valid.</p> <p>This reason code occurs in the following environments: AIX, DOS clients, HP-UX, OS/2 Warp, OS/400, Sun Solaris, Windows clients, Windows NT.</p> <p>Corrective action: Correct the definition of the MQCFIN structure. Ensure that the fields are set correctly.</p>
2238	X'8BE'	<p>MQRC_CFSL_ERROR</p> <p>PCF string list parameter structure not valid.</p> <p>On an MQPUT or MQPUT1 call, the PCF string list parameter structure MQCFSL in the message data is not valid.</p> <p>This reason code occurs in the following environments: AIX, DOS clients, HP-UX, OS/2 Warp, OS/400, Sun Solaris, Windows clients, Windows NT.</p> <p>Corrective action: Correct the definition of the MQCFSL structure. Ensure that the fields are set correctly.</p>
2239	X'8BF'	<p>MQRC_CFST_ERROR</p> <p>PCF string parameter structure not valid.</p> <p>On an MQPUT or MQPUT1 call, the PCF string parameter structure MQCFST in the message data is not valid.</p> <p>This reason code occurs in the following environments: AIX, DOS clients, HP-UX, OS/2 Warp, OS/400, Sun Solaris, Windows clients, Windows NT.</p> <p>Corrective action: Correct the definition of the MQCFST structure. Ensure that the fields are set correctly.</p>
2241	X'8C1'	<p>MQRC_INCOMPLETE_GROUP</p> <p>Message group not complete.</p> <p>An operation was attempted on a queue using a queue handle that had an incomplete message group. This reason code can arise in the following situations:</p> <ul style="list-style-type: none"> • On the MQPUT call, when the application attempts to put a message which is not in a group and specifies MQPMO_LOGICAL_ORDER. The call fails in this case. • On the MQPUT call, when the application attempts to put a message which is not the next one in the group, does <i>not</i> specify MQPMO_LOGICAL_ORDER, but the previous MQPUT call for the queue handle did specify MQPMO_LOGICAL_ORDER. The call succeeds with completion code MQCC_WARNING in this case. • On the MQGET call, when the application attempts to get a message which is not the next one in the group, does <i>not</i> specify MQGMO_LOGICAL_ORDER, but the previous MQGET call for the queue handle did specify MQGMO_LOGICAL_ORDER. The call succeeds with completion code MQCC_WARNING in this case. • On the MQCLOSE call, when the application attempts to close the queue that has the incomplete message group. The call succeeds with completion code MQCC_WARNING. <p>If there is an incomplete logical message as well as an incomplete message group, reason code MQRC_INCOMPLETE_MSG is returned in preference to MQRC_INCOMPLETE_GROUP.</p> <p>This reason code occurs in the following environments: AIX, DOS clients, HP-UX, OS/2 Warp, OS/400, Sun Solaris, Windows clients, Windows NT.</p> <p>Corrective action: If this reason code is expected, no corrective action is required. Otherwise, ensure that the MQPUT call for the last message in the group specifies MQMF_LAST_MSG_IN_GROUP.</p>

MQI return codes

2242	X'8C2'	<p>MQRC_INCOMPLETE_MSG</p> <p>Logical message not complete.</p> <p>An operation was attempted on a queue using a queue handle that had an incomplete logical message. This reason code can arise in the following situations:</p> <ul style="list-style-type: none"> • On the MQPUT call, when the application attempts to put a message which is not a segment and specifies MQPMO_LOGICAL_ORDER. The call fails in this case. • On the MQPUT call, when the application attempts to put a message which is not the next segment, does <i>not</i> specify MQPMO_LOGICAL_ORDER, but the previous MQPUT call for the queue handle did specify MQPMO_LOGICAL_ORDER. The call succeeds with completion code MQCC_WARNING in this case. • On the MQGET call, when the application attempts to get a message which is not the next segment, does <i>not</i> specify MQGMO_LOGICAL_ORDER, but the previous MQGET call for the queue handle did specify MQGMO_LOGICAL_ORDER. The call succeeds with completion code MQCC_WARNING in this case. • On the MQCLOSE call, when the application attempts to close the queue that has the incomplete logical message. The call succeeds with completion code MQCC_WARNING. <p>This reason code occurs in the following environments: AIX, DOS clients, HP-UX, OS/2 Warp, OS/400, Sun Solaris, Windows clients, Windows NT.</p> <p>Corrective action: If this reason code is expected, no corrective action is required. Otherwise, ensure that the MQPUT call for the last segment specifies MQMF_LAST_SEGMENT.</p>
2243	X'8C3'	<p>MQRC_INCONSISTENT_CCSIDS</p> <p>Message segments have differing CCSIDs.</p> <p>An MQGET call was issued specifying the MQGMO_COMPLETE_MSG option, but the message to be retrieved consists of two or more segments which have differing values for the <i>CodedCharSetId</i> field in MQMD. This can arise when the segments take different paths through the network, and some of those paths have MCA sender conversion enabled. The call succeeds with a completion code of MQCC_WARNING, but only the first few segments that have identical character-set identifiers are returned.</p> <p>This reason code occurs in the following environments: AIX, DOS clients, HP-UX, OS/2 Warp, OS/400, Sun Solaris, Windows clients, Windows NT.</p> <p>Corrective action: Remove the MQGMO_COMPLETE_MSG option from the MQGET call and retrieve the remaining message segments one by one.</p>
2244	X'8C4'	<p>MQRC_INCONSISTENT_ENCODINGS</p> <p>Message segments have differing encodings.</p> <p>An MQGET call was issued specifying the MQGMO_COMPLETE_MSG option, but the message to be retrieved consists of two or more segments which have differing values for the <i>Encoding</i> field in MQMD. This can arise when the segments take different paths through the network, and some of those paths have MCA sender conversion enabled. The call succeeds with a completion code of MQCC_WARNING, but only the first few segments that have identical encodings are returned.</p> <p>This reason code occurs in the following environments: AIX, DOS clients, HP-UX, OS/2 Warp, OS/400, Sun Solaris, Windows clients, Windows NT.</p> <p>Corrective action: Remove the MQGMO_COMPLETE_MSG option from the MQGET call and retrieve the remaining message segments one by one.</p>

2245	X'8C5'	<p>MQRC_INCONSISTENT_UOW</p> <p>Inconsistent unit-of-work specification.</p> <p>One of the following applies:</p> <ul style="list-style-type: none"> An MQPUT call was issued to put a message in a group or a segment of a logical message, but the value specified or defaulted for the MQPMO_SYNCPOINT option is not consistent with the current group and segment information retained by the queue manager for the queue handle. <p>If the current call specifies MQPMO_LOGICAL_ORDER, the call fails. If the current call does not specify MQPMO_LOGICAL_ORDER, but the previous MQPUT call for the queue handle did, the call succeeds with completion code MQCC_WARNING.</p> <ul style="list-style-type: none"> An MQGET call was issued to remove from the queue a message in a group or a segment of a logical message, but the value specified or defaulted for the MQGMO_SYNCPOINT option is not consistent with the current group and segment information retained by the queue manager for the queue handle. <p>If the current call specifies MQGMO_LOGICAL_ORDER, the call fails. If the current call does not specify MQGMO_LOGICAL_ORDER, but the previous MQGET call for the queue handle did, the call succeeds with completion code MQCC_WARNING.</p> <p>This reason code occurs in the following environments: AIX, DOS clients, HP-UX, OS/2 Warp, OS/400, Sun Solaris, Windows clients, Windows NT.</p> <p>Corrective action: Modify the application to ensure that the same unit-of-work specification is used for all messages in the group, or all segments of the logical message.</p>
2246	X'8C6'	<p>MQRC_INVALID_MSG_UNDER_CURSOR</p> <p>Message under cursor not valid for retrieval.</p> <p>An MQGET call was issued specifying the MQGMO_COMPLETE_MSG option with either MQGMO_MSG_UNDER_CURSOR or MQGMO_BROWSE_MSG_UNDER_CURSOR, but the message that is under the cursor has an MQMD with an <i>Offset</i> field that is greater than zero. Because MQGMO_COMPLETE_MSG was specified, the message is not valid for retrieval.</p> <p>This reason code occurs in the following environments: AIX, DOS clients, HP-UX, OS/2 Warp, OS/400, Sun Solaris, Windows clients, Windows NT.</p> <p>Corrective action: Reposition the browse cursor so that it is located on a message whose <i>Offset</i> field in MQMD is zero. Alternatively, remove the MQGMO_COMPLETE_MSG option.</p>
2247	X'8C7'	<p>MQRC_MATCH_OPTIONS_ERROR</p> <p>Match options not valid.</p> <p>An MQGET call was issued, but the value of the <i>MatchOptions</i> field in the <i>GetMsgOpts</i> parameter is not valid. Either an undefined option is specified, or a defined option which is not valid in the current circumstances is specified. In the latter case, it means that all of the following are true:</p> <ul style="list-style-type: none"> MQGMO_LOGICAL_ORDER is specified. There is a current message group or logical message for the queue handle. Neither of the following options is specified: <ul style="list-style-type: none"> MQGMO_BROWSE_MSG_UNDER_CURSOR MQGMO_MSG_UNDER_CURSOR One or more of the MQMO_* options is specified. The values of the fields in the <i>MsgDesc</i> parameter corresponding to the MQMO_* options specified, differ from the values of those fields in the MQMD for the message to be returned next. <p>This reason code occurs in the following environments: AIX, DOS clients, HP-UX, OS/2 Warp, OS/400, Sun Solaris, Windows clients, Windows NT.</p> <p>Corrective action: Ensure that only valid options are specified for the field.</p>

MQI return codes

2248	X'8C8'	<p>MQRC_MDE_ERROR</p> <p>Message descriptor extension not valid.</p> <p>The MQMDE structure at the start of the application message data is not valid, for one of the following reasons:</p> <ul style="list-style-type: none"> • The <i>StrucId</i> mnemonic eye-catcher is not MQMDE_STRUC_ID. • The <i>Version</i> field is less than MQMDE_VERSION_2. • The <i>StrucLength</i> field is less than MQMDE_LENGTH_2, or (for <i>Version</i> equal to MQMDE_VERSION_2 only) greater than MQMDE_LENGTH_2. <p>This reason code occurs in the following environments: AIX, DOS clients, HP-UX, OS/2 Warp, OS/400, Sun Solaris, Windows clients, Windows NT.</p> <p>Corrective action: Correct the definition of the message descriptor extension. Ensure that required input fields are correctly set.</p>
2249	X'8C9'	<p>MQRC_MSG_FLAGS_ERROR</p> <p>Message flags not valid.</p> <p>An MQPUT or MQPUT1 call was issued, but the <i>MsgFlags</i> field in the message descriptor MQMD contains one or more message flags which are not recognized by the local queue manager. The message flags that cause this reason code to be returned depend on the destination of the message.</p> <p>This reason code can also occur in the <i>Feedback</i> field in the MQMD of a report message, or in the <i>Reason</i> field in the MQDLH structure of a message on the dead-letter queue; in both cases it indicates that the destination queue manager does not support one or more of the message flags specified by the sender of the message.</p> <p>This reason code occurs in the following environments: AIX, DOS clients, HP-UX, OS/2 Warp, OS/400, Sun Solaris, Windows clients, Windows NT.</p> <p>Corrective action: Do the following:</p> <ol style="list-style-type: none"> 1. Ensure that the <i>MsgFlags</i> field in the message descriptor is initialized with a value when the message descriptor is declared, or is assigned a value prior to the MQPUT or MQPUT1 call. Specify MQMF_NONE if no message flags are needed. 2. Ensure that the message flags specified are ones which are documented in the <i>MQSeries Application Programming Reference</i>. Remove any message flags which are not documented in this book. 3. If multiple message flags are being set by adding the individual message flags together, ensure that the same message flag is not added twice.
2250	X'8CA'	<p>MQRC_MSG_SEQ_NUMBER_ERROR</p> <p>Message sequence number not valid.</p> <p>An MQGET, MQPUT, or MQPUT1 call was issued, but the value of the <i>MsgSeqNumber</i> field in the MQMD or MQMDE structure is less than one or greater than 999999999.</p> <p>This error can also occur on the MQPUT call if the <i>MsgSeqNumber</i> field would have become greater than 999999999 as a result of the call.</p> <p>This reason code occurs in the following environments: AIX, DOS clients, HP-UX, OS/2 Warp, OS/400, Sun Solaris, Windows clients, Windows NT.</p> <p>Corrective action: Specify a value in the range 1 through 999999999. Do not attempt to create a message group containing more than 999999999 messages.</p>
2251	X'8CB'	<p>MQRC_OFFSET_ERROR</p> <p>Message segment offset not valid.</p> <p>An MQPUT or MQPUT1 call was issued, but the value of the <i>Offset</i> field in the MQMD or MQMDE structure is less than zero or greater than 999999999.</p> <p>This error can also occur on the MQPUT call if the <i>Offset</i> field would have become greater than 999999999 as a result of the call.</p> <p>This reason code occurs in the following environments: AIX, DOS clients, HP-UX, OS/2 Warp, OS/400, Sun Solaris, Windows clients, Windows NT.</p> <p>Corrective action: Specify a value in the range 0 through 999999999. Do not attempt to create a message segment which would extend beyond an offset of 999999999.</p>

2252	X'8CC'	<p>MQRC_ORIGINAL_LENGTH_ERROR</p> <p>Original length not valid.</p> <p>An MQPUT or MQPUT1 call was issued to put a report message which is reporting on a segment, but the <i>OriginalLength</i> field in the MQMD or MQMDE structure is either:</p> <ul style="list-style-type: none"> • Less than one (for a segment which is not the last segment), or • Less than zero (for a segment which is the last segment) <p>This reason code occurs in the following environments: AIX, DOS clients, HP-UX, OS/2 Warp, OS/400, Sun Solaris, Windows clients, Windows NT.</p> <p>Corrective action: Specify a value which is greater than zero. Zero is valid only for the last segment.</p>
2253	X'8CD'	<p>MQRC_SEGMENT_LENGTH_ZERO</p> <p>Length of data in message segment is zero.</p> <p>An MQPUT or MQPUT1 call was issued to put the first or intermediate segment of a logical message, but the length of the application message data in the segment (excluding any MQ headers that might be present) is zero. The length must be at least one for the first or intermediate segment.</p> <p>This reason code occurs in the following environments: AIX, DOS clients, HP-UX, OS/2 Warp, OS/400, Sun Solaris, Windows clients, Windows NT.</p> <p>Corrective action: Check the application logic to ensure that segments are put with a length of one or greater. Only the last segment of a logical message is permitted to have a zero length.</p>
2255	X'8CF'	<p>MQRC_UOW_NOT_AVAILABLE</p> <p>Unit of work not available for the queue manager to use.</p> <p>An MQGET, MQPUT, or MQPUT1 call was issued to get or put a message outside a unit of work, but the options specified on the call required the queue manager to process the call within a unit of work. Because there is already a user-defined unit of work in existence, the queue manager was unable to create a temporary unit of work for the duration of the call.</p> <p>This reason occurs in the following circumstances:</p> <ul style="list-style-type: none"> • On an MQGET call, when the MQGMO_COMPLETE_MSG option is specified in MQGMO and the logical message to be retrieved is persistent and consists of two or more segments. • On an MQPUT or MQPUT1 call, when the MQMF_SEGMENTATION_ALLOWED flag is specified in MQMD and the message requires segmentation. <p>This reason code occurs in the following environments: AIX, DOS clients, HP-UX, OS/2 Warp, OS/400, Sun Solaris, Windows clients, Windows NT.</p> <p>Corrective action: Issue the MQGET, MQPUT, or MQPUT1 call inside the user-defined unit of work. Alternatively, for the MQPUT or MQPUT1 call, reduce the size of the message so that it does not require segmentation by the queue manager.</p>
2256	X'8D0'	<p>MQRC_WRONG_GMO_VERSION</p> <p>Wrong version of MQGMO supplied.</p> <p>An MQGET call was issued specifying options that required an MQGMO with a version number not less than MQGMO_VERSION_2, but the MQGMO supplied did not satisfy this condition.</p> <p>This reason code occurs in the following environments: AIX, DOS clients, HP-UX, OS/2 Warp, OS/400, Sun Solaris, Windows clients, Windows NT.</p> <p>Corrective action: Modify the application to pass a version-2 MQGMO. Check the application logic to ensure that the <i>Version</i> field in MQGMO has been set to MQGMO_VERSION_2. Alternatively, remove the option that requires the version-2 MQGMO.</p>
2257	X'8D1'	<p>MQRC_WRONG_MD_VERSION</p> <p>Wrong version of MQMD supplied.</p> <p>An MQGET, MQPUT, or MQPUT1 call was issued specifying options that required an MQMD with a version number not less than MQMD_VERSION_2, but the MQMD supplied did not satisfy this condition.</p> <p>This reason code occurs in the following environments: AIX, DOS clients, HP-UX, OS/2 Warp, OS/400, Sun Solaris, Windows clients, Windows NT.</p> <p>Corrective action: Modify the application to pass a version-2 MQMD. Check the application logic to ensure that the <i>Version</i> field in MQMD has been set to MQMD_VERSION_2. Alternatively, remove the option that requires the version-2 MQMD.</p>

MQI return codes

2258	X'8D2'	<p>MQRC_GROUP_ID_ERROR</p> <p>Group identifier not valid.</p> <p>An MQPUT or MQPUT1 call was issued to put a distribution-list message that is also a message in a group, a message segment, or has segmentation allowed, but an invalid combination of options and values was specified. All of the following are true:</p> <ul style="list-style-type: none"> • MQPMO_LOGICAL_ORDER is not specified in the <i>Options</i> field in MQPMO. • Either there are too few MQPMR records provided by MQPMO, or the <i>GroupId</i> field is not present in the MQPMR records. • One or more of the following flags is specified in the <i>MsgFlags</i> field in MQMD or MQMDE: <ul style="list-style-type: none"> MQMF_SEGMENTATION_ALLOWED MQMF_*_MSG_IN_GROUP MQMF_*_SEGMENT • The <i>GroupId</i> field in MQMD or MQMDE is not MQGI_NONE. <p>This combination of options and values would result in the same group identifier being used for all of the destinations in the distribution list; this is not permitted by the queue manager.</p> <p>This reason code occurs in the following environments: AIX, DOS clients, HP-UX, OS/2 Warp, OS/400, Sun Solaris, Windows clients, Windows NT.</p> <p>Corrective action: Specify MQGI_NONE for the <i>GroupId</i> field in MQMD or MQMDE. Alternatively, if the call is MQPUT specify MQPMO_LOGICAL_ORDER in the <i>Options</i> field in MQPMO.</p>
2259	X'8D3'	<p>MQRC_INCONSISTENT_BROWSE</p> <p>Inconsistent browse specification.</p> <p>An MQGET call was issued with the MQGMO_BROWSE_NEXT option specified, but the specification of the MQGMO_LOGICAL_ORDER option for the call is different from the specification of that option for the previous call for the queue handle. Either both calls must specify MQGMO_LOGICAL_ORDER, or neither call must specify MQGMO_LOGICAL_ORDER.</p> <p>This reason code occurs in the following environments: AIX, DOS clients, HP-UX, OS/2 Warp, OS/400, Sun Solaris, Windows clients, Windows NT.</p> <p>Corrective action: Add or remove the MQGMO_LOGICAL_ORDER option as appropriate. Alternatively, to switch between logical order and physical order, specify the MQGMO_BROWSE_FIRST option to restart the scan from the beginning of the queue, and either omit or specify MQGMO_LOGICAL_ORDER as desired.</p>
2260	X'8D4'	<p>MQRC_XQH_ERROR</p> <p>Transmission queue header structure not valid.</p> <p>On an MQPUT or MQPUT1 call, the transmission queue header structure MQXQH in the message data is not valid.</p> <p>This reason code occurs in the following environments: AIX, DOS clients, HP-UX, OS/2 Warp, OS/400, Sun Solaris, Windows clients, Windows NT.</p> <p>Corrective action: Correct the definition of the MQXQH structure. Ensure that the fields are set correctly.</p>
2261	X'8D5'	<p>MQRC_SRC_ENV_ERROR</p> <p>Source environment data error.</p> <p>This reason occurs when a channel exit that processes reference messages detects an error in the source environment data of a reference message header (MQRMH). One of the following is true:</p> <ul style="list-style-type: none"> • <i>SrcEnvLength</i> is less than zero. • Source environment data is not present although <i>SrcEnvLength</i> is greater than zero. • The range defined by <i>SrcEnvOffset</i> and <i>SrcEnvLength</i> is not wholly beyond the fixed fields in the MQRMH structure and within <i>StrucLength</i> bytes from the start of the structure. <p>The exit returns this reason in the <i>Feedback</i> field of the MQCXP structure. If an exception report is requested, it is copied to the <i>Feedback</i> field of the MQMD associated with the report.</p> <p>This reason code occurs in the following environments: AIX, DOS clients, HP-UX, OS/2 Warp, OS/400, Sun Solaris, Windows clients, Windows NT.</p> <p>Corrective action: Specify the source environment data correctly.</p>

2262	X'8D6'	<p>MQRC_SRC_NAME_ERROR</p> <p>Source name data error.</p> <p>This reason occurs when a channel exit that processes reference messages detects an error in the source name data of a reference message header (MQRMH). One of the following is true:</p> <ul style="list-style-type: none"> • <i>SrcNameLength</i> is less than zero. • Source name data is not present although <i>SrcNameLength</i> is greater than zero. • The range defined by <i>SrcNameOffset</i> and <i>SrcNameLength</i> is not wholly beyond the fixed fields in the MQRMH structure and within <i>StrucLength</i> bytes from the start of the structure. <p>The exit returns this reason in the <i>Feedback</i> field of the MQCXP structure. If an exception report is requested, it is copied to the <i>Feedback</i> field of the MQMD associated with the report.</p> <p>This reason code occurs in the following environments: AIX, DOS clients, HP-UX, OS/2 Warp, OS/400, Sun Solaris, Windows clients, Windows NT.</p> <p>Corrective action: Specify the source name data correctly.</p>
2263	X'8D7'	<p>MQRC_DEST_ENV_ERROR</p> <p>Destination environment data error.</p> <p>This reason occurs when a channel exit that processes reference messages detects an error in the destination environment data of a reference message header (MQRMH). One of the following is true:</p> <ul style="list-style-type: none"> • <i>DestEnvLength</i> is less than zero. • Destination environment data is not present although <i>DestEnvLength</i> is greater than zero. • The range defined by <i>DestEnvOffset</i> and <i>DestEnvLength</i> is not wholly beyond the fixed fields in the MQRMH structure and within <i>StrucLength</i> bytes from the start of the structure. <p>The exit returns this reason in the <i>Feedback</i> field of the MQCXP structure. If an exception report is requested, it is copied to the <i>Feedback</i> field of the MQMD associated with the report.</p> <p>This reason code occurs in the following environments: AIX, DOS clients, HP-UX, OS/2 Warp, OS/400, Sun Solaris, Windows clients, Windows NT.</p> <p>Corrective action: Specify the destination environment data correctly.</p>
2264	X'8D8'	<p>MQRC_DEST_NAME_ERROR</p> <p>Destination name data error.</p> <p>This reason occurs when a channel exit that processes reference messages detects an error in the destination name data of a reference message header (MQRMH). One of the following is true:</p> <ul style="list-style-type: none"> • <i>DestNameLength</i> is less than zero. • Destination name data is not present although <i>DestNameLength</i> is greater than zero. • The range defined by <i>DestNameOffset</i> and <i>DestNameLength</i> is not wholly beyond the fixed fields in the MQRMH structure and within <i>StrucLength</i> bytes from the start of the structure. <p>The exit returns this reason in the <i>Feedback</i> field of the MQCXP structure. If an exception report is requested, it is copied to the <i>Feedback</i> field of the MQMD associated with the report.</p> <p>This reason code occurs in the following environments: AIX, DOS clients, HP-UX, OS/2 Warp, OS/400, Sun Solaris, Windows clients, Windows NT.</p> <p>Corrective action: Specify the destination name data correctly.</p>
2265	X'8D9'	<p>MQRC_TM_ERROR</p> <p>Trigger message structure not valid.</p> <p>On an MQPUT or MQPUT1 call, the trigger message structure MQTM in the message data is not valid.</p> <p>This reason code occurs in the following environments: AIX, DOS clients, HP-UX, OS/2 Warp, OS/400, Sun Solaris, Windows clients, Windows NT.</p> <p>Corrective action: Correct the definition of the MQTM structure. Ensure that the fields are set correctly.</p>

MQI return codes

2266	X'8DA'	<p>MQRC_CLUSTER_EXIT_ERROR</p> <p>Cluster workload exit failed.</p> <p>An MQOPEN, MQPUT, or MQPUT1 call was issued to open or put a message on a cluster queue, but the cluster workload exit defined by the queue-manager's <i>ClusterWorkloadExit</i> attribute failed unexpectedly or did not respond in time. Subsequent MQOPEN, MQPUT, and MQPUT1 calls for this queue handle will be processed as though the <i>ClusterWorkloadExit</i> attribute were blank.</p> <p>This reason code occurs in the following environments: AIX, DOS clients, HP-UX, OS/390, OS/2 Warp, Sun Solaris, Windows clients, Windows NT.</p> <p>On OS/390, a message is written to the system log giving more information about the error.</p> <p>Corrective action: Check the cluster workload exit to ensure that it has been written correctly.</p>
2267	X'8DB'	<p>MQRC_CLUSTER_EXIT_LOAD_ERROR</p> <p>Unable to load cluster workload exit.</p> <p>An MQCONN or MQCONNX call was issued to connect to a queue manager, but the call failed because the cluster workload exit defined by the queue-manager's <i>ClusterWorkloadExit</i> attribute could not be loaded.</p> <p>This reason code occurs in the following environments: AIX, DOS clients, HP-UX, OS/2 Warp, Sun Solaris, Windows clients, Windows NT.</p> <p>On OS/390, if the cluster workload exit cannot be loaded, a message is written to the system log and processing continues as though the <i>ClusterWorkloadExit</i> attribute had been blank.</p> <p>Corrective action: Ensure that the cluster workload exit has been installed in the correct location.</p>
2268	X'8DC'	<p>MQRC_CLUSTER_PUT_INHIBITED</p> <p>Put calls inhibited for all queues in cluster.</p> <p>An MQOPEN call with the MQOO_OUTPUT and MQOO_BIND_ON_OPEN options in effect was issued for a cluster queue, but all of the instances of the queue in the cluster are currently put-inhibited, that is, all of the queue instances have the <i>InhibitPut</i> attribute set to MQQA_PUT_INHIBITED. Because there are no queue instances available to receive messages, the MQOPEN call fails.</p> <p>This reason code occurs only when both of the following are also true:</p> <ul style="list-style-type: none"> • There is no local instance of the queue. (If there is a local instance, the MQOPEN call succeeds, even if the local instance is put-inhibited.) • There is no cluster workload exit for the queue, or there is a cluster workload exit but it did not choose a queue instance. (If the cluster workload exit does choose a queue instance, the MQOPEN call succeeds, even if that instance is put-inhibited.) <p>If the MQOO_BIND_NOT_FIXED option is specified on the MQOPEN call, the call can succeed even if all of the queues in the cluster are put-inhibited. However, a subsequent MQPUT call might fail if all of the queues are still put-inhibited at the time of that call.</p> <p>This reason code occurs in the following environments: AIX, DOS client, HP-UX, OS/390, OS/2 Warp, Sun Solaris, Windows client, Windows NT.</p> <p>Corrective action: If the system design allows put requests to be inhibited for short periods, retry the operation later. If the problem persists, determine why all of the queues in the cluster are put-inhibited.</p>
2269	X'8DD'	<p>MQRC_CLUSTER_RESOURCE_ERROR</p> <p>Cluster resource error.</p> <p>An error occurred whilst trying to use a resource required for clustering.</p> <p>This reason code occurs in the following environments: AIX, DOS client, HP-UX, OS/390, OS/2 Warp, Sun Solaris, Windows Client, Windows NT.</p> <p>Corrective action: On OS/390:</p> <ul style="list-style-type: none"> • Check the console for signs of the failure, such as full page sets. <p>In all environments:</p> <ul style="list-style-type: none"> • Check that the SYSTEM.CLUSTER.* queues are not put inhibited or full. • Check the event queues for any events relating to the SYSTEM.CLUSTER.* queues, as these might give guidance as to the nature of the failure. • Check that the repository queue manager is available.

2270	X'8DE'	<p>MQRC_NO_DESTINATIONS_AVAILABLE</p> <p>No destination queues available.</p> <p>An MQPUT or MQPUT1 call was issued to put a message on a cluster queue, but at the time of the call there were no longer any instances of the queue in the cluster. The message therefore could not be sent.</p> <p>This situation can occur when MQOO_BIND_NONE is specified on the MQOPEN call that opens the queue, or MQPUT1 is used to put the message.</p> <p>This reason code occurs in the following environments: AIX, DOS clients, HP-UX, OS/390, OS/2 Warp, Sun Solaris, Windows clients, Windows NT.</p> <p>Corrective action: Check the queue definition and queue status to determine why all instances of the queue were removed from the cluster. Correct the problem and rerun the application.</p>
2273	X'8E1'	<p>MQRC_CONNECTION_ERROR</p> <p>Error processing MQCONN call.</p> <p>An MQCONN call failed for one of the following reasons:</p> <ul style="list-style-type: none"> • The system parameter module is not at the same release level as the queue manager. • An internal error was detected by the queue manager. <p>This reason code occurs only on OS/390.</p> <p>Corrective action: Relinkedit the system parameter module (CSQZPARM) to ensure that it is at the correct level. If the problem persists, contact your IBM support center.</p>
2274	X'8E2'	<p>MQRC_OPTION_ENVIRONMENT_ERROR</p> <p>Option not valid in environment.</p> <p>An MQGET call with the MQGMO_MARK_SKIP_BACKOUT option specified was issued from a DB/2 Stored Procedure. The call failed because the MQGMO_MARK_SKIP_BACKOUT option cannot be used from a DB/2 Stored Procedure.</p> <p>This reason code occurs only on OS/390.</p> <p>Corrective action: Remove the MQGMO_MARK_SKIP_BACKOUT option from the MQGET call.</p>
2277	X'8E5'	<p>MQRC_CD_ERROR</p> <p>Channel definition not valid.</p> <p>An MQCONN call was issued to connect to a queue manager, but the MQCD channel definition structure addressed by the <i>ClientConnOffset</i> or <i>ClientConnPtr</i> field in MQCNO contains data that is not valid. Consult the MQSeries error log for more information about the nature of the error.</p> <p>This reason code occurs in the following environments: AIX, DOS clients, HP-UX, OS/2 Warp, Sun Solaris, Windows clients, Windows NT.</p> <p>Corrective action: Ensure that required input fields in the MQCD structure are set correctly.</p>
2278	X'8E6'	<p>MQRC_CLIENT_CONN_ERROR</p> <p>Client connection fields not valid.</p> <p>An MQCONN call was issued to connect to a queue manager, but the MQCD channel definition structure is not specified correctly. One of the following applies:</p> <ul style="list-style-type: none"> • <i>ClientConnOffset</i> is not zero and <i>ClientConnPtr</i> is neither the null pointer nor zero. • <i>ClientConnPtr</i> is not a valid pointer. • <i>ClientConnPtr</i> or <i>ClientConnOffset</i> points to storage that is not accessible. <p>This reason code occurs in the following environments: AIX, DOS clients, HP-UX, OS/2 Warp, Sun Solaris, Windows clients, Windows NT.</p> <p>Corrective action: Ensure that at least one of <i>ClientConnOffset</i> and <i>ClientConnPtr</i> is zero. Ensure that the field used points to accessible storage.</p>
2279	X'8E7'	<p>MQRC_CHANNEL_STOPPED_BY_USER</p> <p>Channel stopped by user.</p> <p>This condition is detected when the channel has been stopped by an operator. The reason qualifier identifies the reasons for stopping.</p> <p>Corrective action: None. This reason code is only used to identify the corresponding event message.</p>

MQI return codes

2280	X'8E8'	<p>MQRC_HCONFIG_ERROR</p> <p>Configuration handle not valid.</p> <p>The configuration handle <i>Hconfig</i> specified on the MQZEP call is not valid.</p> <p>On OS/390 and OS/400, this reason code does not occur.</p> <p>Corrective action: Specify the configuration handle that was provided to the service configuration function on the component initialization call. See the <i>MQSeries Programmable System Management</i> book for details of this call.</p>
2281	X'8E9'	<p>MQRC_FUNCTION_ERROR</p> <p>Function identifier not valid for service.</p> <p>The function identifier <i>Function</i> specified on the MQZEP call is not valid for the service being configured.</p> <p>On OS/390 and OS/400, this reason code does not occur.</p> <p>Corrective action: Specify an MQZID_* value that is valid for the service being configured. Refer to the description of the MQZEP call in the <i>MQSeries Programmable System Management</i> book to determine which values are valid.</p>
2282	X'8EA'	<p>MQRC_CHANNEL_STARTED</p> <p>Channel started.</p> <p>One of the following has occurred:</p> <ul style="list-style-type: none"> • An operator has issued a Start Channel command. • An instance of a channel has been successfully established. <p>This condition is detected when Initial Data negotiation is complete and resynchronization has been performed where necessary such that message transfer can proceed.</p> <p>Corrective action: None. This reason code is only used to identify the corresponding event message.</p>
2283	X'8EB'	<p>MQRC_CHANNEL_STOPPED</p> <p>Channel stopped.</p> <p>This condition is detected when the channel has been stopped. The reason qualifier identifies the reasons for stopping.</p> <p>Corrective action: None. This reason code is only used to identify the corresponding event message.</p>
2284	X'8EC'	<p>MQRC_CHANNEL_CONV_ERROR</p> <p>Channel conversion error.</p> <p>This condition is detected when a channel is unable to do data conversion and the MQGET call to get a message from the transmission queue resulted in a data conversion error. The conversion reason code identifies the reason for the failure.</p> <p>Corrective action: None. This reason code is only used to identify the corresponding event message.</p>
2285	X'8ED'	<p>MQRC_SERVICE_NOT_AVAILABLE</p> <p>Underlying service not available.</p> <p>This reason should be returned by an installable service component when the requested action cannot be performed because the required underlying service is not available.</p> <p>On OS/390 and OS/400, this reason code does not occur.</p> <p>Corrective action: Make the underlying service available.</p>
2286	X'8EE'	<p>MQRC_INITIALIZATION_FAILED</p> <p>Initialization failed for an undefined reason.</p> <p>This reason should be returned by an installable service component when the component is unable to complete initialization successfully.</p> <p>On OS/390 and OS/400, this reason code does not occur.</p> <p>Corrective action: Correct the error and retry the operation.</p>
2287	X'8FF'	<p>MQRC_TERMINATION_FAILED</p> <p>Termination failed for an undefined reason.</p> <p>This reason should be returned by an installable service component when the component is unable to complete termination successfully.</p> <p>On OS/390 and OS/400, this reason code does not occur.</p> <p>Corrective action: Correct the error and retry the operation.</p>

2288	X'8F0'	<p>MQRC_UNKNOWN_Q_NAME</p> <p>Queue name not found.</p> <p>This reason should be returned by the MQZ_LOOKUP_NAME installable service component when the name specified for the <i>QName</i> parameter is not recognized.</p> <p>On OS/390 and OS/400, this reason code does not occur.</p> <p>Corrective action: None. See the <i>MQSeries Programmable System Management</i> book for details of this call.</p>
2289	X'8F1'	<p>MQRC_SERVICE_ERROR</p> <p>Unexpected error occurred accessing service.</p> <p>This reason should be returned by an installable service component when the component encounters an unexpected error.</p> <p>On OS/390 and OS/400, this reason code does not occur.</p> <p>Corrective action: Correct the error and retry the operation.</p>
2290	X'8F2'	<p>MQRC_Q_ALREADY_EXISTS</p> <p>Queue object already exists.</p> <p>This reason should be returned by the MQZ_INSERT_NAME installable service component when the queue specified by the <i>QName</i> parameter is already defined to the name service.</p> <p>On OS/390 and OS/400, this reason code does not occur.</p> <p>Corrective action: None. See the <i>MQSeries Programmable System Management</i> book for details of this installable service.</p>
2291	X'8F3'	<p>MQRC_USER_ID_NOT_AVAILABLE</p> <p>Unable to determine the user ID.</p> <p>This reason should be returned by the MQZ_FIND_USERID installable service component when the user ID cannot be determined.</p> <p>On OS/390 and OS/400, this reason code does not occur.</p> <p>Corrective action: None. See the <i>MQSeries Programmable System Management</i> book for details of this call.</p>
2292	X'8F4'	<p>MQRC_UNKNOWN_ENTITY</p> <p>Entity unknown to service.</p> <p>This reason should be returned by the authority installable service component when the name specified by the <i>EntityName</i> parameter is not recognized.</p> <p>On OS/390 and OS/400, this reason code does not occur.</p> <p>Corrective action: Ensure that the entity is defined.</p>
2293	X'8F5'	<p>MQRC_UNKNOWN_AUTH_ENTITY</p> <p>Authorization entity unknown to service.</p> <p>This reason should be returned by the authority installable service component when the name specified by the <i>AuthEntityName</i> parameter is not recognized.</p> <p>On OS/390 and OS/400, this reason code does not occur.</p> <p>Corrective action: Ensure that the entity is defined.</p>
2294	X'8F6'	<p>MQRC_COMMAND_TYPE_ERROR</p> <p>Reference object unknown.</p> <p>This reason should be returned by the MQZ_COPY_ALL_AUTHORITY installable service component when the name specified by the <i>RefObjectName</i> parameter is not recognized.</p> <p>On OS/390 and OS/400, this reason code does not occur.</p> <p>Corrective action: Ensure that the reference object is defined. See the <i>MQSeries Programmable System Management</i> book for details of this call.</p>

MQI return codes

2295	X'8F7'	<p>MQRC_UNKNOWN_REF_OBJECT</p> <p>Channel activated.</p> <p>This condition is detected when a channel which has been waiting to become active, and for which a Channel Not Activated event has been generated, is now able to become active because an active slot has been released by another channel.</p> <p>This event is not generated for a channel which is able to become active without waiting for an active slot to be released.</p> <p>Corrective action: None. This reason code is only used to identify the corresponding event message.</p>
2296	X'8F8'	<p>MQRC_CHANNEL_ACTIVATED</p> <p>Channel cannot be activated.</p> <p>This condition is detected when a channel is required to become active, either because it is starting or because it is about to make another attempt to establish connection with its partner. However, it is unable to do so because the limit on the number of active channels has been reached (see the MaxActiveChannels parameter in the qm.ini file, or, for MVS/ESA see the ACTCHL parameter in CSQXPARM). The channel waits until it is able to take over an active slot released when another channel ceases to be active. At that time a Channel Activated event is generated.</p> <p>Corrective action: None. This reason code is only used to identify the corresponding event message.</p>
2297	X'8F9'	<p>MQRC_CHANNEL_NOT_ACTIVATED</p> <p>Unit of work canceled.</p> <p>An MQ call was issued, but the unit of work (TM/MP transaction) being used for the MQ operation had been canceled. This might have been done by TM/MP itself (for example, due to the transaction running for too long, or exceeding audit trail sizes), or by the application program issuing an ABORT_TRANSACTION. All updates performed to MQSeries resources are backed out.</p> <p>Corrective action: Refer to the operating system's <i>Transaction Management Operations Guide</i> to determine how the Transaction Manager can be tuned to avoid the problem of system limits being exceeded.</p>
2299	X'8FB'	<p>MQRC_UOW_CANCELED</p> <p>Selector has wrong data type.</p> <p>The <i>Selector</i> parameter has the wrong data type; it must be of type Long.</p> <p>Corrective action: Declare the <i>Selector</i> parameter as Long.</p>
2300	X'8FC'	<p>MQRC_SELECTOR_TYPE_ERROR</p> <p>Command type not valid.</p> <p>The mqExecute call was issued, but the value of the MQIASY_TYPE data item in the administration bag is not MQCFT_COMMAND.</p> <p>Corrective action: Ensure that the MQIASY_TYPE data item in the administration bag has the value MQCFT_COMMAND.</p>
2301	X'8FD'	<p>MQRC_MULTIPLE_INSTANCE_ERROR</p> <p>Multiple instances of system data item not valid.</p> <p>The <i>Selector</i> parameter specifies a system selector (one of the MQIASY_* values), but the value of the <i>ItemIndex</i> parameter is not MQIND_NONE. Only one instance of each system selector can exist in the bag.</p> <p>Corrective action: Specify MQIND_NONE for the <i>ItemIndex</i> parameter.</p>
2302	X'8FE'	<p>MQRC_SYSTEM_ITEM_NOT_ALTERABLE</p> <p>System data item is read-only and cannot be altered.</p> <p>A call was issued to modify the value of a system data item in a bag (a data item with one of the MQIASY_* selectors), but the call failed because the data item is one that cannot be altered by the application.</p> <p>Corrective action: Specify the selector of a user-defined data item, or remove the call.</p>

2303	X'8FF'	<p>MQRC_BAG_CONVERSION_ERROR</p> <p>Data could not be converted into a bag.</p> <p>The mqBufferToBag or mqGetBag call was issued, but the data in the buffer or message could not be converted into a bag. This occurs when the data to be converted is not valid PCF.</p> <p>Corrective action: Check the logic of the application that created the buffer or message to ensure that the buffer or message contains valid PCF.</p> <p>If the message contains PCF that is not valid, the message cannot be retrieved using the mqGetBag call:</p> <ul style="list-style-type: none"> • If one of the MQGMO_BROWSE_* options was specified, the message remains on the queue and can be retrieved using the MQGET call. • In other cases, the message has already been removed from the queue and discarded. If the message was retrieved within a unit of work, the unit of work can be backed out and the message retrieved using the MQGET call.
2304	X'900'	<p>MQRC_SELECTOR_OUT_OF_RANGE</p> <p>Selector not within valid range for call.</p> <p>The <i>Selector</i> parameter has a value that is outside the valid range for the call. If the bag was created with the MQCBO_CHECK_SELECTORS option:</p> <ul style="list-style-type: none"> • For the mqAddInteger call, the value must be within the range MQIA_FIRST through MQIA_LAST. • For the mqAddString call, the value must be within the range MQCA_FIRST through MQCA_LAST. <p>If the bag was not created with the MQCBO_CHECK_SELECTORS option:</p> <ul style="list-style-type: none"> • The value must be zero or greater. <p>Corrective action: Specify a valid value.</p>
2305	X'901'	<p>MQRC_SELECTOR_NOT_UNIQUE</p> <p>Selector occurs more than once in bag.</p> <p>The <i>ItemIndex</i> parameter has the value MQIND_NONE, but the bag contains more than one data item with the selector value specified by the <i>Selector</i> parameter. MQIND_NONE requires that the bag contain only one occurrence of the specified selector.</p> <p>This reason code also occurs on the mqExecute call when the administration bag contains two or more occurrences of a selector for a required parameter that permits only one occurrence.</p> <p>Corrective action: Check the logic of the application that created the bag. If correct, specify for <i>ItemIndex</i> a value that is zero or greater, and add application logic to process all of the occurrences of the selector in the bag.</p> <p>Review the description of the administration command being issued, and ensure that all required parameters are defined correctly in the bag.</p>
2306	X'902'	<p>MQRC_INDEX_NOT_PRESENT</p> <p>Index not present in bag for specified selector.</p> <p>The bag contains one or more data items that have the selector value specified by the <i>Selector</i> parameter, but none of them has the index value specified by the <i>ItemIndex</i> parameter. The data item identified by the <i>Selector</i> and <i>ItemIndex</i> parameters must exist in the bag.</p> <p>Corrective action: Specify the index of a data item that does exist in the bag. Use the mqCountItems call to determine the number of data items with the specified selector that exist in the bag.</p>
2307	X'903'	<p>MQRC_STRING_ERROR</p> <p>String parameter not valid.</p> <p>The <i>String</i> parameter is not valid. Either the parameter pointer is not valid, or it points to read-only storage. (It is not always possible to detect parameter pointers that are not valid; if not detected, unpredictable results occur.)</p> <p>Corrective action: Correct the parameter.</p>

MQI return codes

2308	X'904'	<p>MQRC_ENCODING_NOT_SUPPORTED</p> <p>Encoding not supported.</p> <p>The <i>Encoding</i> field in the message descriptor MQMD contains a value that is not supported:</p> <ul style="list-style-type: none"> • For the mqPutBag call, the field in error resides in the <i>MsgDesc</i> parameter of the call. • For the mqGetBag call, the field in error resides in: <ul style="list-style-type: none"> – The <i>MsgDesc</i> parameter of the call if the MQGMO_CONVERT option was specified. – The message descriptor of the message about to be retrieved if MQGMO_CONVERT was <i>not</i> specified. <p>Corrective action: The value must be MQENC_NATIVE.</p> <p>If the value of the <i>Encoding</i> field in the message is not valid, the message cannot be retrieved using the mqGetBag call:</p> <ul style="list-style-type: none"> • If one of the MQGMO_BROWSE_* options was specified, the message remains on the queue and can be retrieved using the MQGET call. • In other cases, the message has already been removed from the queue and discarded. If the message was retrieved within a unit of work, the unit of work can be backed out and the message retrieved using the MQGET call.
2309	X'905'	<p>MQRC_SELECTOR_NOT_PRESENT</p> <p>Selector not present in bag.</p> <p>The <i>Selector</i> parameter specifies a selector that does not exist in the bag.</p> <p>Corrective action: Specify a selector that does exist in the bag.</p>
2310	X'906'	<p>MQRC_OUT_SELECTOR_ERROR</p> <p>OutSelector parameter not valid.</p> <p>The <i>OutSelector</i> parameter is not valid. Either the parameter pointer is not valid, or it points to read-only storage. (It is not always possible to detect parameter pointers that are not valid; if not detected, unpredictable results occur.)</p> <p>Corrective action: Correct the parameter.</p>
2311	X'907'	<p>MQRC_STRING_TRUNCATED</p> <p>String truncated (too long for output buffer).</p> <p>The string returned by the call is too long to fit in the buffer provided. The string has been truncated to fit in the buffer.</p> <p>Corrective action: If the entire string is required, provide a larger buffer. On the mqInquireString call, the <i>StringLength</i> parameter is set by the call to indicate the size of the buffer required to accommodate the string without truncation.</p>
2312	X'908'	<p>MQRC_SELECTOR_WRONG_TYPE</p> <p>Selector implies a data type not valid for call.</p> <p>A data item with the specified selector exists in the bag, but has a data type that conflicts with the data type implied by the call being used. For example, the data item might have an integer data type, but the call being used might be mqSetString, which implies a character data type.</p> <p>This reason code also occurs on the mqBagToBuffer, mqExecute, and mqPutBag calls when mqAddString or mqSetString was used to add the MQIACF_INQUIRY data item to the bag.</p> <p>Corrective action: For the mqSetInteger and mqSetString calls, specify MQIND_ALL for the <i>ItemIndex</i> parameter to delete from the bag all existing occurrences of the specified selector before creating the new occurrence with the required data type.</p> <p>For the mqInquireBag, mqInquireInteger, and mqInquireString calls, use the mqInquireItemInfo call to determine the data type of the item with the specified selector, and then use the appropriate call to determine the value of the data item.</p> <p>For the mqBagToBuffer, mqExecute, and mqPutBag calls, ensure that the MQIACF_INQUIRY data item is added to the bag using the mqAddInteger or mqSetInteger calls.</p>

2313	X'909'	<p>MQRC_INCONSISTENT_ITEM_TYPE</p> <p>Data type of item differs from previous occurrence of selector.</p> <p>The mqAddInteger or mqAddString call was issued to add another occurrence of the specified selector to the bag, but the data type of this occurrence differed from the data type of the first occurrence.</p> <p>This reason can also occur on the mqBufferToBag and mqGetBag calls, where it indicates that the PCF in the buffer or message contains a selector that occurs more than once but with inconsistent data types.</p> <p>Corrective action: For the mqAddInteger and mqAddString calls, use the call appropriate to the data type of the first occurrence of that selector in the bag.</p> <p>For the mqBufferToBag and mqGetBag calls, check the logic of the application that created the buffer or sent the message to ensure that multiple-occurrence selectors occur with only one data type. A message that contains a mixture of data types for a selector cannot be retrieved using the mqGetBag call:</p> <ul style="list-style-type: none"> • If one of the MQGMO_BROWSE_* options was specified, the message remains on the queue and can be retrieved using the MQGET call. • In other cases, the message has already been removed from the queue and discarded. If the message was retrieved within a unit of work, the unit of work can be backed out and the message retrieved using the MQGET call.
2314	X'90A'	<p>MQRC_INDEX_ERROR</p> <p>Index not valid.</p> <p>The <i>ItemIndex</i> parameter has a value that is not valid. The value must be zero or greater, or one of the special MQIND_* values that is valid for the call:</p> <ul style="list-style-type: none"> • For the mqDeleteItem, mqSetInteger and mqSetString calls, MQIND_ALL and MQIND_NONE are valid. • For the mqInquireBag, mqInquireInteger, mqInquireString, and mqInquireItemInfo calls, MQIND_NONE is valid. <p>Corrective action: Specify a valid value.</p>
2315	X'90B'	<p>MQRC_SYSTEM_BAG_NOT_ALTERABLE</p> <p>System bag is read-only and cannot be altered.</p> <p>A call was issued to add a data item to a bag, modify the value of an existing data item in a bag, or retrieve a message into a bag, but the call failed because the bag is one that had been created by the system as a result of a previous mqExecute call. System bags cannot be modified by the application.</p> <p>Corrective action: Specify the handle of a bag created by the application, or remove the call.</p>
2316	X'90C'	<p>MQRC_ITEM_COUNT_ERROR</p> <p>ItemCount parameter not valid.</p> <p>The mqTruncateBag call was issued, but the <i>ItemCount</i> parameter specifies a value that is not valid. The value is either less than zero, or greater than the number of user-defined data items in the bag.</p> <p>This reason also occurs on the mqCountItems call if the parameter pointer is not valid, or points to read-only storage. (It is not always possible to detect parameter pointers that are not valid; if not detected, unpredictable results occur.)</p> <p>Corrective action: Specify a valid value. Use the mqCountItems call to determine the number of user-defined data items in the bag.</p>

MQI return codes

2317	X'90D'	<p>MQRC_FORMAT_NOT_SUPPORTED</p> <p>Format not supported.</p> <p>The <i>Format</i> field in the message descriptor MQMD contains a value that is not supported:</p> <ul style="list-style-type: none"> • For the mqPutBag call, the field in error resides in the <i>MsgDesc</i> parameter of the call. • For the mqGetBag call, the field in error resides in the message descriptor of the message about to be retrieved. <p>Corrective action: The value must be one of the following:</p> <p>MQFMT_ADMIN MQFMT_EVENT MQFMT_PCF</p> <p>If the value of the <i>Format</i> field in the message is none of these values, the message cannot be retrieved using the mqGetBag call:</p> <ul style="list-style-type: none"> • If one of the MQGMO_BROWSE_* options was specified, the message remains on the queue and can be retrieved using the MQGET call. • In other cases, the message has already been removed from the queue and discarded. If the message was retrieved within a unit of work, the unit of work can be backed out and the message retrieved using the MQGET call.
2318	X'90E'	<p>MQRC_SELECTOR_NOT_SUPPORTED</p> <p>System selector not supported.</p> <p>The <i>Selector</i> parameter specifies a value that is a system selector (a value that is negative), but the system selector is not one that is supported by the call.</p> <p>Corrective action: Specify a selector value that is supported.</p>
2319	X'90F'	<p>MQRC_ITEM_VALUE_ERROR</p> <p>ItemValue parameter not valid.</p> <p>The mqInquireBag or mqInquireInteger call was issued, but the <i>ItemValue</i> parameter is not valid. Either the parameter pointer is not valid, or it points to read-only storage. (It is not always possible to detect parameter pointers that are not valid; if not detected, unpredictable results occur.)</p> <p>Corrective action: Correct the parameter.</p>
2320	X'910'	<p>MQRC_HBAG_ERROR</p> <p>Bag handle not valid.</p> <p>A call was issued with a parameter that is a bag handle, but the handle is not valid. For output parameters, this reason also occurs if the parameter pointer is not valid, or points to read-only storage. (It is not always possible to detect parameter pointers that are not valid; if not detected, unpredictable results occur.)</p> <p>Corrective action: Correct the parameter.</p>
2321	X'911'	<p>MQRC_PARAMETER_MISSING</p> <p>Parameter missing.</p> <p>An administration message requires a parameter that is not present in the administration bag. This reason code occurs only for bags created with the MQCBO_ADMIN_BAG or MQCBO_REORDER_AS_REQUIRED options.</p> <p>Corrective action: Review the description of the administration command being issued, and ensure that all required parameters are present in the bag.</p>
2322	X'912'	<p>MQRC_CMD_SERVER_NOT_AVAILABLE</p> <p>Command server not available.</p> <p>The command server that processes administration commands is not available.</p> <p>Corrective action: Start the command server.</p>
2323	X'913'	<p>MQRC_STRING_LENGTH_ERROR</p> <p>StringLength parameter not valid.</p> <p>The <i>StringLength</i> parameter is not valid. Either the parameter pointer is not valid, or it points to read-only storage. (It is not always possible to detect parameter pointers that are not valid; if not detected, unpredictable results occur.)</p> <p>Corrective action: Correct the parameter.</p>

2324	X'914'	<p>MQRC_INQUIRY_COMMAND_ERROR</p> <p>Command code is not a recognized inquiry command.</p> <p>The mqAddInquiry call was used previously to add attribute selectors to the bag, but the command code to be used for the mqBagToBuffer, mqExecute, or mqPutBag call is not recognized. As a result, the correct PCF message cannot be generated.</p> <p>Corrective action: Remove the mqAddInquiry calls and use instead the mqAddInteger call with the appropriate MQIACF_*_ATTRS or MQIACH_*_ATTRS selectors.</p>
2325	X'915'	<p>MQRC_NESTED_BAG_NOT_SUPPORTED</p> <p>Input bag contains one or more nested bags.</p> <p>A bag which is input to the call contains nested bags. Nested bags are supported only for bags which are output from the call.</p> <p>Corrective action: Use a different bag as input to the call.</p>
2326	X'916'	<p>MQRC_BAG_WRONG_TYPE</p> <p>Bag has wrong type for intended use.</p> <p>The <i>Bag</i> parameter specifies the handle of a bag that has the wrong type for the call. The bag must be an administration bag, that is, it must be created with the MQCBO_ADMIN_BAG option specified on the mqCreateBag call.</p> <p>Corrective action: Specify the MQCBO_ADMIN_BAG option when the bag is created.</p>
2327	X'917'	<p>MQRC_ITEM_TYPE_ERROR</p> <p>ItemType parameter not valid.</p> <p>The mqInquireItemInfo call was issued, but the <i>ItemType</i> parameter is not valid. Either the parameter pointer is not valid, or it points to read-only storage. (It is not always possible to detect parameter pointers that are not valid; if not detected, unpredictable results occur.)</p> <p>Corrective action: Correct the parameter.</p>
2328	X'918'	<p>MQRC_SYSTEM_BAG_NOT_DELETABLE</p> <p>System bag is read-only and cannot be deleted.</p> <p>An mqDeleteBag call was issued to delete a bag, but the call failed because the bag is one that had been created by the system as a result of a previous mqExecute call. System bags cannot be deleted by the application.</p> <p>Corrective action: Specify the handle of a bag created by the application, or remove the call.</p>
2329	X'919'	<p>MQRC_SYSTEM_ITEM_NOT_DELETABLE</p> <p>System data item is read-only and cannot be deleted.</p> <p>A call was issued to delete a system data item from a bag (a data item with one of the MQIASY_* selectors), but the call failed because the data item is one that cannot be deleted by the application.</p> <p>Corrective action: Specify the selector of a user-defined data item, or remove the call.</p>
2330	X'91A'	<p>MQRC_CODED_CHAR_SET_ID_ERROR</p> <p>Coded character set identifier parameter not valid.</p> <p>The <i>CodedCharSetId</i> parameter is not valid. Either the parameter pointer is not valid, or it points to read-only storage. (It is not always possible to detect parameter pointers that are not valid; if not detected, unpredictable results occur.)</p> <p>Corrective action: Correct the parameter.</p>
2331	X'91B'	<p>MQRC_MSG_TOKEN_ERROR</p> <p>Use of message token not valid.</p> <p>An MQGET call was issued to retrieve a message, but the options specified were not valid, for one of the following reasons:</p> <ul style="list-style-type: none"> • The queue's <i>IndexType</i> attribute does not have the value MQIT_MSG_TOKEN, but MQMO_MATCH_MSG_TOKEN was specified. • The queue's <i>IndexType</i> attribute <i>does</i> have the value MQIT_MSG_TOKEN, but the MQGET call is not a browse get and one of the following is true: <ul style="list-style-type: none"> – MQGMO_WAIT or MQGMO_SET_SIGNAL was specified. – MQMO_MATCH_MSG_TOKEN was <i>not</i> specified. <p>This reason code occurs only on OS/390.</p> <p>Corrective action: Modify the application to specify only valid options.</p>

MQI return codes

2332	X'91C'	<p>MQRC_MISSING_WIH</p> <p>Message data does not begin with MQWIH.</p> <p>An MQPUT or MQPUT1 call was issued to put a message on a queue whose <i>IndexType</i> attribute had the value MQIT_MSG_TOKEN, but the <i>Format</i> field in the MQMD was not MQFMT_WORK_INFO_HEADER.</p> <p>Note: This error can occur only at the destination queue manager.</p> <p>This reason code occurs only on OS/390.</p> <p>Corrective action: Modify the application to ensure that it places an MQWIH structure at the start of the message data, and sets the <i>Format</i> field in the MQMD to MQFMT_WORK_INFO_HEADER.</p>
2333	X'91D'	<p>MQRC_WIH_ERROR</p> <p>MQWIH structure not valid.</p> <p>An MQPUT or MQPUT1 call was issued to put a message on a queue whose <i>IndexType</i> attribute had the value MQIT_MSG_TOKEN, but the message data did not begin with a valid MQWIH structure.</p> <p>This reason code occurs only on OS/390.</p> <p>Corrective action: Modify the application to ensure that it places a valid MQWIH structure at the start of the message data.</p>

Appendix B. MQSeries component identifiers

<i>Table 2. Component identifiers used in MQSeries messages and codes</i>		
Component	ID	Hex ID
Batch adapter	B	X'C2'
CICS adapter	C	X'C3'
Message generator	F	X'C6'
Functional recovery manager	G	X'C7'
Security manager	H	X'C8'
Data manager	I	X'C9'
Recovery log manager	J	X'D1'
Distributed queuing (with CICS ISC)	K	X'D2'
Lock manager	L	X'D3'
Connection manager	m	X'94'
Message manager	M	X'D4'
Command server	N	X'D5'
Operations and control	O	X'D6'
Buffer manager	P	X'D7'
IMS adapter	Q	X'D8'
Recovery manager	R	X'D9'
Storage manager	S	X'E2'
Timer services	T	X'E3'
Utilities	U	X'E4'
Agent services	V	X'E5'
Distributed queuing	X	X'E7'
Instrumentation facilities	W	X'E6'
Initialization procedures and general services	Y	X'E8'
System parameter manager	Z	X'E9'
Service facilities	1	X'F1'
MQSeries-IMS bridge	2	X'F2'
Subsystem support	3	X'F3'
Generalized command processor	9	X'F9'

Appendix C. MQSeries log services return codes

Table 3. Log services return codes

Return code	Explanation
0	Successful completion.
4	Exception condition (for example, end of file), not an error.
8	Unsuccessful completion due to parameter errors.
12	Unsuccessful completion. Error encountered during processing of a valid request.

Appendix D. Communications protocol return codes

The tables in this appendix document the more common return codes from TCP/IP and APPC/MVS that can be returned in messages from the distributed queuing component:

- “IBM TCP/IP return codes”
- “APPC/MVS return codes” on page 423

If the return code is not listed, or if you want more information, refer to the books mentioned in each section.

If the return code you received is X'7D0' or more, it is one of the MQRC_* return codes issued by MQSeries. These codes are listed in Appendix A, “API completion and reason codes” on page 357.

IBM TCP/IP return codes

This section documents the following TCP/IP return codes:

- “TCP/IP OpenEdition Sockets return codes”
- “TCP/IP IUCV return codes” on page 421 (shown in the same format in the tables as in the messages)
- “IUCV IPR codes” on page 422 (shown as 4000rrrr in messages, where rrrr is the IPR code)
- “TCPaccess return codes” on page 422

TCP/IP OpenEdition Sockets return codes

See the *OS/390 OpenEdition Messages and Codes* manual for more information and for further return codes.

Return code (Hex)	Explanation
0001	Error in the domain
0002	Result is too large
006F	Permission is denied
0070	The resource is temporarily unavailable
0071	The file descriptor is incorrect
0072	The resource is busy
0073	No child process exists
0074	A resource deadlock is avoided
0075	The file exists
0076	The address is incorrect
0077	The file is too large
0078	A function call is interrupted
0079	The parameter is incorrect
007A	An I/O error occurred
007B	The file specified is a directory
007C	Too many files are open for this process

Return code (Hex)	Explanation
007D	Too many links occurred
007E	The filename is too long
007F	Too many files are open in the system
0080	No such device exists
0081	No such file, directory, or IPC member exists
0082	The exec call contained a format error (DFSMS™ error)
0083	No locks are available
0084	Not enough space is available
0085	No space is left on the device, or no space is available to create the IPC member ID
0086	The function is not implemented
0087	Not a directory
0088	The directory is not empty
0089	The I/O control operator is inappropriate
008A	No such device or address exists
008B	The operation is not permitted
008C	The pipe is broken
008D	The specified file system is read only
008E	The seek is incorrect
008F	No such process or thread exists
0090	A link to a file on another file system was attempted
0091	The parameter list is too long, or the message to receive was too large for the buffer
0092	A loop is encountered in symbolic links
0093	The byte sequence is illegal
0095	A value is too large to be stored in the data type
0096	OpenMVS kernel is not active
0097	Dynamic allocation error
0098	Catalog Volume Access Facility error
0099	Catalog obtain error
009C	Process Initialization error
009D	A MVS environmental or internal error has occurred
009E	Bad parameters were passed to the service
009F	HFS encountered a permanent file error
00A2	HFS encountered a system error
00A3	SAF/RACF extract error
00A4	SAF/RACF error

TCP/IP return codes

<i>Table 4 (Page 2 of 2). OpenEdition sockets return codes</i>	
Return code (Hex)	Explanation
00A7	Access to the OpenMVS version of the C RTL is denied
00A8	The password for the specified resource has expired
00A9	The new password specified is not valid
00AA	A WLM service ended in error
03EA	Socket number assigned by client interface code (for socket() and accept()) is out of range
03EB	Socket number assigned by client interface code is already in use
03ED	Offload box error
03EE	Offload box restarted
03EF	Offload box down
03F0	Already a conflicting call outstanding on socket
03F1	Request cancelled via SOCKcallCANCEL request
03F3	SetlbnOpt specified a name of a PFS that either was not configured or was not a Sockets PFS
044C	Block device required
044D	Text file busy
044E	The descriptor is marked nonblocking, and the requested function cannot complete immediately
044F	Operation now in progress
0450	Operation already in progress
0451	Socket operation on a non-socket
0452	Destination address required
0453	The message is too large to be sent all at once, as required
0454	The socket type is incorrect
0455	Protocol or socket option not available
0456	Protocol not supported
0457	Socket type not supported
0458	The referenced socket is not a type that supports the requested function
0459	Protocol family not supported
045A	The address family is not supported
045B	The address is already in use
045C	Cannot assign requested address
045D	Network is down
045E	Network is unreachable
045F	Network dropped connection on reset
0460	Software caused connection abort
0461	Connection reset by peer
0462	Insufficient buffer space available

<i>Table 4 (Page 2 of 2). OpenEdition sockets return codes</i>	
Return code (Hex)	Explanation
0463	The socket is already connected
0464	The socket is not connected
0465	Cannot send after socket shutdown
0466	Too many references: cannot splice
0467	Connection timed out
0468	The attempt to connect was rejected
0469	Host is down
046A	No route to host
046B	Too many processes
046C	Too many users
046D	Disc quota exceeded
046E	Stale NFS file handle
046F	Too many levels of remote in path
0470	Device is not a stream
0471	Timer expired
0472	Out of streams resources
0473	No message of the desired type
0474	Trying to read unreadable message
0475	Identifier removed
0476	Machine is not on the network
0477	Object is remote
0478	The link has been severed
0479	Advertise error
047A	srmount error
047B	Communication error on send
047C	Protocol error
047D	Protocol error
047E	Cross mount point
047F	Remote address change
0480	The asynchronous I/O request has been canceled
0481	Socket send/receive gotten out of order
0482	Unattached streams error
0483	Streams push object error
0484	Streams closed error
0485	Streams link error
0486	Tcp error
Other	See the <i>OS/390 OpenEdition Messages and Codes</i> manual

TCP/IP IUCV return codes

This table documents many of the TCP/IP return codes that can be returned in messages from the distributed queuing component if you are using TCP/IP as your communications protocol. (The return codes are issued in hex.) See the *TCP/IP Messages and Codes* manual for more information and for further return codes.

Return code (Hex)	Explanation
01	Permission denied
02	No such data set or directory
03	No such process
04	Interrupted system call
05	I/O error
06	No such device or address
07	Argument list too long
08	Exec format error
09	Bad data set number
0A	No children
0B	No more processes
0C	Not enough memory
0D	Permission denied
0E	Bad address
0F	Block device required
10	Device busy
11	Data set exists
12	Cross device link
13	No such device
14	Not a directory
15	Is a directory
16	Invalid argument
17	Data set table overflow
18	Too many open data sets
19	Inappropriate device call
1A	Test data set busy
1B	File too large
1C	No space left on device
1D	Illegal seek
1E	Read only data set system
1F	Too many links
20	Broken pipe
23	Operation would block
24	Operation now in progress
25	Operation already in progress
26	Socket operation on non-socket

Return code (Hex)	Explanation
27	Destination address required
28	Message too long
29	Protocol wrong type for socket
2A	Protocol not available
2B	Protocol not supported
2C	Socket type not supported
2D	Operation not supported on socket
2E	Protocol family not supported
2F	Address family not supported by protocol family
30	Address already in use
31	Cannot assign requested address
32	Network is down
33	Network is unreachable
34	Network dropped connection on reset
35	Software caused connection abort
36	Connection reset by peer
37	No buffer space available
38	Socket already connected
39	Socket not connected
3A	Cannot send after socket shutdown
3B	Too many references, cannot splice
3C	Connection timed out
3D	Connection refused
3E	Too many levels of symbolic loops
3F	File name too long
40	Host is down
41	No route to host
42	Directory not empty
43	Too many processes
44	Too many users
45	Disc quota exceeded
46	Stale NFS data set handle
47	Too many levels of remote in path
48	Device is not a stream
49	Timer expired
4A	Out of streams resource
4B	No message of desired type
4C	Trying to read unreadable message
4D	Identifier removed
4E	Deadlock condition
4F	No record locks available
50	Machine is not on the network

TCP/IP return codes

Return code (Hex)	Explanation
51	Object is remote
52	Link has been severed
53	Advertise error
54	Srmount error
55	Communication error on send
56	Protocol error
57	Multihop attempted
58	Cross mount point
59	Remote address changed
3E8	A bad socket-call constant was found in the IUCV header
3E9	Other IUCV header error, bad length
3EA	Socket number assigned by client interface code (for socket() and accept()) is out of range
3EB	Socket number assigned by client interface code is already in use
3EC	Request failed because of an IUCV error (this error is generated by the client stub code)
3ED	Offload box error
3EE	Offload box restarted
3EF	Offload box down
3F0	Already a conflicting call outstanding on socket
3F1	Request cancelled via SOCKcallCANCEL request
FFFFFFFF	Being cancelled
Other	See the <i>TCP/IP Messages and Codes</i> manual

IUCV IPR codes

This table documents the IUCV IPR return codes that can be returned in messages from the distributed queuing component if you are using TCP/IP as your communications protocol. (The return codes are issued in hex.)

IPR code (Hex)	Explanation
00	IUCV error
01	Invalid path ID
02	Path quiesced - sends not allowed
03	Message limit exceeded
04	Priority messages not allowed on this path
05	Answer buffer too short to contain message
06	Storage protection exception on answer buffer
07	Addressing exception on answer buffer

IPR code (Hex)	Explanation
08	Message ID found - Message class or path ID invalid
09	Message has been purged
0A	Message length is negative
0B	Target communicator is not logged on
0C	Target has not done declare buffer
0D	Max connections exceeded
0E	Max target connections exceeded
0F	No authorization found
10	Invalid IUCV system service name
12	Value in IPMSGLIM exceeds 255
13	Previously declared buffer is still in use
14	Originator has severed this path
15	Parameter list data not allowed on path
16	Send buffer list invalid
17	Negative length in buffer list
18	Incorrect total length of buffer list lengths
19	PRMMSG option invalid with ANSLIST option
1A	Buffer list not on a doubleword boundary
1B	Answer list not on a doubleword boundary
1E	IPAPPC flag in IPFLAGS1 not zero
1F	IUCV function specified on an APPC/MVS path
Other	See the <i>TCP/IP Messages and Codes</i> manual

TCPaccess return codes

Return codes for TCPaccess are not listed in this book. Refer to your TCPaccess documentation for information about these codes.

APPC/MVS return codes

The tables in this section document the following return codes:

- “APPC return codes”
- “APPC allocate services return codes” on page 426
- “APPC reason codes” on page 426

See the *MVS Writing Transaction Programs for APPC/MVS* and *MVS Writing Servers for APPC/MVS* manuals for more information.

APPC return codes

This table documents the return codes that can be returned from APPC/MVS in messages from the distributed queuing component if you are using APPC/MVS as your communications protocol. (The return codes are issued in hex.) These return codes can be returned to the local program in response to a call.

Return code (Hex)	Explanation
00	The call issued by the local program executed successfully. If the call specified a Notify_type of ECB, the call processing will be performed asynchronously, and the ECB will be posted when the processing completes.
01	The caller specified an allocate_type that was other than <i>immediate</i> . Either APPC/MVS could not establish a session with the partner LU, or VTAM could not establish the conversation. In this case (when allocate_type is <i>immediate</i>), APPC/MVS converts this return code to “unsuccessful.”
02	The conversation cannot be allocated on a session because of a condition that might be temporary. The program can retry the allocation request. The system returns this code when the allocate_type specified on a CMALLOC verb is other than <i>immediate</i> .
03	The partner LU rejected the allocation request because the local program issued an Allocate call with the Conversation_type parameter set to either Basic_conversation or Mapped_conversation, and the partner program does not support the respective mapped or basic conversation protocol boundary. This return code is returned on a call made after the Allocate.
05	The partner LU rejected an ATBALLC or ATBALC2 (allocate) request because the partner program has one or more initialization parameter (PIP) variables defined. APPC/MVS does not support these parameters. This return code is returned on a call made after the Allocate. It is not returned for allocate requests made using CPI Communications.

Return code (Hex)	Explanation
06	The partner LU rejected the allocation request because the access security information is not valid. This return code is returned on a call subsequent to the Allocate.
08	The partner LU rejected the allocation request because the local program specified a synchronization level (with the Sync_level parameter) that the partner program does not support. This return code is returned on a call subsequent to the Allocate.
09	The partner LU rejected the allocation request because the local program specified a partner program that the partner LU does not recognize. This return code is returned on a call subsequent to the Allocate.
0A	The partner LU rejected the allocation request because the local program specified a partner program that the partner LU recognizes but cannot start. The condition is not temporary, and the program should not retry the allocation request. This return code is returned on a call subsequent to the Allocate.
0B	The partner LU rejected the allocation request because the local program specified a partner program that the partner LU recognizes but currently cannot start. The condition might be temporary, and the program can retry the allocation request. This return code is returned on a call subsequent to the Allocate.
11	The partner program issued an Deallocate call with a Deallocate_type of Deallocate_abend, or the partner LU has done so because of a partner program abnormal ending condition. If the partner program was in receive state when the call was issued, information sent by the local program and not yet received by the partner program is purged. This return code is reported to the local program on a call the program issues in Send or Receive state.
12	The partner program issued a Deallocate call on a basic or mapped conversation with a Deallocate_type of Deallocate_sync_level or Deallocate_flush. This return code is reported to the local program on a call the program issues in Receive state.

APPC return codes

Table 7 (Page 2 of 4). APPC return codes and their meanings

Return code (Hex)	Explanation
13	<p>The local program issued a call specifying an argument that was not valid. Specific reasons for the return code apply to the following callable services:</p> <p>ATBALC2 or ATBALLC (LU 6.2 Allocate)</p> <ul style="list-style-type: none"> The TP name was not 1 to 64 characters long Either the SYMDEST name or the TP name length were not specified SNASVCMG is specified as mode name X'06' is used as the first character of a TP name An SNA service TP name is used with a mapped conversation verb The partner LU name was not valid The mode name was not valid The local LU name specified is either undefined or not allowed <p>CMALLC (CPI-C Allocate)</p> <ul style="list-style-type: none"> SNASVCMG is specified as mode name X'06' is used as the first character of a TP name An SNA service TP name is used with a mapped conversation verb The mode name was not valid
14	<p>A product-specific error has been detected. The system writes symptom records that describe the error to SYS1.LOGREC.</p>
15	<p>Indicates one of the following:</p> <ul style="list-style-type: none"> The partner program made a Send_error call on a mapped conversation and the conversation for the partner program was in Send state. No truncation occurs at the mapped conversation protocol boundary. This return code is reported to the local program on a Receive call prior to receiving any data records or after receiving one or more data records. The partner program made a Send_error call specifying the Type parameter with a value of PROG, the conversation for the partner program was in Send state, and the call did not truncate a logical record. No truncation occurs at the basic conversation protocol boundary when a program performs a Send_error before sending any logical records, or after sending a complete logical record. This return code is reported to the local program on a Receive call prior to receiving any logical records or after receiving one or more complete logical records.

Table 7 (Page 2 of 4). APPC return codes and their meanings

Return code (Hex)	Explanation
16	<p>The partner program made a Send_error call on a mapped conversation, or made a Send_error call on a basic conversation specifying the Type parameter with a value of PROG, and the conversation for the partner program was in Receive or Confirm state. The call might have caused information to be purged. Purging occurs when a program issued Send_error in receive state before receiving all the information sent by its partner program. No purging occurs when a program issues the call in Confirm state or in Receive state after receiving all the information sent by its partner program. The return code is normally reported to the local program on a call it issues prior to sending any information, depending on the call and when it is made.</p>
17	<p>The partner program made a Send_error call specifying the Type parameter with a value of PROG, the conversation for the partner program was in Send state, and the call truncated a logical record. Truncation occurs at the basic conversation protocol boundary when a program begins sending a logical record and then makes a Send_error call before sending the complete logical record. This return code is reported to the local program on a Receive call it issues after receiving the truncated logical record.</p>

Table 7 (Page 3 of 4). APPC return codes and their meanings

Return code (Hex)	Explanation
18	<p>The local program issued a call in which a programming error has been found in one or more parameters. Specific reasons for the return code apply to the following callable services:</p> <p>ATBALC2 or ATBALLC (LU 6.2 Allocate)</p> <ul style="list-style-type: none"> An unauthorized caller passed a nonzero TP_ID For Sec_pgm-type security, both the userid and password were not specified For Sec_Pgm-type security, a userid was specified with a blank password, or a password was specified with a blank userid The SYMDEST name was not found in the side information The specified TP_ID is not associated with the address space An unauthorized caller specified a Notify_Type of ECB <p>ATBCFM (LU 6.2 Allocate)</p> <ul style="list-style-type: none"> An unauthorized caller specified a Notify_type of ECB The Sync_Level field for the conversation was equal to sync_level_none <p>ATBDEAL (LU 6.2 Allocate)</p> <ul style="list-style-type: none"> A Deallocate_type of deallocate_confirm was specified, and the Sync_Level field for the conversation was equal to sync_level_none <p>ATBPTR (LU 6.2 Prepare to Receive)</p> <ul style="list-style-type: none"> A Prepare_To_Receive_Type of Prep_to_receive_sync_level was specified, and the Sync_Level field for the conversation was equal to sync_level_none <p>ATBSEND (LU 6.2 Send)</p> <ul style="list-style-type: none"> The value in the 2-byte LL field was not valid A Send_Type of Send_and_Confirm was specified, and the Sync_Level field for the conversation was equal to sync_level_none <p>CMINIT (CPI-C Initialize Conversation) The SYMDEST name was not found in the side information</p>

Table 7 (Page 3 of 4). APPC return codes and their meanings

Return code (Hex)	Explanation
19	<p>The local program issued a call in a state that was not valid for that call. The program should not examine any other returned variables associated with the call as nothing is placed in the variables. The state of the conversation remains unchanged.</p> <p>If the error occurs in one of the following callable services, the conversation was in send state and the program started, but the program did not finish sending a logical record:</p> <ul style="list-style-type: none"> ATBCFM (LU 6.2 Allocate) ATBDEAL (LU 6.2 Allocate) ATBPTR (LU 6.2 Allocate) ATBRCVW and ATBRCVI (LU 6.2 Receive and Wait and Receive Immediate) ATBSEND (LU 6.2 Send)
1A	<p>A failure occurred that caused the conversation to be prematurely terminated. The condition is not temporary, and the program should not retry the transaction until the condition is corrected.</p>
1B	<p>A failure occurred that caused the conversation to be prematurely terminated. The condition might be temporary, and the program can retry the transaction.</p>
1C	<p>The call issued by the local program did not run successfully. This return code is returned on the unsuccessful call.</p> <p>If this code is returned by the ATBRCVI (LU 6.2 Receive_Immediate) callable service, there is no data to be returned.</p>
1E	<p>The partner program issued a Deallocate call with a Deallocate_type of Deallocate_abend_SVC. If the partner program was in Receive state when the call was issued, information sent by the local program and not yet received by the partner program is purged. This return code is reported to the local program on a call the program issues in Send or Receive state.</p>
1F	<p>The partner program issued a Deallocate call with a Deallocate_type of Deallocate_abend_timer. If the partner program was in Receive state when the call was issued, information sent by the local program and not yet received by the partner program is purged. This return code is reported to the local program on a call the program issues in Send or Receive state.</p>
20	<p>The partner program issued a Send_error call specifying a Type parameter of SVC, the conversation for the partner program was in Send state, and the call did not truncate a logical record. This return code is returned on a Receive call. It is not returned for Send_error requests using CPI Communications.</p>

APPC return codes

Return code (Hex)	Explanation
21	The partner program issued a Send_error call specifying a Type parameter of SVC, the conversation for the partner program was in Receive, Confirm, or Sync_Point state, and the call might have caused information to be purged. This return code is normally returned to the local program on a call that the local program issues after sending some information to the partner program. However the return code can be returned on a call that the local program issues before sending any information, depending on when the call is issued. This code is not returned for Send_error requests using CPI Communications.
22	The partner program issued a Send_error call specifying a Type parameter of SVC, the conversation for the partner program was in Send state, and the call truncated a logical record. Truncation occurs when a program begins sending a logical record and then issues Send_error before sending the complete record. This return code is returned to the local program on a Receive call that the local program issues after receiving the truncated logical record. The code is not returned for Send_error requests using CPI Communications.
40	APPC/MVS is not currently active. Call the service again after APPC is available.
Other	See the <i>MVS Writing Transaction Programs for APPC/MVS</i> and <i>MVS Writing Servers for APPC/MVS</i> manuals.

APPC allocate services return codes

This table documents the return codes that can be returned from APPC/MVS allocate queue services in messages from the distributed queuing component if you are using APPC/MVS as your communications protocol. (The return codes are issued in hex.)

Return code (Hex)	Explanation
0	The service completed as requested.
4	The service completed, but possibly not as expected. See the reason code parameter for a description of the warning condition.
8	A user-supplied parameter was found to be in error. For example, a parameter contains characters not in the required character set. See the reason code parameter to determine which parameter is in error.

Return code (Hex)	Explanation
10	The service was unsuccessful. The cause is most likely a parameter error other than a syntax error, or an environmental error. For example, a syntactically valid LU name was specified, but the LU is not defined to APPC/MVS. An example of an environmental error is that the caller called the service while holding locks. See the reason code parameter for the specific cause of the error, and to determine whether the error can be corrected and the service re-issued.
20	APPC/MVS service failure. Record the return and reason code, and give them to your systems programmer, who should contact the appropriate IBM support personnel.
40	APPC/MVS is not currently active. Call the service again after APPC is available.
Other	See the <i>MVS Writing Transaction Programs for APPC/MVS</i> and <i>MVS Writing Servers for APPC/MVS</i> manuals.

APPC reason codes

This table documents the reason codes that can be returned from APPC/MVS allocate queue services in messages from the distributed queuing component if you are using APPC/MVS as your communications protocol. (The reason codes are issued in hex.)

Note: Some of the APPC return codes are not accompanied by a reason code; in these cases, the value in the reason code field can be ignored. Refer to the manuals shown in "APPC/MVS return codes" on page 423 for more information.

Return code (Hex)	Explanation
1	The address space issued a Register_For_Allocates call that duplicated a previous Register_For_Allocate call (that is, the values specified for TP name, local LU name, partner LU name, user ID, and profile all matched those specified on a previous call to the Register_For_Allocates service).
2	A TP name is required, but none was specified.
3	The specified TP name contains characters that are not valid
4	The specified TP name length is outside the allowable range.
5	A local LU name is required, but none was specified.

Table 9 (Page 2 of 2). APPC reason codes and their meanings

Return code (Hex)	Explanation
7	An asynchronous call failed because a specified parameter was found to be inaccessible.
8	The caller held one or more locks when calling the service.
0A	A transaction scheduler called the Register_For_Allocate service, which is not allowed
0B	The specified symbolic destination name could not be found in the side information data set.
0C	The specified local LU is undefined.
0D	The specified local LU is not receiving inbound allocate requests.
0E	The Register_For_Allocate service was called, but the caller is not authorized to serve the specified TP name on the specified local LU.
0F	The specified local LU is inaccessible to the caller.
10	The service failed because of an APPC failure.
11	The specified allocate queue token does not represent an allocate queue for which this address space is registered.
12	The specified notify type is not valid.
13	The specified timeout value is not valid.
14	The request was cancelled while in progress. This could have been caused by a call to the Unregister_For_Allocates service, or the termination of the caller's address space.
15	A Receive_Allocate call completed, but no allocate request was available to be received.
1A	The specified event notification type is not valid.
1B	The specified event code is not supported or is not valid for this service.
1C	The netid retrieved from the side information data set does not match the local netid.
1D	The specified event code qualifier is not valid or supported.
1E	The Get_Event call completed, but no event element was available to be received.
1F	The call to the Get_Event service was interrupted because all event notification requests were cancelled for this address space.
20	The call to the Get_Event service was rejected because a previous Get_Event call is currently outstanding.
21	The Get_Event call was rejected because no event notification is in effect for this address space.

Table 9 (Page 2 of 2). APPC reason codes and their meanings

Return code (Hex)	Explanation
22	The specified allocate queue keep time is outside the allowable range.
24	A call to the Unregister_For_Allocates service specified "unregister all" (that is, the allocate_queue_token was set to binary zeros), but this address space is not registered for any allocate queues.
25	The specified event get type is not valid.
26	The specified receive allocate type is not valid.
27	APPC/MVS cannot determine if the specified netid is valid.
29	The service failed because the supplied buffer was not large enough to contain the requested information.
Other	See the <i>MVS Writing Transaction Programs for APPC/MVS</i> and <i>MVS Writing Servers for APPC/MVS</i> manuals.

Appendix E. Distributed queuing message codes

Distributed queuing message codes are in the form *s0009nnn* (in hexadecimal), and the error they identify is generally described in detail by error message *CSQXnnn*, although there are some exceptions. The following table shows the full correspondence. Distributed queuing message codes are used in some error messages, and in the event data for the *MQRChannel_STOPPED* event. The event data also contains message inserts; the meanings of the inserts depend on the message code, and are shown in the following table, in the form in which they are given in

the message explanation. Where no meaning is shown, the insert is not relevant to the message code, and the value set in the event message is unpredictable. Character insert 3 is never relevant, and so is omitted from the table.

Note: *trptype* can be shown in various forms:

Message insert	Event data
TCP	TCP/IP, and so on
LU62	LU 6.2, APPC, CPI-C, and so on

Message code (<i>nnn</i>)	Message number	Integer insert 1	Integer insert 2	Character insert 1	Character insert 2
001	CSQX501I			<i>channel-name</i>	
181	CSQX181E	<i>response</i>		<i>exit-name</i>	
182	CSQX182E	<i>response</i>		<i>exit-name</i>	
184	CSQX184E	<i>address</i>		<i>exit-name</i>	
189	CSQX189E	<i>length</i>		<i>exit-name</i>	
196	CSQX196E	<i>data-length</i>	<i>ab-length</i>	<i>exit-name</i>	
197	CSQX197E	<i>data-length</i>	<i>eb-length</i>	<i>exit-name</i>	
201	CSQX201E	<i>return-code</i>		<i>conn-id</i>	<i>trptype</i>
202	CSQX202E	<i>return-code</i>		<i>conn-id</i>	<i>trptype</i>
203	CSQX203E	<i>return-code</i>		<i>conn-id</i>	<i>trptype</i>
204	CSQX204E	<i>return-code</i>		<i>conn-id</i>	<i>trptype</i>
205	CSQX205E	<i>return-code</i>		<i>conn-id</i>	<i>trptype</i>
206	CSQX206E	<i>return-code</i>		<i>conn-id</i>	<i>trptype</i>
207	CSQX207E			<i>conn-id</i>	<i>trptype</i>
208	CSQX208E	<i>return-code</i>		<i>conn-id</i>	<i>trptype</i>
209	CSQX209E			<i>conn-id</i>	<i>trptype</i>
211	CSQX027E				
212	CSQX212E	<i>return-code</i>			
213	CSQX213E	<i>return-code</i>			<i>trptype</i>
237	CSQX203E	<i>return-code</i>	<i>reason</i>	<i>conn-id</i>	<i>trptype</i>
238	CSQX213E	<i>return-code</i>	<i>reason</i>		<i>trptype</i>
403	CSQX403I			<i>channel-name</i>	<i>exit-name</i>
496	CSQX496I			<i>channel-name</i>	
506	CSQX506E			<i>channel-name</i>	
510	CSQX037E	<i>mqrC</i>			<i>name</i>
511	CSQX038E	<i>mqrC</i>			<i>name</i>
514	CSQX514E			<i>channel-name</i>	
519	CSQX519E			<i>channel-name</i>	
520	CSQX520E			<i>channel-name</i>	
525	CSQX525E			<i>channel-name</i>	
526	CSQX526E	<i>msg-seqno</i>	<i>exp-seqno</i>	<i>channel-name</i>	
527	CSQX527E			<i>channel-name</i>	
528	CSQX528I			<i>channel-name</i>	
533	CSQX533I			<i>channel-name</i>	
534	CSQX534E			<i>channel-name</i>	
536	CSQX536I			<i>channel-name</i>	<i>exit-name</i>

Distributed queuing message codes

Message code (<i>nnn</i>)	Message number	Integer insert 1	Integer insert 2	Character insert 1	Character insert 2
540	CSQX540E	<i>mqr</i>		commit identifier which includes <i>channel-name</i>	
542	the queue manager is stopping (no corresponding error message)				
544	see integer insert 1	1 see message CSQX548E 2 see message CSQX544E		<i>channel-name</i>	
545	CSQX545I			<i>channel-name</i>	
546	code 00E70546				
558	CSQX558E			<i>channel-name</i>	
565	CSQX565E			<i>channel-name</i>	<i>qmgr-name</i>
569	CSQX569E			<i>channel-name</i>	
570	CSQX570E			<i>channel-name</i>	
572	CSQX572E			<i>channel-name</i>	
573	CSQX573E			<i>channel-name</i>	
574	CSQX574I			<i>channel-name</i>	
575	CSQX575E				
999	CSQX599E			<i>channel-name</i>	

Appendix F. Messages from other products

The following table shows the message prefixes for other products that you might receive while using MQSeries for OS/390.

Prefix	Component	Procedure
AMQ	MQSeries	Consult <i>MQSeries Messages</i>
ATB	APPC	Consult <i>MVS System Messages</i>
ATR	Resource recovery services	Consult <i>MVS System Messages</i>
CBC	C/C++	Consult <i>C/MVS User's Guide</i>
CEE	Language Environment	Consult <i>Language Environment for OS/390 Debugging Guide and Runtime Messages</i>
CSQ	MQSeries for OS/390	Consult this book
CSV	Contents supervision	Consult <i>MVS System Messages</i>
DFH	CICS	Consult <i>CICS Messages and Codes</i>
DFS	IMS	Consult <i>IMS Messages and Codes</i>
DSN	DB2	Consult <i>DB2 Messages and Codes</i>
EDC	Language Environment	Consult <i>Language Environment for OS/390 Debugging Guide and Runtime Messages</i>
EZA, EZB, EZY	TCP/IP	Consult <i>TCP/IP for MVS Messages and Codes</i>
IBM	Language Environment	Consult <i>Language Environment for OS/390 Debugging Guide and Runtime Messages</i>
ICH	RACF	Consult <i>RACF Messages and Codes</i>
IDC	Access method services	Consult <i>MVS System Messages</i>
IEA	OS/390 system services	Consult <i>MVS System Messages</i>
IEC	Data management services	Consult <i>MVS System Messages</i>
IEE,IEF	OS/390 system services	Consult <i>MVS System Messages</i>
IKJ	TSO	Consult <i>MVS System Messages</i>
IST	VTAM	Consult <i>VTAM Messages and Codes</i>

Prefix	Component	Procedure
IWM	OS/390 workload management services	Consult <i>MVS System Messages</i>
IXC	Cross-system coupling facility	Consult <i>MVS System Messages</i>

Messages from other products

Appendix G. Notices

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Programming interface information

This book is intended to help you diagnose problems with MQSeries for OS/390. This book documents information which is Diagnosis, Modification, or Tuning information provided by MQSeries for OS/390.

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Glossary of terms and abbreviations

This glossary defines MQSeries terms and abbreviations used in this book. If you do not find the term you are looking for, see the Index or the *IBM Dictionary of Computing*, New York: McGraw-Hill, 1994.

This glossary includes terms and definitions from the *American National Dictionary for Information Systems*, ANSI X3.172-1990, copyright 1990 by the American National Standards Institute (ANSI). Copies may be purchased from the American National Standards Institute, 11 West 42 Street, New York, New York 10036. Definitions are identified by the symbol (A) after the definition.

A

abend reason code. A 4-byte hexadecimal code that uniquely identifies a problem with MQSeries for OS/390. A complete list of MQSeries for OS/390 abend reason codes and their explanations is contained in the *MQSeries for OS/390 Messages and Codes* manual.

active log. See *recovery log*.

adapter. An interface between MQSeries for OS/390 and TSO, IMS, CICS, or batch address spaces. An adapter is an attachment facility that enables applications to access MQSeries services.

address space. The area of virtual storage available for a particular job.

address space identifier (ASID). A unique, system-assigned identifier for an address space.

administrator commands. MQSeries commands used to manage MQSeries objects, such as queues, processes, and namelists.

alert. A message sent to a management services focal point in a network to identify a problem or an impending problem.

alert monitor. In MQSeries for OS/390, a component of the CICS adapter that handles unscheduled events occurring as a result of connection requests to MQSeries for OS/390.

alias queue object. An MQSeries object, the name of which is an alias for a base queue defined to the local queue manager. When an application or a queue manager uses an alias queue, the alias name is resolved and the requested operation is performed on the associated base queue.

allied address space. See *ally*.

ally. An OS/390 address space that is connected to MQSeries for OS/390.

alternate user security. A security feature in which the authority of one user ID can be used by another user ID; for example, to open an MQSeries object.

APAR. Authorized program analysis report.

application environment. The software facilities that are accessible by an application program. On the OS/390 platform, CICS and IMS are examples of application environments.

application queue. A queue used by an application.

archive log. See *recovery log*.

ARM. Automatic Restart Management

ASID. Address space identifier.

asynchronous messaging. A method of communication between programs in which programs place messages on message queues. With asynchronous messaging, the sending program proceeds with its own processing without waiting for a reply to its message. Contrast with *synchronous messaging*.

attribute. One of a set of properties that defines the characteristics of an MQSeries object.

authorization checks. Security checks that are performed when a user tries to issue administration commands against an object, for example to open a queue or connect to a queue manager.

authorized program analysis report (APAR). A report of a problem caused by a suspected defect in a current, unaltered release of a program.

Automatic Restart Management (ARM). An OS/390 recovery function that can improve the availability of specific batch jobs or started tasks, and therefore result in faster resumption of productive work.

B

backout. An operation that reverses all the changes made during the current unit of recovery or unit of work. After the operation is complete, a new unit of recovery or unit of work begins. Contrast with *commit*.

basic mapping support (BMS). An interface between CICS and application programs that formats input and output display data and routes multiple-page output messages without regard for control characters used by various terminals.

BMS. Basic mapping support.

bootstrap data set (BSDS) • context security

bootstrap data set (BSDS). A VSAM data set that contains:

- An inventory of all active and archived log data sets known to MQSeries for OS/390
- A wrap-around inventory of all recent MQSeries for OS/390 activity

The BSDS is required if the MQSeries for OS/390 subsystem has to be restarted.

browse. In message queuing, to use the MQGET call to copy a message without removing it from the queue. See also *get*.

browse cursor. In message queuing, an indicator used when browsing a queue to identify the message that is next in sequence.

BSDS. Bootstrap data set.

buffer pool. An area of main storage used for MQSeries for OS/390 queues, messages, and object definitions. See also *page set*.

C

call back. In MQSeries, a requester message channel initiates a transfer from a sender channel by first calling the sender, then closing down and awaiting a call back.

CCF. Channel control function.

CCSID. Coded character set identifier.

CDF. Channel definition file.

channel. See *message channel*.

channel control function (CCF). In MQSeries, a program to move messages from a transmission queue to a communication link, and from a communication link to a local queue, together with an operator panel interface to allow the setup and control of channels.

channel definition file (CDF). In MQSeries, a file containing communication channel definitions that associate transmission queues with communication links.

channel event. An event indicating that a channel instance has become available or unavailable. Channel events are generated on the queue managers at both ends of the channel.

checkpoint. A time when significant information is written on the log. Contrast with *syncpoint*.

CI. Control interval.

CL. Control Language.

client. A run-time component that provides access to queuing services on a server for local user applications. The

queues used by the applications reside on the server. See also *MQSeries client*.

client application. An application, running on a workstation and linked to a client, that gives the application access to queuing services on a server.

client connection channel type. The type of MQI channel definition associated with an MQSeries client. See also *server connection channel type*.

cluster queue. A queue that is hosted by a cluster queue manager and made available to other queue managers in the cluster.

cluster queue manager. A queue manager that is a member of a cluster. A queue manager may be a member of more than one cluster.

coded character set identifier (CCSID). The name of a coded set of characters and their code point assignments.

command. In MQSeries, an administration instruction that can be carried out by the queue manager.

command prefix (CPF). In MQSeries for OS/390, a character string that identifies the queue manager to which MQSeries for OS/390 commands are directed, and from which MQSeries for OS/390 operator messages are received.

command processor. The MQSeries component that processes commands.

command server. The MQSeries component that reads commands from the system-command input queue, verifies them, and passes valid commands to the command processor.

commit. An operation that applies all the changes made during the current unit of recovery or unit of work. After the operation is complete, a new unit of recovery or unit of work begins. Contrast with *backout*.

completion code. A return code indicating how an MQI call has ended.

connect. To provide a queue manager connection handle, which an application uses on subsequent MQI calls. The connection is made either by the MQCONN call, or automatically by the MQOPEN call.

connection handle. The identifier or token by which a program accesses the queue manager to which it is connected.

context. Information about the origin of a message.

context security. In MQSeries, a method of allowing security to be handled such that messages are obliged to carry details of their origins in the message descriptor.

control interval (CI). A fixed-length area of direct access storage in which VSAM stores records and creates distributed free spaces. The control interval is the unit of information that VSAM transmits to or from direct access storage.

controlled shutdown. See *quiesced shutdown*.

CPF. Command prefix.

Cross Systems Coupling Facility (XCF). Provides the OS/390 coupling services that allow authorized programs in a multisystem environment to communicate with programs on the same or different OS/390 systems.

D

datagram. The simplest message that MQSeries supports. This type of message does not require a reply.

DCI. Data conversion interface.

dead-letter queue (DLQ). A queue to which a queue manager or application sends messages that it cannot deliver to their correct destination.

default object. A definition of an object (for example, a queue) with all attributes defined. If a user defines an object but does not specify all possible attributes for that object, the queue manager uses default attributes in place of any that were not specified.

deferred connection. A pending event that is activated when a CICS subsystem tries to connect to MQSeries for OS/390 before MQSeries for OS/390 has been started.

distributed application. In message queuing, a set of application programs that can each be connected to a different queue manager, but that collectively constitute a single application.

distributed queue management (DQM). In message queuing, the setup and control of message channels to queue managers on other systems.

DLQ. Dead-letter queue.

DQM. Distributed queue management.

dual logging. A method of recording MQSeries for OS/390 activity, where each change is recorded on two data sets, so that if a restart is necessary and one data set is unreadable, the other can be used. Contrast with *single logging*.

dual mode. See *dual logging*.

dynamic queue. A local queue created when a program opens a model queue object. See also *permanent dynamic queue* and *temporary dynamic queue*.

E

environment. See *application environment*.

ESM. External security manager.

event. See *channel event*, *instrumentation event*, *performance event*, and *queue manager event*.

event data. In an event message, the part of the message data that contains information about the event (such as the queue manager name, and the application that gave rise to the event). See also *event header*.

event header. In an event message, the part of the message data that identifies the event type of the reason code for the event.

event message. Contains information (such as the category of event, the name of the application that caused the event, and queue manager statistics) relating to the origin of an instrumentation event in a network of MQSeries systems.

event queue. The queue onto which the queue manager puts an event message after it detects an event. Each category of event (queue manager, performance, or channel event) has its own event queue.

external security manager (ESM). A security product that is invoked by the OS/390 System Authorization Facility. RACF is an example of an ESM.

F

FIFO. First-in-first-out.

first-in-first-out (FIFO). A queuing technique in which the next item to be retrieved is the item that has been in the queue for the longest time. (A)

forced shutdown. A type of shutdown of the CICS adapter where the adapter immediately disconnects from MQSeries for OS/390, regardless of the state of any currently active tasks. Contrast with *quiesced shutdown*.

G

GCPC. Generalized command preprocessor.

generalized command preprocessor (GCPC). An MQSeries for OS/390 component that processes MQSeries commands and runs them.

Generalized Trace Facility (GTF). An OS/390 service program that records significant system events, such as supervisor calls and start I/O operations, for the purpose of problem determination.

get. In message queuing, to use the MQGET call to remove a message from a queue. See also *browse*.

global trace. An MQSeries for OS/390 trace option where the trace data comes from the entire MQSeries for OS/390 subsystem.

GTF. Generalized Trace Facility.

H

handle. See *connection handle* and *object handle*.

hardened message. A message that is written to auxiliary (disk) storage so that the message will not be lost in the event of a system failure. See also *persistent message*.

I

immediate shutdown. In MQSeries, a shutdown of a queue manager that does not wait for applications to disconnect. Current MQI calls are allowed to complete, but new MQI calls fail after an immediate shutdown has been requested. Contrast with *quiesced shutdown* and *preemptive shutdown*.

in-doubt unit of recovery. In MQSeries, the status of a unit of recovery for which a syncpoint has been requested but not yet confirmed.

initialization input data sets. Data sets used by MQSeries for OS/390 when it starts up.

initiation queue. A local queue on which the queue manager puts trigger messages.

input/output parameter. A parameter of an MQI call in which you supply information when you make the call, and in which the queue manager changes the information when the call completes or fails.

input parameter. A parameter of an MQI call in which you supply information when you make the call.

instrumentation event. A facility that can be used to monitor the operation of queue managers in a network of MQSeries systems. MQSeries provides instrumentation events for monitoring queue manager resource definitions, performance conditions, and channel conditions. Instrumentation events can be used by a user-written reporting mechanism in an administration application that displays the events to a system operator. They also allow applications acting as agents for other administration networks to monitor reports and create the appropriate alerts.

Interactive Problem Control System (IPCS). A component of OS/390 that permits online problem management, interactive problem diagnosis, online debugging for disk-resident abend dumps, problem tracking, and problem reporting.

Interactive System Productivity Facility (ISPF). An IBM licensed program that serves as a full-screen editor and

dialog manager. It is used for writing application programs, and provides a means of generating standard screen panels and interactive dialogues between the application programmer and terminal user.

IPCS. Interactive Problem Control System.

ISPF. Interactive System Productivity Facility.

L

listener. In MQSeries distributed queuing, a program that monitors for incoming network connections.

local definition. An MQSeries object belonging to a local queue manager.

local definition of a remote queue. An MQSeries object belonging to a local queue manager. This object defines the attributes of a queue that is owned by another queue manager. In addition, it is used for queue-manager aliasing and reply-to-queue aliasing.

local queue. A queue that belongs to the local queue manager. A local queue can contain a list of messages waiting to be processed. Contrast with *remote queue*.

local queue manager. The queue manager to which a program is connected and that provides message queuing services to the program. Queue managers to which a program is not connected are called *remote queue managers*, even if they are running on the same system as the program.

log. In MQSeries, a file recording the work done by queue managers while they receive, transmit, and deliver messages, to enable them to recover in the event of failure.

logical unit of work (LUW). See *unit of work*.

M

machine check interrupt. An interruption that occurs as a result of an equipment malfunction or error. A machine check interrupt can be either hardware recoverable, software recoverable, or nonrecoverable.

MCA. Message channel agent.

MCI. Message channel interface.

message. (1) In message queuing applications, a communication sent between programs. See also *persistent message* and *nonpersistent message*. (2) In system programming, information intended for the terminal operator or system administrator.

message channel. In distributed message queuing, a mechanism for moving messages from one queue manager to another. A message channel comprises two message channel agents (a sender at one end and a receiver at the

other end) and a communication link. Contrast with *MQI channel*.

message channel agent (MCA). A program that transmits prepared messages from a transmission queue to a communication link, or from a communication link to a destination queue. See also *message queue interface*.

message channel interface (MCI). The MQSeries interface to which customer- or vendor-written programs that transmit messages between an MQSeries queue manager and another messaging system must conform. A part of the MQSeries Framework.

message descriptor. Control information describing the message format and presentation that is carried as part of an MQSeries message. The format of the message descriptor is defined by the MQMD structure.

message priority. In MQSeries, an attribute of a message that can affect the order in which messages on a queue are retrieved, and whether a trigger event is generated.

message queue. Synonym for *queue*.

message queue interface (MQI). The programming interface provided by the MQSeries queue managers. This programming interface allows application programs to access message queuing services.

message queuing. A programming technique in which each program within an application communicates with the other programs by putting messages on queues.

message sequence numbering. A programming technique in which messages are given unique numbers during transmission over a communication link. This enables the receiving process to check whether all messages are received, to place them in a queue in the original order, and to discard duplicate messages.

messaging. See *synchronous messaging* and *asynchronous messaging*.

model queue object. A set of queue attributes that act as a template when a program creates a dynamic queue.

MQI. Message queue interface.

MQI channel. Connects an MQSeries client to a queue manager on a server system, and transfers only MQI calls and responses in a bidirectional manner. Contrast with *message channel*.

MQSC. MQSeries commands.

MQSeries. A family of IBM licensed programs that provides message queuing services.

N

namelist. An MQSeries object that contains a list of names, for example, queue names.

nonpersistent message. A message that does not survive a restart of the queue manager. Contrast with *persistent message*.

null character. The character that is represented by X'00'.

O

object. In MQSeries, an object is a queue manager, a queue, a process definition, a channel, a namelist, or a storage class (OS/390 only).

object descriptor. A data structure that identifies a particular MQSeries object. Included in the descriptor are the name of the object and the object type.

object handle. The identifier or token by which a program accesses the MQSeries object with which it is working.

off-loading. In MQSeries for OS/390, an automatic process whereby a queue manager's active log is transferred to its archive log.

Open Transaction Manager Access (OTMA). A transaction-based, connectionless client/server protocol. It functions as an interface for host-based communications servers accessing IMS TM applications through the OS/390 Cross Systems Coupling Facility (XCF). OTMA is implemented in an OS/390 sysplex environment. Therefore, the domain of OTMA is restricted to the domain of XCF.

OTMA. Open Transaction Manager Access.

output log-buffer. In MQSeries for OS/390, a buffer that holds recovery log records before they are written to the archive log.

output parameter. A parameter of an MQI call in which the queue manager returns information when the call completes or fails.

P

page set. A VSAM data set used when MQSeries for OS/390 moves data (for example, queues and messages) from buffers in main storage to permanent backing storage (DASD).

pending event. An unscheduled event that occurs as a result of a connect request from a CICS adapter.

percolation. In error recovery, the passing along a preestablished path of control from a recovery routine to a higher-level recovery routine.

performance event • reply message

performance event. A category of event indicating that a limit condition has occurred.

performance trace. An MQSeries trace option where the trace data is to be used for performance analysis and tuning.

permanent dynamic queue. A dynamic queue that is deleted when it is closed only if deletion is explicitly requested. Permanent dynamic queues are recovered if the queue manager fails, so they can contain persistent messages. Contrast with *temporary dynamic queue*.

persistent message. A message that survives a restart of the queue manager. Contrast with *nonpersistent message*.

ping. In distributed queuing, a diagnostic aid that uses the exchange of a test message to confirm that a message channel or a TCP/IP connection is functioning.

platform. In MQSeries, the operating system under which a queue manager is running.

point of recovery. In MQSeries for OS/390, the term used to describe a set of backup copies of MQSeries for OS/390 page sets and the corresponding log data sets required to recover these page sets. These backup copies provide a potential restart point in the event of page set loss (for example, page set I/O error).

preemptive shutdown. In MQSeries, a shutdown of a queue manager that does not wait for connected applications to disconnect, nor for current MQI calls to complete. Contrast with *immediate shutdown* and *quiesced shutdown*.

process definition object. An MQSeries object that contains the definition of an MQSeries application. For example, a queue manager uses the definition when it works with trigger messages.

Q

queue. An MQSeries object. Message queuing applications can put messages on, and get messages from, a queue. A queue is owned and maintained by a queue manager. Local queues can contain a list of messages waiting to be processed. Queues of other types cannot contain messages—they point to other queues, or can be used as models for dynamic queues.

queue manager. (1) A system program that provides queuing services to applications. It provides an application programming interface so that programs can access messages on the queues that the queue manager owns. See also *local queue manager* and *remote queue manager*. (2) An MQSeries object that defines the attributes of a particular queue manager.

queue manager event. An event that indicates:

- An error condition has occurred in relation to the resources used by a queue manager. For example, a queue is unavailable.

- A significant change has occurred in the queue manager. For example, a queue manager has stopped or started.

queuing. See *message queuing*.

quiesced shutdown. (1) In MQSeries, a shutdown of a queue manager that allows all connected applications to disconnect. Contrast with *immediate shutdown* and *preemptive shutdown*. (2) A type of shutdown of the CICS adapter where the adapter disconnects from MQSeries, but only after all the currently active tasks have been completed. Contrast with *forced shutdown*.

quiescing. In MQSeries, the state of a queue manager prior to it being stopped. In this state, programs are allowed to finish processing, but no new programs are allowed to start.

R

RBA. Relative byte address.

reason code. A return code that describes the reason for the failure or partial success of an MQI call.

receiver channel. In message queuing, a channel that responds to a sender channel, takes messages from a communication link, and puts them on a local queue.

recovery log. In MQSeries for OS/390, data sets containing information needed to recover messages, queues, and the MQSeries subsystem. MQSeries for OS/390 writes each record to a data set called the *active log*. When the active log is full, its contents are off-loaded to a DASD or tape data set called the *archive log*. Synonymous with *log*.

relative byte address (RBA). The displacement in bytes of a stored record or control interval from the beginning of the storage space allocated to the data set to which it belongs.

remote queue. A queue belonging to a remote queue manager. Programs can put messages on remote queues, but they cannot get messages from remote queues. Contrast with *local queue*.

remote queue manager. To a program, a queue manager that is not the one to which the program is connected.

remote queue object. See *local definition of a remote queue*.

remote queuing. In message queuing, the provision of services to enable applications to put messages on queues belonging to other queue managers.

reply message. A type of message used for replies to request messages. Contrast with *request message* and *report message*.

reply-to queue. The name of a queue to which the program that issued an MQPUT call wants a reply message or report message sent.

report message. A type of message that gives information about another message. A report message can indicate that a message has been delivered, has arrived at its destination, has expired, or could not be processed for some reason. Contrast with *reply message* and *request message*.

requester channel. In message queuing, a channel that may be started remotely by a sender channel. The requester channel accepts messages from the sender channel over a communication link and puts the messages on the local queue designated in the message. See also *server channel*.

request message. A type of message used to request a reply from another program. Contrast with *reply message* and *report message*.

RESLEVEL. In MQSeries for OS/390, an option that controls the number of CICS user IDs checked for API-resource security in MQSeries for OS/390.

resolution path. The set of queues that are opened when an application specifies an alias or a remote queue on input to an MQOPEN call.

resource. Any facility of the computing system or operating system required by a job or task. In MQSeries for OS/390, examples of resources are buffer pools, page sets, log data sets, queues, and messages.

resource manager. An application, program, or transaction that manages and controls access to shared resources such as memory buffers and data sets. MQSeries, CICS, and IMS are resource managers.

Resource Recovery Services (RRS). An OS/390 facility that provides 2-phase syncpoint support across participating resource managers.

responder. In distributed queuing, a program that replies to network connection requests from another system.

resynch. In MQSeries, an option to direct a channel to start up and resolve any in-doubt status messages, but without restarting message transfer.

return codes. The collective name for completion codes and reason codes.

rollback. Synonym for *back out*.

RRS. Resource Recovery Services.

S

SAF. System Authorization Facility.

security enabling interface (SEI). The MQSeries interface to which customer- or vendor-written programs that check authorization, supply a user identifier, or perform authentication must conform. A part of the MQSeries Framework.

SEI. Security enabling interface.

sender channel. In message queuing, a channel that initiates transfers, removes messages from a transmission queue, and moves them over a communication link to a receiver or requester channel.

sequential delivery. In MQSeries, a method of transmitting messages with a sequence number so that the receiving channel can reestablish the message sequence when storing the messages. This is required where messages must be delivered only once, and in the correct order.

sequential number wrap value. In MQSeries, a method of ensuring that both ends of a communication link reset their current message sequence numbers at the same time. Transmitting messages with a sequence number ensures that the receiving channel can reestablish the message sequence when storing the messages.

server. (1) In MQSeries, a queue manager that provides queue services to client applications running on a remote workstation. (2) The program that responds to requests for information in the particular two-program, information-flow model of client/server. See also *client*.

server channel. In message queuing, a channel that responds to a requester channel, removes messages from a transmission queue, and moves them over a communication link to the requester channel.

server connection channel type. The type of MQI channel definition associated with the server that runs a queue manager. See also *client connection channel type*.

service interval. A time interval, against which the elapsed time between a put or a get and a subsequent get is compared by the queue manager in deciding whether the conditions for a service interval event have been met. The service interval for a queue is specified by a queue attribute.

service interval event. An event related to the service interval.

session ID. In MQSeries for OS/390, the CICS-unique identifier that defines the communication link to be used by a message channel agent when moving messages from a transmission queue to a link.

shutdown. See *immediate shutdown*, *preemptive shutdown*, and *quiesced shutdown*.

signaling • transmission program

signaling. In MQSeries for OS/390 and MQSeries for Windows 2.1, a feature that allows the operating system to notify a program when an expected message arrives on a queue.

single logging. A method of recording MQSeries for OS/390 activity where each change is recorded on one data set only. Contrast with *dual logging*.

single-phase backout. A method in which an action in progress must not be allowed to finish, and all changes that are part of that action must be undone.

single-phase commit. A method in which a program can commit updates to a queue without coordinating those updates with updates the program has made to resources controlled by another resource manager. Contrast with *two-phase commit*.

SIT. System initialization table.

storage class. In MQSeries for OS/390, a storage class defines the page set that is to hold the messages for a particular queue. The storage class is specified when the queue is defined.

store and forward. The temporary storing of packets, messages, or frames in a data network before they are retransmitted toward their destination.

subsystem. In OS/390, a group of modules that provides function that is dependent on OS/390. For example, MQSeries for OS/390 is an OS/390 subsystem.

supervisor call (SVC). An OS/390 instruction that interrupts a running program and passes control to the supervisor so that it can perform the specific service indicated by the instruction.

SVC. Supervisor call.

switch profile. In MQSeries for OS/390, a RACF profile used when MQSeries starts up or when a refresh security command is issued. Each switch profile that MQSeries detects turns off checking for the specified resource.

synchronous messaging. A method of communication between programs in which programs place messages on message queues. With synchronous messaging, the sending program waits for a reply to its message before resuming its own processing. Contrast with *asynchronous messaging*.

syncpoint. An intermediate or end point during processing of a transaction at which the transaction's protected resources are consistent. At a syncpoint, changes to the resources can safely be committed, or they can be backed out to the previous syncpoint.

sysplex. A multiple OS/390-system environment that allows multiple-console support (MCS) consoles to receive console messages and send operator commands across systems.

System Authorization Facility (SAF). An OS/390 facility through which MQSeries for OS/390 communicates with an external security manager such as RACF.

system.command.input queue. A local queue on which application programs can put MQSeries commands. The commands are retrieved from the queue by the command server, which validates them and passes them to the command processor to be run.

system control commands. Commands used to manipulate platform-specific entities such as buffer pools, storage classes, and page sets.

system initialization table (SIT). A table containing parameters used by CICS on start up.

T

task control block (TCB). An OS/390 control block used to communicate information about tasks within an address space that are connected to an OS/390 subsystem such as MQSeries for OS/390 or CICS.

task switching. The overlapping of I/O operations and processing between several tasks. In MQSeries for OS/390, the task switcher optimizes performance by allowing some MQI calls to be executed under subtasks rather than under the main CICS TCB.

TCB. Task control block.

temporary dynamic queue. A dynamic queue that is deleted when it is closed. Temporary dynamic queues are not recovered if the queue manager fails, so they can contain nonpersistent messages only. Contrast with *permanent dynamic queue*.

termination notification. A pending event that is activated when a CICS subsystem successfully connects to MQSeries for OS/390.

thread. In MQSeries, the lowest level of parallel execution available on an operating system platform.

time-independent messaging. See *asynchronous messaging*.

TMI. Trigger monitor interface.

trace. In MQSeries, a facility for recording MQSeries activity. The destinations for trace entries can include GTF and the system management facility (SMF). See also *global trace* and *performance trace*.

tranid. See *transaction identifier*.

transaction identifier. In CICS, a name that is specified when the transaction is defined, and that is used to invoke the transaction.

transmission program. See *message channel agent*.

transmission queue. A local queue on which prepared messages destined for a remote queue manager are temporarily stored.

trigger event. An event (such as a message arriving on a queue) that causes a queue manager to create a trigger message on an initiation queue.

triggering. In MQSeries, a facility allowing a queue manager to start an application automatically when predetermined conditions on a queue are satisfied.

trigger message. A message containing information about the program that a trigger monitor is to start.

trigger monitor. A continuously-running application serving one or more initiation queues. When a trigger message arrives on an initiation queue, the trigger monitor retrieves the message. It uses the information in the trigger message to start a process that serves the queue on which a trigger event occurred.

trigger monitor interface (TMI). The MQSeries interface to which customer- or vendor-written trigger monitor programs must conform. A part of the MQSeries Framework.

two-phase commit. A protocol for the coordination of changes to recoverable resources when more than one resource manager is used by a single transaction. Contrast with *single-phase commit*.

U

undo/redo record. A log record used in recovery. The redo part of the record describes a change to be made to an MQSeries object. The undo part describes how to back out the change if the work is not committed.

unit of recovery. A recoverable sequence of operations within a single resource manager. Contrast with *unit of work*.

unit of work. A recoverable sequence of operations performed by an application between two points of consistency. A unit of work begins when a transaction starts or after a user-requested syncpoint. It ends either at a user-requested syncpoint or at the end of a transaction. Contrast with *unit of recovery*.

utility. In MQSeries, a supplied set of programs that provide the system operator or system administrator with facilities in addition to those provided by the MQSeries commands. Some utilities invoke more than one function.

X

XCF. Cross Systems Coupling Facility.

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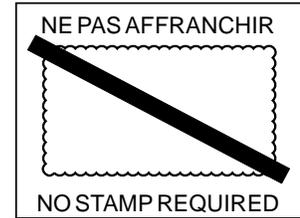
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